

TEXAS  
WATER  
DEVELOPMENT  
BOARD

*Buttrick*



Report 157

A SURVEY OF THE  
SUBSURFACE SALINE WATER  
OF TEXAS

VOLUME 4  
GEOLOGIC WELL DATA  
WEST TEXAS

September 1972

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**TEXAS WATER DEVELOPMENT BOARD**

**REPORT 157**

**A SURVEY OF THE  
SUBSURFACE SALINE WATER  
OF TEXAS**

**VOLUME 4  
GEOLOGIC WELL DATA  
WEST TEXAS**

By

**CORE LABORATORIES, INC.  
Consulting & Engineering Department  
Dallas, Texas**

Prepared under contract for the  
Texas Water Development Board

September 1972

## TEXAS WATER DEVELOPMENT BOARD

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## ABBREVIATIONS

Discussion of the data and their use may be found in Volume 1. The following abbreviations are used on the data sheets:

<u>ABBREVIATION</u>	<u>MEANING</u>	<u>ABBREVIATION</u>	<u>MEANING</u>
ABV	Above (top of formation occurs above log)	LOG	Log (end of logged interval)
ANH, ANH	Anhydrite	LS	Limestone
BSLT	Basalt	MISS	Mississippian
CF-WICH	Clear Fork-Wichita	MRL	Marl
CHK	Chalk	MTN	Mountain
CHT	Chert	ORDOV	Ordovician
DOL, DOLO	Dolomite	PENN	Pennsylvanian
DTR	Detrital	RGN	Range
ELLEN	Ellenburger	RPT	Reported
EQV, EQUIV	Equivalent	SEC	Section
ERD	Eroded	SD	Sand, sandstone
EST	Estimate	SDY	Sandy
ETD	Estimated total depth	SH	Shale
FLT	Fault, faulted	SHY	Shaly
FM	Formation	SLT	Salt
FNWL, FNEL, etc.	From northwest line, From northeast line, etc., referring to distance in feet from survey lines	SUR	Surface (formation begins at surface); also, Survey
GP	Group	TD	Total depth
GRT	Granite	TNSP	Township
GRW	Granite wash	TRC	Truncation
ID NO.	Identification number	TRIAS	Triassic
IGN	Igneous rocks	U	Upper
L	Lower	UNC	Unconformity
		UND, UNDIFF	Undifferentiated

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11C21      ELEVATION : 3379      TOTAL DEPTH : 11933  
 OPERATOR : FOREST OIL CORP.      WELL : NO.1 LINEBERRY  
 LOCATION : 660 FSL, 1980 FWL      SEC: 7      TNSP : A-26      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	180	3199	1730	1649	242	1550	SH, SD	EST
SANTA ROSA	1420	1959	1640	1739	102	220	SD, SH	
RUSTLER	1850	1529	2992	387	----	1142	ANHY	
YATES	2992	387	3180	199	----	188	SD, SH	
WHITEHORSE GROUP	2992	387	4590	- 1211	----	1598	LS, ANHY, SD	
SAN ANDRES	4590	- 1211	6010	- 2631	----	1420	LS, DOL	
LEONARD (CF - WICH.)	6010	- 2631	7430	- 4051	----	1420	DOL, SH	
WOLFCAMP	7430	- 4051	8620	- 5241	430	1190	SH, LS, DTR	EST
PENNSYLVANIAN	8620	- 5241	8805	- 5426	210	185	LS, SH	
MISSISSIPPIAN	8805	- 5426	9240	- 5861	435	435	LS	
WOODFORD	9240	- 5861	9365	- 5986	----	125	SH	
DEVONIAN	9365	- 5986	10621	- 7242	1256	1256	LS	
FUSSELMAN	10621	- 7242	10907	- 7528	286	286	LS	
MONTOYA	10907	- 7528	11220	- 7841	313	313	LS	
SIMPSON	11220	- 7841	11810	- 8431	----	590	SH, SD, LS	
ELLENBURGER	11810	- 8431	11933	- 8554	123+		DOL	TD

REMARKS  
 LEONARD AND WOLFCAMP TOPS ARE QUESTIONABLE. GOOD POROSITY IN THE  
 SAN ANDRES

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11C26      ELEVATION : 3169      TOTAL DEPTH : 13900  
 OPERATOR : CABOI CORP.      WELL : NO.12 NOLLEY  
 LOCATION : 467 FNL, 467 F#L      SEC:      TNSP :      RNG :      SUR : LBR 8 LGE 314

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	447	2722	2010	1159	182	1563	SH, SD	EST
SANTA ROSA	1625	1544	1860	1309	92	235	SD, SH	
RUSTLER	2250	919	3413	- 244	----	1103	ANHY	
YATES	3413	- 244	3597	- 428	----	184	SD, SH	
WHITEHORSE GROUP	3413	- 244	4854	- 1685	----	1441	LS, ANHY, SD	
SAN ANDRES	4854	- 1685	6300	- 3131	----	1446	LS, DOL	
LEONARD (CF EQV)	6360	- 3191	8540	- 5371	----	2180	DOL, SH	
WOLFCAMP DETRITAL	8540	- 5371	8980	- 5811	----	440	DTR	EST
WOLFCAMP LS	8980	- 5811	10420	- 7251	1120	1440	LS, DTR	EST
PENNSYLVANIAN	10420	- 7251	11222	- 8053	480	802	LS, SH	EST
MISSISSIPPIAN	11222	- 8053	12168	- 8999	650	946	LS, SH	
UPPER MISS. (CHESTER)	11222	- 8053	11662	- 8493	----	440	LS, SH	
LOWER MISS. LS	11662	- 8493	12168	- 8999	----	506	LS	
WOODFORD	12168	- 8999	12233	- 9064	----	65	SH	
DEVONIAN	12233	- 9064	13128	- 9959	895	895	LS, CHT	
FUSSELMAN	13128	- 9959	13350	-10181	222	222	LS	ERD
MONTOYA	13350	-10181	13560	-10391	210	210	LS	
SIMPSON	13560	-10391	13830	-10661	----	270	SH, SD	
ELLENBURGER	13830	-10661	13900	-10731	70+		DOL	TD

REMARKS  
 WOLFCAMP AND PENN. TOPS ARE QUESTIONABLE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D2      ELEVATION : 3283      TOTAL DEPTH : 7150  
 OPERATOR : TEXAS PACIFIC      WELL : NO.13 DRACHENBERG  
 LOCATION : 880 FSL, 1980 FWL      SEC: 12      TNSP : A-47      RNG :      SUR : PSL

FORMATION	DEPTH	TOP	BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	170	3113	1560	1723	235	1390	SH, SD	EST
SANTA ROSA	1240	2043	1468	1815	105	228	SD, SH	
RUSTLER	1680	1603	2933	350	----	1253	ANHY	
YATES	2933	350	3130	153	----	197	SD, SH	
WHITEHORSE GROUP	2933	350	4520	- 1237	----	1587	LS, ANHY, SD	
SAN ANDRES	4520	- 1237	5954	- 2671	----	1434	LS, DOL	
GLORIETA	5954	- 2671	6111	- 2828	----	157	DOL, SD	
LEONARD (CF - WICH.)D	6111	- 2828	7150	- 3867	----		OL, SH	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 1104      ELEVATION : 3317      TOTAL DEPTH : 8510  
 OPERATOR : HODGE ET AL      WELL : NO.2 UNIVERSITY SO. MINERALS  
 LOCATION : 1980 FNL, 1860 FWL      SEC: 14      TNSP : 0011      RNG :      SUR : UNIV. LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	178	3139	1400	1917	202	1222	SH, SD	EST
SANTA ROSA	1067	2250	1292	2025	112	225	SD, SH	
RUSTLER	1488	1829	2747	570	----	1259	ANHY	
YATES	2747	570	2945	372	----	198	SD, SH	
WHITEHORSE GROUP	2747	570	4353	- 1036	----	1606	LS, ANHY, SD	
SAN ANDRES	4353	- 1036	5600	- 2283	----	1247	LS, DOL	
GLORIETA	5600	- 2283	5762	- 2445	----	162	SD, DOL	
LEONARD (CF - WICH)	5762	- 2445	7418	- 4101	----	1656	DOL, SH	
TUBB	6170	- 2853	6248	- 2931	----	78	DOL, SD	
WICHITA	6690	- 3373	7418	- 4101	----	728	DOL, SH	
WOLFCAMP	7418	- 4101	7962	- 4645	380	544	LS, DTR, SH	EST
PENN. - FUSSELMAN	7962	- 4645	7962	- 4645	----	0		UNC
MONTOYA	7962	- 4645	8145	- 4828	183	183	LS	
SIMPSON	8145	- 4828	8510	- 5193	----		SD, SH, LS	TD
ELLENBURGER	8819	- 5502	8820	- 5503	0+	1		EST

REMARKS  
 SIMPSON THICKNESS EST. 674 FT.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D7      ELEVATION : 3026      TOTAL DEPTH : 4940  
 OPERATOR : STD. OF TEXAS      WELL : NO.13-1 UNIVERSITY  
 LOCATION : 660 FSL, 1980 FEL      SEC: 13      TNSP : 0008      RNG :      SUR : UNIVERSITY LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	293	2733	1855	1171	215	1562	SH, SD	EST
SANTA ROSA	1512	1514	1714	1312	105	202	SD, SH	
RUSTLER	2140	886	3189	- 163	-----	1049	ANHY	
YATES	3189	- 163	3436	- 410	-----	247	SD, SH	
WHITEHORSE GROUP	3189	- 163	4940	- 1914	-----		LS, ANHY, SD	TD
SAN ANDRES	4950	- 1924	4951	- 1925	-----	1		EST

REMARKS  
 WHITEHORSE GROUP ESTIMATED TO BE 1761 FT THICK

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D10      ELEVATION : 2903      TOTAL DEPTH : 13684  
 OPERATOR : L.R. FRENCH, JR.      WELL : NO. 2 FASKEN  
 LOCATION : 1780 FSL, 2116 FWL      SEC:      TNSP : 0040      RNG : T      SUR : +P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	355	2548	1682	1221	170	1327	SH, SD	EST
SANTA ROSA	1287	1616	1521	1382	85	234	SD, SH	
RUSTLER	1920	983	3043	- 140	----	1123	ANHY	
YATES	3043	- 140	3260	- 357	----	217	SD, SH	
WHITEHORSE GROUP	3043	- 140	4950	- 2047	----	1907	LS, ANHY, SH	
SAN ANDRES	4950	- 2047	6900	- 3997	----	1950	LS, DOL, SH	
GLORIETA	6900	- 3997	7100	- 4197	----	200	SD, DOL	EST
LEONARD (CF - WICH)	7100	- 4197	8202	- 5299	----	1102	DOL, SH	
SPRABERRY	8202	- 5299	9240	- 6337	----	1038	SD, SH	
DEAN	9399	- 6496	9508	- 6605	----	109	SD, SH	
WOLFCAMP	9508	- 6605	10605	- 7702	70	1097	SH, DTR	
PENNSYLVANIAN	10605	- 7702	12010	- 9107	370	1405	LS, SH	
ATOKA	11222	- 8319	12010	- 9107	----	788	SH	
MISSISSIPPIAN	12010	- 9107	12160	- 9257	100	150	LS, SH	
WOODFORD	12160	- 9257	12234	- 9331	----	74	SH	
DEVONIAN	12234	- 9331	13008	-10105	774	774	LS	
FUSSELMAN	13008	-10105	13130	-10227	122	122	LS	
MONTOYA	13130	-10227	13333	-10430	203	203	LS	
SIMPSON	13333	-10430	13607	-10704	----	274	LS, SD, SH	
ELLENBURGER	13607	-10704	13684	-10781	77*		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11011      ELEVATION : 3243      TOTAL DEPTH : 11224  
 OPERATOR : GEORGE C. STILLWAGON      WELL : NO.1 CONTINENTAL-UNIVERSITY  
 LOCATION : 1980 FSL, 660 FEL      SEC: 32      TNSP : 0012      RNG :      SUR : UNIV. LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	293	2950	1385	1858	215	1092	SH, SD	EST
SANTA ROSA	1060	2183	1270	1973	105	210	SD, SH	
RUSTLER	1578	1665	2920	323	----	1342	ANHY	
YATES	2920	323	3150	93	----	230	SD, SH	
WHITEHORSE GROUP	2920	323	4480	- 1237	----	1560	LS, ANHY, SD	
SAN ANDRES	4480	- 1237	5940	- 2697	----	1460	LS, DOL	
GLORIETA	5940	- 2697	6060	- 2817	----	120	SD, DOL	
LEONARD (CF - WICH)	6060	- 2817	7180	- 3937	----	1120	DOL, SH	
TUBB	6592	- 3349	6710	- 3467	----	118	SD, DOL	
WOLFCAMP	7180	- 3937	8230	- 4987	270	1050	SH, LS, DTR	
PENNSYLVANIAN	8230	- 4987	8230	- 4987	----	0		UNC
MISSISSIPPIAN	8230	- 4987	8392	- 5149	162	162	LS,	ERD
WOODFORD	8392	- 5149	8813	- 5570	----	421	SH	
DEVONIAN	8813	- 5570	9808	- 6565	995	995	LS, SH	
FUSSELMAN	9808	- 6565	10090	- 6847	282	282	LS	
MONTOYA	10090	- 6847	10375	- 7132	285	285	LS	
SIMPSON	10375	- 7132	11136	- 7893	----	761	LS, SH, SD	
ELLENBURGER	11136	- 7893	11224	- 7981	88+		DOL	TD

REMARKS  
 MISS. TOP QUESTIONABLE

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D12      ELEVATION : 3190      TOTAL DEPTH : 12635  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO.3 H J.E. PARKER  
 LOCATION : 660 FNL, 1988 FEL      SEC: 20      TNSP : A-43      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	160	3030	1784	1406	210	1624	SH, SD	EST
SANTA ROSA	1431	1759	1657	1533	115	226	SD, SH	
RUSTLER	1960	1230	3134	56	----	1174	ANHY	
YATES	3134	56	3333	- 143	----	199	SD, SH	
WHITEHORSE GROUP	3134	56	4615	- 1425	----	1481	LS, ANHY, SD	
SAN ANDRES	4615	- 1425	5848	- 2658	----	1233	LS, DOL	
GLORIETA	5848	- 2658	5975	- 2785	----	127	SD, DOL	
LEONARD (CF - WICH)	5975	- 2785	8608	- 5418	----	2633	DOL, SH	
WOLFCAMP	8608	- 5418	9456	- 6266	550	848	LS, SH, DTR	
PENNSYLVANIAN	9456	- 6266	10167	- 6977	330	711	LS, SH	
ATOKA	9789	- 6599	10167	- 6977	----	378	SH	
MISSISSIPPIAN	10167	- 6977	10514	- 7324	347	347	LS	
WOODFORD	10514	- 7324	10567	- 7377	----	53	SH	
DEVONIAN	10567	- 7377	11625	- 8435	1058	1058	LS	
FUSSELMAN	11625	- 8435	11864	- 8674	239	239	LS	
MONTOYA	11864	- 8674	12155	- 8965	291	291	LS	
SIMPSON	12155	- 8965	12530	- 9340	----	375	SH, LS, SD	
ELLENBURGER	12530	- 9340	12635	- 9445	105+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D14      ELEVATION : 3040      TOTAL DEPTH : 13970  
 OPERATOR : PAN AMER. PETR.      WELL : NO.1 DAVID FASKEN AU  
 LOCATION : 660 FSL, 660 FWL      SEC: 1      TNSP : 0041      RNG :      SUR : TWP 3-N G+MMB+A

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	4900	- 1860	7015	- 3975	-----	2115	LS, SH EST	ABV
GLORIETA	7015	- 3975	7231	- 4191	-----	216	DOL, SD	
LEONARD (CF - WICH)	7231	- 4191	8460	- 5420	-----	1229	DOL, SH	
SPRABERRY	8460	- 5420	9290	- 6250	-----	830	SD, SH	
DEAN	9572	- 6532	9715	- 6675	-----	143	SD, SH	
WOLFCAMP	9715	- 6675	10902	- 7862	300	1187	SH, DTR, LS	
PENNSYLVANIAN	10902	- 7862	12125	- 9085	310	1223	LS, SH	
MISSISSIPPIAN	12125	- 9085	12446	- 9406	290	321	LS, SH	
WOODFORD	12446	- 9406	12493	- 9453	-----	47	SH	
DEVONIAN	12493	- 9453	13315	-10275	822	822	LS	
FUSSELMAN	13315	-10275	13475	-10435	160	160	LS	
MONTOYA	13475	-10435	13690	-10650	215	215	LS	
SIMPSON	13690	-10650	13940	-10900	-----	250	SH, LS, SD	
ELLENBURGER	13940	-10900	13970	-10930	30+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
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JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D17      ELEVATION : 3394      TOTAL DEPTH : 11515  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO.1 FERGUSON  
 LOCATION : 660 FNL, FWL      SEC: 12      TNSP : A-49      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	270	3124	1480	1914	255	1210	SH, SD	
SANTA ROSA	1175	2219	1409	1985	135	234	SD, SH	
RUSTLER	1640	1754	2989	405	----	1349	ANHY	
YATES	2989	405	3256	138	----	267	SD, SH	
WHITEHORSE GROUP	2989	405	4460	- 1066	----	1471	LS, ANHY, SH	
SAN ANDRES	4460	- 1066	5935	- 2541	----	1475	LS, DOL	
GLORIETA	5935	- 2541	6130	- 2736	----	195	DOL, SD	
LEONARD (CF EQV)	6130	- 2736	7310	- 3916	----	1180	DOL, SH	
WICHITA	7310	- 3916	8070	- 4676	----	760	DOL, SH	EST
WOLFCAMP	8070	- 4676	8390	- 4996	175	320	SH, DTR, LS	
PENN. - MISS.	8390	- 4996	8390	- 4996	----	0		UNC
WOODFORD	8390	- 4996	8730	- 5336	----	340	SH	ERD
DEVONIAN	8730	- 5336	9960	- 6566	1230	1230	LS, CHT	
FUSSELMAN	9960	- 6566	10370	- 6976	410	410	LS	
MONTOYA	10370	- 6976	10680	- 7286	310	310	LS	
SIMPSON	10680	- 7286	11320	- 7926	----	640	SH, SD, LS	
ELLENBURGER	11320	- 7926	11515	- 8121	195+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D21      ELEVATION : 3229      TOTAL DEPTH : 12252  
 OPERATOR : CONTINENTAL OIL CO.      WELL : NO.1 LINDLEY  
 LOCATION : 1980 FNL, 1980 FEL      SEC: 16      TNSP : A-47      RNG :      SUR : PSL

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA	DEPTH	SUB-SEA	DEPTH				
SAN ANDRES EST.	4370	- 1141	5890	- 2661	-----	1520	LS, DOL	ABV	
GLORIETA	5890	- 2661	5990	- 2761	-----	100	SD, DOL		
LEONARD (CF - WICH.)	5990	- 2761	8360	- 5131	-----	2370	DOL, SH		
WOLFCAMP	8360	- 5131	8710	- 5481	30	350	LS, SH, DTR	EST	
PENNSYLVANIAN	8710	- 5481	9230	- 6001	270	520	LS, SH		
MISSISSIPPIAN	9230	- 6001	9800	- 6571	350	570	LS	EST	
WOODFORD	9800	- 6571	9950	- 6721	-----	150	SH	EST	
DEVONIAN	9950	- 6721	11063	- 7834	1113	1113	LS		
FUSSELMAN	11063	- 7834	11330	- 8101	267	267	LS		
MONTOYA	11330	- 8101	11575	- 8346	245	245	LS		
SIMPSON	11575	- 8346	12130	- 8901	-----	555	SH, SD, LS		
ELLENBURGER	12130	- 8901	12252	- 9023	122+		DOL	TD	

REMARKS  
 WOLFCAMP, MISS., WOODFORD TOPS ARE QUESTIONABLE DUE TO CORRELATIONS FROM ELECTRIC LOG.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D24      ELEVATION : 3359      TOTAL DEPTH : 7410  
 OPERATOR : TEXAS-NM DEVELP. CO.      WELL : NO.34-17A SABINE ROYALTY  
 LOCATION : 467 FSL AND FWL OF NE/4      SEC: 17      TNSP : A-26      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	440	2919	1700	1659	195	1260	SH, SD	EST
SANTA ROSA	1302	2057	1592	1767	110	290	SD, SH	
YATES	1700	1659	2930	429	----	1230	ANHY	
YATES	2930	429	3107	252	----	177	SD, SH	
WHITEHORSE GROUP	2930	429	4635	- 1276	----	1705	LS, ANHY, SD	
SAN ANDRES (REPORTED)	4635	- 1276	5955	- 2596	----	1320	LS, DOL	
GLORIETA	5955	- 2596	6050	- 2691	----	95	SD, DOL	
LEONARD (CF EQV)	6050	- 2691	7410	- 4051	----		DOL, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D25      ELEVATION : 3179      TOTAL DEPTH : 13559  
 OPERATOR : LONE STAR PROD. CO.      WELL : NO.1 NOVALL INC.  
 LOCATION : 1980 FSL, 1980 FWL      SEC: 3      TNSP : A-44      RNG :      SUR : PSL

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	178	3001	1832	1347	225	1654	SH, SD	EST
SANTA ROSA	1428	1751	1661	1518	95	233	SD, SH	
RUSTLER	2047	1132	3322	- 143	----	1275	ANHY	
YATES	3322	- 143	3555	- 376	----	233	SD, SH	
WHITEHORSE GROUP	3555	- 376	5070	- 1891	----	1515	LS, ANHY, SD	
SAN ANDRES	5070	- 1891	6540	- 3361	----	1470	LS, DOL, SH	
GLORIETA	6540	- 3361	6652	- 3473	----	112	SD, DOL	
LEONARD (CF - WICH)	6652	- 3473	8774	- 5595	----	2122	DOL, SH	
WOLFCAMP	8774	- 5595	10440	- 7261	790	1666	LS, DTR, SH	EST
PENNSYLVANIAN	10440	- 7261	11167	- 7988	110	727	SH, LS	
MISSISSIPPIAN	11167	- 7988	11535	- 8356	320	368	LS	
WOODFORD	11535	- 8356	11600	- 8421	----	65	SH	
DEVONIAN	11600	- 8421	12685	- 9506	1085	1085	LS	
FUSSELMAN	12685	- 9506	12818	- 9639	133	133	LS	
MONTOYA	12818	- 9639	13064	- 9885	246	246	LS	
SIMPSON	13064	- 9885	13443	-10264	----	379	LS	
ELLENBURGER	13443	-10264	13559	-10380	116+		DOL	TD

REMARKS  
 WOLFCAMP TOP QUESTIONABLE. SANTA ROSA VERY SANDY 1100-1650 FT.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D26      ELEVATION : 3214      TOTAL DEPTH : 13394  
 OPERATOR : MANA RESOURCES INC.      WELL : NO.1 SAVAGE  
 LOCATION : 1980 FSL, 1980 FWL      SEC: 2      TNSP : A-36      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	176	3038	1683	1531	162	1507	SH SD	EST
SANTA ROSA	1400	1814	1610	1604	92	210	SD, SH	
RUSTLER	1854	1360	2962	252	----	1108	ANHY	
YATES	2962	252	3150	64	----	188	SD, SH	
WHITEHORSE GROUP	2962	252	4585	- 1371	----	1623	LS, ANHY, SD	
SAN ANDRES	4585	- 1371	6075	- 2861	----	1490	LS, DOL	
GLORIETA	6075	- 2861	6209	- 2995	----	134	SD, DOL	
LEONARD (CF - WICH.)	6209	- 2995	8860	- 5646	----	2651	DOL, SH	
WOLFCAMP	8860	- 5646	9730	- 6516	600	870	LS, DRT, SH	EST
PENNSYLVANIAN	9730	- 6516	10245	- 7031	210	515	LS, SH	
MISSISSIPPIAN	10245	- 7031	11358	- 8144	580	1113	LS, SH	
UPPER MISS (CHESTER)	10245	- 7031	10680	- 7466	----	435	LS, SH	
LOWER MISS. LS	10680	- 7466	11292	- 8078	----	612	LS	
WOODFORD	11292	- 8078	11358	- 8144	----	66	SH	
DEVONIAN	11358	- 8144	12420	- 9206	1062	1062	LS	
FUSSELMAN	12420	- 9206	12664	- 9450	244	244	LS	
MONTOYA	12664	- 9450	13005	- 9791	341	341	LS	
SIMPSON	13005	- 9791	13288	-10074	----	283	SH, SD, LS	
ELLENBURGER	13288	-10074	13394	-10180	106+		DOL	TD

REMARKS  
 WOLFCAMP TOP IS QUESTIONABLE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11028      ELEVATION : 2936      TOTAL DEPTH : 13225  
 OPERATOR : N.A.M.R. PETROLEUM CO.      WELL : NO.1 ELAINE  
 LOCATION : 560 FNL, 560 FEL SE/4      SEC: 26      TNSP : 0040      RNG :      SUR : TWP 2-N T+P RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	410	2526	1702	1234	175	1292	SH, SD	EST
SANTA ROSA	1322	1614	1555	1381	115	233	SD, SH	
RUSTLER	1922	1014	2939	- 3	----	1017	ANHY	
YATES	2939	- 3	3179	- 243	----	240	SD, SH	
WHITEHORSE GROUP	3179	- 243	4805	- 1869	----	1626	LS, ANHY, SD	
SAN ANDRES	4805	- 1869	6720	- 3784	----	1915	LS, SH	
GLORIETA	6720	- 3784	6892	- 3956	----	172	SD, DOL	EST
LEONARD (CF - WICH)	6892	- 3956	8145	- 5209	----	1253	DOL, SH	EST
SPRABERRY	8145	- 5209	9070	- 6134	----	925	SD, SH	
DEAN	9342	- 6406	9449	- 6513	----	107	SD, SH	
WOLFCAMP	9449	- 6513	10411	- 7475	150	962	SH, LS, DTR	
PENNSYLVANIAN	10411	- 7475	11587	- 8651	320	1176	LS, SH	
MISSISSIPPIAN	11587	- 8651	11828	- 8892	110	241	LS, SH	
WOODFORD	11828	- 8892	11862	- 8926	----	34	SH	
DEVONIAN	11862	- 8926	12627	- 9691	765	765	LS	
FUSSELMAN	12627	- 9691	12770	- 9834	143	143	LS	
MONTOYA	12770	- 9834	12980	-10044	210	210	LS	
SIMPSON	12980	-10044	13214	-10278	----	234	SH, LS, SD	
ELLENBURGER	13214	-10278	13225	-10289	11+		DOL	TD

REMARKS  
 SANTA ROSA APPEARS TO HAVE GOOD POROSITY.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D36      ELEVATION : 3358      TOTAL DEPTH : 8202  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO.55 THREE BAR UNIT  
 LOCATION : 660 FNL, 660 FEL OF S/2      SEC: 8      TNSP : 0011      RNG :      SUR : UNIVERSITY LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	266	3092	1447	1911	179	1181	SH, SD	EST
SANTA ROSA	1118	2240	1362	1996	114	244	SD, SH	
RUSTLER	1565	1793	2844	514	----	1279	ANHY	
YATES	2844	514	3045	313	----	201	SD, SH	
WHITEHORSE GROUP	2844	514	4370	- 1012	----	1526	LS, ANHY, SD	
SAN ANDRES	4370	- 1012	5715	- 2357	----	1345	LS, DOL	
GLORIETA	5715	- 2357	5838	- 2480	----	123	SD, DOL	
LEONARD (CF - WICH)	5838	- 2480	6847	- 3489	----	1009	DOL, SH	
TUBB	6270	- 2912	6368	- 3010	----	98	DOL, SD	
WOLFCAMP	6847	- 3489	7984	- 4626	430	1137	SH, DTR, LS	
PENN. - MISS.	7984	- 4626	7984	- 4626	----	0		UNC
DEVONIAN	7984	- 4626	8202	- 4844	218+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11055      ELEVATION : 3162      TOTAL DEPTH : 13944  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO.320 J.S. MEANS  
 LOCATION : 3130 FSL, 467 FEL      SEC: 1      TNSP : A-19      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	390	2772	1748	1414	----	1358	SH, SD	EST
SANTA ROSA	1470	1692	1688	1474	----	218	SD, SH	
RUSTLER	2010	1152	3090	72	----	1080	ANHY	
YATES	3090	72	3264	- 102	----	174	SD, SH	
WHITEHORSE GROUP	3090	72	4585	- 1423	----	1495	LS, SD, ANHY	
SAN ANDRES	4585	- 1423	6080	- 2918	----	1495	LS, DOL	
GLORIETA	6080	- 2918	6220	- 3058	----	140	SD, DOL	
LEONARD (CF-WICH)	6220	- 3058	9658	- 6496	----	3438	DOL, SH	
WOLFCAMP	9658	- 6496	10550	- 7388	----	892	LS, SH, DTR	EST
PENNSYLVANIAN	10550	- 7388	11647	- 8485	----	1097	LS, SH	EST
MISSISSIPPIAN	11647	- 8485	12156	- 8994	----	509	LS	
WOODFORD	12156	- 8994	12220	- 9058	----	64	SH	
DEVONIAN	12220	- 9058	13125	- 9963	875	905	LS	
FUSSELMAN	13125	- 9963	13354	-10192	229	229	LS	
MONTOYA	13354	-10192	13640	-10478	286	286	LS	
SIMPSON	13640	-10478	13880	-10718	----	240	LS, SH, SD	
ELLENBURGER	13880	-10718	13944	-10782	64+		DOL	TD

REMARKS  
 GOOD APPARENT POROSITY IN PENNSYLVANIAN

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D57      ELEVATION : 3090      TOTAL DEPTH : 12740  
 OPERATOR : CHAMBERS AND KENNEDY      WELL : NO.1 VANLANDINGHAM  
 LOCATION : 760 FSL, 660 FWL      SEC: 11      TNSP : A-19      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	322	2768	1915	1175	----	1593	SH, SD	EST
SANTA ROSA	1411	1679	1680	1410	----	269	SD	
RUSTLER	2160	930	3213	- 123	----	1053	ANHY	
YATES	3213	- 123	3508	- 418	----	295	SD, LS, SH	
HITEHORSE GROUP	3330	- 240	46370	-43280	0W	43040	LS, ANHY, SD	
SAN ANDRES	4637	- 1547	6260	- 3170	----	1623	LS, SD, DOL	
GLORIETA EQV	6260	- 3170	6395	- 3305	----	135	SD, DOL	
LEONARD (CF - WICH)	6395	- 3305	8510	- 5420	----	2115	DOL, SH	
SPRABERRY	8510	- 5420	9390	- 6300	----	880	SD, SH	
DEAN	9532	- 6442	9655	- 6565	----	123	SD, SH	
WOLFCAMP	9655	- 6565	10996	- 7906	----	1341	LS, SH, DTR	EST
PENNSYLVANIAN	10996	- 7906	12114	- 9024	----	1118	LS, SH	
MISSISSIPPIAN	12114	- 9024	12590	- 9500	----	476	LS	
WOODFORD	12590	- 9500	12667	- 9577	----	77	SH	
DEVONIAN	12667	- 9577	12740	- 9650	73+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AB - ANDREWS      WELL ID NO. : 11D60      ELEVATION : 3197      TOTAL DEPTH : 12628  
 OPERATOR : GULF OIL CORP.      WELL : NO.1 TEXAS NNN  
 LOCATION : C OF SEC.      SEC: 21      TNSP : 0009      RNG :      SUR : UNIVERSITY LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP	8250	- 5053	8775	- 5578	175	525	LS,SH,SD	
PENNSYLVANIAN	8775	- 5578	9515	- 6318	320	740	LS,SH	
MISS. - BARNETT	9515	- 6318	9910	- 6713	----	395	SH	
MISS. LS	9910	- 6713	10390	- 7193	----	480	LS	
WOODFORD	10390	- 7193	10510	- 7313	----	120	SH	
DEVONIAN	10510	- 7313	11620	- 8423	----	1110	LS,CHT	
FUSSELMAN	11620	- 8423	11720	- 8523	----	100	LS	
MONTOYA	11720	- 8523	11990	- 8793	----	270	DOL	
SIMPSON	11990	- 8793	12500	- 9303	----	510	SH,SD,LS	
ELLENBURGER	12500	- 9303	12628	- 9431	----		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : BA - BORDEN      WELL ID NO. : 10C10      ELEVATION : 2694      TOTAL DEPTH : 8605  
 OPERATOR : KINGREA ET AL      WELL : NO.1 MILLER  
 LOCATION : 660 FSL, 660 FEL      SEC: 587      TNSP : 0097      RNG :      SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	265	2429	850	1844	42	585	SH, SD	EST
SANTA ROSA	640	2054	790	1904	42	150	SD	
RUSTLER	1090	1604	1456	1238	----	366	ANHY	
YATES	1456	1238	1574	1120	----	118	SD, SH	
WHITEHORSE GROUP	1456	1238	2604	90	----	1148	SD,LS,ANHY	
SAN ANDRES	2604	90	3545	- 851	----	941	LS, SD	
GLORIETA	3545	- 851	3745	- 1051	----	200	DOL, SH, SD	
SPRABERRY	4984	- 2290	6154	- 3460	----	1170	SD, SH	
DEAN	5432	- 2738	6605	- 3911	----	1173	SD	
WOLFCAMP	6605	- 3911	7968	- 5274	160	1363	SH, LS	
PENNSYLVANIAN	7968	- 5274	8336	- 5642	270	368	LS, SH	
MISSISSIPPIAN	8336	- 5642	8502	- 5808	166	166	LS	EST
MISS. - U. ORDOV.	8502	- 5808	8502	- 5808	----	0		UNC
ELLENBURGER	8502	- 5808	8605	- 5911	103+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : BA - BURDEN            WELL ID NO. : 10C11            ELEVATION : 2454            TOTAL DEPTH : 8450  
 OPERATOR : TEXAS OIL AND GAS CO.    WELL : NO.1 MILLER  
 LOCATION : 660 FSL, 1980 FWL            SEC: 276    TNSP : 0097            RNG :            SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	2350	104	3375	- 921	----	1025	LS, SD	EST
GLORIETA	3375	- 921	3575	- 1121	----	200	SD, LS, SH	
SPRABERRY	4800	- 2346	5900	- 3446	----	1100	SD, SH	
DEAN	6176	- 3722	6337	- 3883	----	161	SD	
WOLFCAMP	6337	- 3883	7693	- 5239	40	1356	SH, LS	
PENNSYLVANIAN	7693	- 5239	8219	- 5765	280	526	LS, SH	
MISSISSIPPIAN	8219	- 5765	8450	- 5996	180		LS	TD

REMARKS  
 TOP OF ELLENBURGER ESTIMATED AT 8450 FT. (-5995)

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : BA - BORDEN                      WELL ID NO. : 10C12                      ELEVATION : 2426                      TOTAL DEPTH : 8600  
 OPERATOR : KINGREA ET AL                      WELL : NO.1 MC DOWELL  
 LOCATION : 2202 FNL, 2144 FWL                      SEC: 139                      TNSP : 0025                      RNG :                      SUR : H+TC RR

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
TRIASSIC	148	2278	796	1630	82	648	SH, SD	EST
SANTA ROSA	447	1979	752	1674	57	305	SD, SH	
RUSTLER	900	1526	1230	1196	----	330	ANHY	
YATES	1230	1196	1350	1076	----	120	SD, SH	
WHITEHORSE GROUP	1230	1196	2335	91	----	1105	SD, LS, SH	
SAN ANDRES	2335	91	3252	- 826	----	917	LS, SD	
GLORIETA	3252	- 826	3435	- 1009	----	183	SD, LS, SH	
SPRABERRY	4603	- 2177	5692	- 3266	----	1089	SD, SH	
DEAN	6050	- 3624	6196	- 3770	----	146	SD	
WOLFCAMP	6196	- 3770	7443	- 5017	160	1247	SH, LS	
PENNSYLVANIAN	7443	- 5017	8310	- 5884	520	867	LS, SH	
MISSISSIPPIAN	8310	- 5884	8480	- 6054	170	170	LS	
WOODFORD-MONTOYA	8480	- 6054	8480	- 6054	----	0		UNC
ELLENBURGER	8480	- 6054	8600	- 6174	120+	120	DOL	

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT,

AUG 1971

COUNTY : BA - BORDEN                      WELL ID NO, : 10C13                      ELEVATION : 2279                      TOTAL DEPTH : 6797  
 OPERATOR : KERR-MCGEE                      WELL : NO.1 GRIFFIN  
 LOCATION : 467 FNL, 2173 FEL                      SEC: 57                      TNSP : 0025                      RNG :                      SUR : H+TC RR

FORMATION	DEPTH	TOP	SUB-SEA	DEPTH	BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GLORIETA	2709	-	430	2909	-	630	----	200	SD, LS, SH	
SPRABERRY	4203	-	1924	5458	-	3179	----	1255	SD, SH	
DEAN	5730	-	3451	5884	-	3605	----	154	SD	
WOLFCAMP	5884	-	3605	6784	-	4505	120	900	SH,LS	
PENNSYLVANIAN	6784	-	4505	6797	-	4518	----		LS,SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : BA - BURDEN                      WELL ID NO. : 10C52                      ELEVATION : 2481                      TOTAL DEPTH : 9700  
 OPERATOR : GULF OIL CORP.                      WELL : NO.2-51 A.M. CLAYTON-C  
 LOCATION : 660 FNL, 660 FWL                      SEC: 39                      TNSP : 0032                      RNG :                      SUR : TWP 4-N T+P RR

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	2800	-	319	4092	- 1611	----	1292	LS, SD	ABV
GLORIETA	4092	-	1611	4292	- 1811	----	200	LS, SH, SD	
SPRABERRY	5893	-	3412	6970	- 4489	----	1077	SD, SH	
DEAN	7240	-	4759	7423	- 4942	----	183	SD	
WOLFCAMP	7423	-	4942	8186	- 5705	25	763	SH, LS	
PENNSYLVANIAN	8186	-	5705	9360	- 6879	710	1174	LS, SH	
MISSISSIPPIAN	9360	-	6879	9700	- 7219	340		LS	TD

REMARKS  
 CORRELATIONS FROM S.P. - ELECTRIC LOG. WELL LOG BEGINS BELOW TOP OF SAN ANDRES.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : BA - BORDEN      WELL ID NO. : 10C60      ELEVATION : 2937      TOTAL DEPTH : 9557  
 OPERATOR : GULF OIL CORP.      WELL : NO.1 CLAYTON AND JOHNSON  
 LOCATION : 660 FN+EL OF SW/4      SEC: 40      TNSP : 0031      RNG :      SUR : T-6N, T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	2077	860	3375	- 438	----	1298	ANHY,SH,SD	
SAN ANDRES	3375	- 438	4480	- 1543	----	1105	DOL,LS,SD	
GLORIETA	4480	- 1543	4700	- 1763	----	220	LS,SD,SH	
CLEAR FORK EQV.	4700	- 1763	6080	- 3143	----	1380	SH,LS,SD	
SPRABERRY	6080	- 3143	7490	- 4553	----	1410	SH,SD	
DEAN	7490	- 4553	7678	- 4741	----	188	SH,SD	
WOLFCAMP	7678	- 4741	8603	- 5666	0	925	SH,SD,LS	
PENNSYLVANIAN	8603	- 5666	9320	- 6383	330	717	LS,SH,SD	
MISSISSIPPIAN	9320	- 6383	9484	- 6547	----	164	LS	
WOODFORD	9484	- 6547	9515	- 6578	----	31	SH	
DEVONIAN - SIMPSON	9515	- 6578	9515	- 6578	----	0		UNC
ELLENBURGER	9515	- 6578	9557	- 6620	----		DOL	TD

REMARKS  
 MISSISSIPPIAN ALL NET.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : BK - BREWSTER      WELL ID NO. : 15C20      ELEVATION : 4228      TOTAL DEPTH : 9055  
 OPERATOR : HINTON      WELL : NO.1 TEXAS AMERICAN SYNDICATE  
 LOCATION : 660 FNL, 990 FEL      SEC: 66      TNSP : 0010      RNG :      SUR : GH+SA

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SILURO-DEVONIAN	5665	- 1437	6000	- 1772	-----	335	LS	ABV
MONTOYA	6000	- 1772	6680	- 2452	680	680	LS	
IGNEOUS SILL	6078	- 1850	6460	- 2232	-----	382		
SIMPSON	6680	- 2452	8350	- 4122	-----	1670	LS, SH	
ELLENBURGER	8350	- 4122	9055	- 4827	705+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : BK - BREWSTER      WELL ID NO. : 15C53      ELEVATION : 3073      TOTAL DEPTH : 9046  
 OPERATOR : HINTON OIL CO.      WELL : NO.1 TEXAS AM. SYNDICATE  
 LOCATION :

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
MISSISSIPPIAN	5120	- 2047	5345	- 2272	0	225	SH, CHT	
WOODFORD	5345	- 2272	5665	- 2592	----	320	SH	
DEVONIAN	5665	- 2592	6005	- 2932	340	340	LS, CHT	
MONTOYA	6005	- 2932	6678	- 3605	311	673	LS, IGNEOUS	
SIMPSON	6678	- 3605	8350	- 5277	----	1672	LS, SH	
ELLENBURGER	8350	- 5277	9046	- 5973	696		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : BK - BREWSTER      WELL ID NO. : 15D1      ELEVATION : 5104      TOTAL DEPTH : 6484  
 OPERATOR : E.B. CLARK DRLG. CO.      WELL : NO.1 CATTO-GAGE  
 LOCATION : 474 FNL, 1423 FEL      SEC: 52      TNSP : 353      RNG :      SUR : J.A. BLUNDELL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TERTIARY VOLCANICS	0	5104	2070	3034	-----	2070	IGN	
CRETACEOUS UNDIFF.	2070	3034	2510	2594	-----	440	SH,LS	EST
MISSISSIPPIAN UNDIFF.	2510	2594	2875	2229	-----	365	SH,LS	EST
WOODFORD	2875	2229	3000	2104	-----	125	SH	
SILURO-DEVONIAN	3000	2104	3930	1174	-----	930	LS	
MONTOYA	3930	1174	4745	359	735	815	LS	EST
SIMPSON	4745	359	5975	- 871	-----	1230	SH	
ELLENBURGER	5975	- 871	6484	- 1380	409+		LS,DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : BK - BREWSTER      WELL ID NO. : 15D2      ELEVATION : 4459      TOTAL DEPTH : 9634

OPERATOR : SLICK - URSCHEL      WELL : NO.1 DECIE

LOCATION : 660 FNL, 2310 FEL      SEC: 4      TNSP : 7 4      RNG :      SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOODFORD	6960	- 2501	7090	- 2631	----	130	SH	
SILURO-DEVONIAN	7090	- 2631	7270	- 2811	----	180	LS,SH	
MONTOYA	7270	- 2811	8260	- 3801	890	990	LS	
SIMPSON	8260	- 3801	9550	- 5091	----	1290	SH,SD,LS	
ELLENBURGER	9550	- 5091	9634	- 5175	84+		LS,DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : BK - BREWSTER      WELL ID NO. : 15D3      ELEVATION : 4753      TOTAL DEPTH : 9360  
 OPERATOR : GULF OIL CORP.      WELL : NO.1 DORA LIPPITT  
 LOCATION : 1290 FNL, 660 FWL      SEC: 3      TNSP : 306      RNG :      SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TERTIARY VOLCANICS	0	4753	2350	2403	----	2350	IGN	
CRETACEOUS UNDIFF.	2350	2403	2715	2038	----	365	LS,SH	EST
PERMIAN UNDIFF.	2715	2038	4650	103	----	1935	SH,LS	
IGNEOUS SILL	4650	103	5565	- 812	----	915	IGN	
PERMIAN UNDIFF. (2ND)	5565	- 812	6300	- 1547	----	735	SH,LS	
PENNSYLVANIAN	6300	- 1547	6680	- 1927	----	380	SH,LS	
MISSISSIPPIAN	6680	- 1927	6860	- 2107	----	180	SH,LS	
WOODFORD	6860	- 2107	7130	- 2377	----	270	SH	
SILURO-DEVONIAN	7130	- 2377	7460	- 2707	----	330	LS	
MONTOYA	7460	- 2707	7830	- 3077	330	370	LS	
SIMPSON	7830	- 3077	9170	- 4417	----	1340	SH	
ELLENBURGER	9170	- 4417	9360	- 4607	190+		DOL	TD

REMARKS  
 CRETACEOUS TOP IS QUESTIONABLE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : BK - BREWSTER      WELL ID NO. : 15D4      ELEVATION : 5035      TOTAL DEPTH : 5634  
 OPERATOR : PURE OIL CO.      WELL : NO.1 MASSIE WEST  
 LOCATION : 660 FNL, 660 FEL      SEC: 548      TNSP : 8      RNG :      SUR : GH+SA RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TERTIARY VOLCANICS	0	5035	3370	1665	----	3370	IGN	
CRETACEOUS UNDIFF.	3370	1665	3670	1365	----	300	LS,SH	
PERMIAN UNDIFF.	3670	1365	4800	235	----	1130	LS,SH	
MISS. - SIMPSON	4800	235	4800	235	----	0		UNC
ELLENBURGER	4800	235	5555	- 520	755	755	DOL,LS	ERD
PRE-CAMBRIAN	5555	- 520	5634	- 599	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : BK - BREWSTER      WELL ID NO. : 15D50      ELEVATION : 4459      TOTAL DEPTH : 9741

OPERATOR : SLICK-URSCHEL      WELL : NO.1 DECIE

LOCATION :      SEC :      TNSP :      RNG :      SUR :

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
WOODFORD	6990	- 2531	7275	- 2816	----	285	SH	
DEVONIAN	7525	- 3066	7750	- 3291	225	225	LS, CHT	
SILURIAN	7750	- 3291	7960	- 3501	210	210	LS, CHT	
MONTOYA	7960	- 3501	8240	- 3781	280	280	LS, CHT	
SIMPSON	8240	- 3781	9440	- 4981	----	1200	LS, SH, SD	
ELLENBURGER	9440	- 4981	9741	- 5282	301+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : BK - BREWSTER      WELL ID NO. : 26A8      ELEVATION : 3708      TOTAL DEPTH : 8456  
 OPERATOR : SUN OIL CO.      WELL : NO.1 MCELROY  
 LOCATION : 2300 FNL, 2100 FEL      SEC: 5      TNSP : 212      RNG :      SUR : T+STL RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CRETACEOUS UNDIFF.	0	3708	2490	1218	----	2490	SH,LS	EST
PERMIAN UNDIFF.	2490	1218	5520	- 1812	----	3030	SH	EST
WOODFORD	5520	- 1812	5610	- 1902	----	90	SH	
SILURO-DEVONIAN	5610	- 1902	6100	- 2392	----	490	LS	
MONTOYA	6100	- 2392	6620	- 2912	470	520	LS	EST
SIMPSON	6620	- 2912	7220	- 3512	----	600	SH	
ELLENBURGER	7220	- 3512	8400	- 4692	1180	1180	DOL	
PRE-CAMBRIAN	8400	- 4692	8456	- 4748	----		GRI	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : DP - COCHRAN      WELL ID NO. : 11A1      ELEVATION : 3859      TOTAL DEPTH : 10700  
 OPERATOR : SHELL AND ATLANTIC      WELL : NO.1 LOONEY  
 LOCATION : 660 FNL, 660 FWL      SEC:      TNSP :      RNG :      SUR : LBR 66 LGE 117 KNOX CSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	400	3459	2110	1749	242	1710	SH, SD	EST
SANTA ROSA	1876	1983	2072	1787	165	196	SD, SH	
RUSTLER	2183	1676	2704	1155	----	521	ANHY	
YATES	2704	1155	2873	986	----	169	SD, SH	
WHITEHORSE GROUP	2704	1155	3872	- 13	----	1168	SD,LS,ANHY	
SAN ANDRES	3872	- 13	5293	- 1434	----	1421	LS, DOL	
GLORIETA	5293	- 1434	5411	- 1552	----	118	SD, DOL	
CLEAR FORK	5411	- 1552	7150	- 3291	----	1739	DOL	
TUBB	6480	- 2621	6640	- 2781	----	160	DOL, SD	
ABO	7150	- 3291	8395	- 4536	----	1245	DOL, SH	
WOLFCAMP	8395	- 4536	9440	- 5581	285	1045	SH, LS	EST
PENNSYLVANIAN	9440	- 5581	10040	- 6181	200	600	LS, SH	EST
MISSISSIPPIAN	10040	- 6181	10372	- 6513	332	332	LS	
WOODFORD	10372	- 6513	10403	- 6544	----	31	SH	
SILURO-DEVONIAN	10403	- 6544	10700	- 6841	297+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : DP - COCHRAN      WELL ID NO. : 11A3      ELEVATION : 3847      TOTAL DEPTH : 10788  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO.1 MASTEN  
 LOCATION : LBR 18, 660 FNL, 660 FWL SEC:      TNSP :      RNG :      SUR : LGE 135 ARMSTRONG CSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	443	3404	2162	1685	310	1719	SH, SD	EST
SANTA ROSA	1834	2013	2112	1735	135	278	SD, SH	
RUSTLER	2235	1612	2762	1085	----	527	ANHY	
YATES	2762	1085	2880	967	----	118	SD, SH	
WHITEHORSE GROUP	2762	1085	3962	- 115	----	1200	SD, ANHY	
SAN ANDRES	3962	- 115	5378	- 1531	----	1416	LS, SD, DOL	
GLORIETA	5378	- 1531	5520	- 1673	----	142	DOL, SD	
CLEAR FORK	5520	- 1673	7258	- 3411	----	1738	DOL	
TUBB	6564	- 2717	6774	- 2927	----	210	SD, DOL	
ABO	6774	- 2927	8567	- 4720	----	1793	DOL, SH	
WOLFCAMP	8567	- 4720	8568	- 4721	350	1	SH, DTR, LS	EST
PENNSYLVANIAN	8568	- 4721	10144	- 6297	240	1576	LS, SH	EST
MISS. - WOODFORD	10144	- 6297	10144	- 6297	----	0		UNC
SILURO-DEVONIAN	10144	- 6297	10683	- 6836	539	539	LS	
MONTOYA	10683	- 6836	10683	- 6836	----	0		UNC
ELLENBURGER	10683	- 6836	10683	- 6836	----	0		UNC
GRANITE WASH	10683	- 6836	10788	- 6941	----		GTW	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : DP - COCHRAN      WELL ID NO. : 11A12      ELEVATION : 3860      TOTAL DEPTH : 4800  
 OPERATOR : ATLANTIC REF.      WELL : NO.1 OBRIEN  
 LOCATION : LBR 5, 660 FNL, 660 FEL SEC:      TNSP :      RNG :      SUR : LGE 147 STONEWALL CSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	270	3590	2146	1714	235	1876	SD, SD	EST
SANTA ROSA	1875	1985	2145	1715	80	270	SD, SH	
RUSTLER	2214	1646	2586	1274	----	372	ANHY	
YATES	2586	1274	2710	1150	----	124	SD, SH	
WHITEHORSE GROUP	2586	1274	3793	67	----	1207	LS, ANHY, SD	
SAN ANDRES	3793	67	4800	- 940	----		LS, DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : DP - CUCHRAN      WELL ID NO. : 11A50      ELEVATION : 3862      TOTAL DEPTH : 8079  
 OPERATOR : MC ELROY RANCH CO.      WELL : NO.1 AUSMUS  
 LOCATION : 1980 FNL, 660 FEL      SEC: 26      TNSP :      RNG :      SUR : HANSFORD CSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WHITEHORSE GROUP	2222	1640	3295	567	-----	1073	ANHY,SH	
SAN ANDRES	3295	567	4640	- 778	-----	1345	DOL,LS,SH	
CLEAR FORK	4760	- 898	6440	- 2578	-----	1680	DOL,SH,LS	
WHICHITA	6440	- 2578	7360	- 3498	-----	920	SH,GRW	
WOLFCAMP	7360	- 3498	7850	- 3988	150	490		
PRE-CAMBRIAN	7850	- 3988	8079	- 4217	-----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : UP - COCHRAN      WELL ID NO. : 11B2      ELEVATION : 3775      TOTAL DEPTH : 12010  
 OPERATOR : AMERICAN TRADING      WELL : NO.1-A DANIEL ESTATE  
 LOCATION : 2310 FNL, 660 FWL      SEC: 8      TNSP : 000L      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	460	3315	2275	1500	360	1815	SH, SD	EST
SANTA ROSA	2030	1745	2220	1555	130	190	SD, SH	
RUSTLER	2433	1342	3030	745	----	597	ANHY	
YATES	3030	745	3156	619	----	126	SD, SH	
WHITEHORSE GROUP	3030	745	4350	- 575	----	1320	LS, ANHY, SD	
SAN ANDRES	4350	- 575	5846	- 2071	----	1496	LS, DOL, SD	
GLORIETA	5846	- 2071	5957	- 2182	----	111	DOL, SD	
CLEAR FORK	5957	- 2182	7690	- 3915	----	1733	DOL, ANHY	
TUBB	7018	- 3243	7209	- 3434	----	191	SD, DOL	
ABO	7690	- 3915	9197	- 5422	----	1507	DOL, SH	
WOLFCAMP	9197	- 5422	10152	- 6377	310	955	LS, DTR, SH	
PENNSYLVANIAN	10152	- 6377	11196	- 7421	380	1044	LS, SH	
MISSISSIPPIAN	11196	- 7421	11880	- 8105	560	684	LS	
WOODFORD	11880	- 8105	11923	- 8148	----	43	SH	
SILURO-DEVONIAN	11923	- 8148	12010	- 8235	87+		LS, CHT	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : DP - COCHRAN      WELL ID NO. : 11B24      ELEVATION : 3866      TOTAL DEPTH : 11960  
 OPERATOR : GULF OIL CORP.      WELL : NO.1 AMERICAN NAIL. BANK  
 LOCATION : 1980 FSL, 1980 FWL      SEC: 58      TNSP :      RNG :      SUR : HARRISON AND BROWN

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	450	3416	2222	1644	367	1772	SH, SD	EST
SANTA ROSA	2007	1859	2190	1676	127	183	SD, SH	
RUSTLER	2318	1548	2966	900	----	648	ANHY	
YATES	2966	900	3094	772	----	128	SD, SH	
WHITEHORSE GROUP	2966	900	4253	- 387	----	1287	LS, ANHY, SD	
SAN ANDRES	4253	- 387	5740	- 1874	----	1487	LS, DOL	
GLORIETA	5740	- 1874	5840	- 1974	----	100	DOL, SD	
CLEAR FORK	5840	- 1974	7672	- 3806	----	1832	DOL, ANHY	
TUBB	6964	- 3098	7188	- 3322	----	224	SD, DOL	
ABO	7188	- 3322	9163	- 5297	----	1975	DOL, SH	
WOLFCAMP	9163	- 5297	10244	- 6378	500	1081	LS, SH, DTR	
PENNSYLVANIAN	10244	- 6378	11366	- 7500	570	1122	LS, SH	
MISSISSIPPIAN	11366	- 7500	11880	- 8014	480	514	LS	
WOODFORD	11880	- 8014	11928	- 8062	----	48	SH	
SILURO-DEVONIAN	11928	- 8062	11960	- 8094	32+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : DP - CUCHRAN      WELL ID NO. : 11854      ELEVATION : 3679      TOTAL DEPTH : 11968  
 OPERATOR : TEXAS CRUDE ET AL      WELL : NO.1-1 BOYD  
 LOCATION : 660 FNL, 660 FEL      SEC: 1      TNSP : G      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WHITEHORSE GROUP	3010	669	4305	- 626	----	1295	ANHY,LS,SH	
SAN ANDRES	4305	- 626	5725	- 2046	----	1420	DOL,LS,SD	
GLORIETA	5725	- 2046	5880	- 2201	----	155	SD,LS,SH	
CLEAR FORK	5880	- 2201	7520	- 3841	----	1640	DOL,LS,SH	
WICHITA - ABO REEF	7520	- 3841	8362	- 4683	----	842	LS,DOL,SH	
WOLFCAMP	8362	- 4683	9340	- 5661	250	978	SH,LS,DTR	
PENNSYLVANIAN	9340	- 5661	11270	- 7591	575	1930	LS,SH	EST
MISSISSIPPIAN	11270	- 7591	11932	- 8253	420	662	LS,SH	
DEVONIAN	11932	- 8253	11968	- 8289	----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : HM - CHANE                      WELL ID NO. : 16A4                      ELEVATION : 2764                      TOTAL DEPTH : 10856  
 OPERATOR : GULF OIL CORP.                      WELL : NO.C-1 E. MCKNIGHT ET AL  
 LOCATION : 660 FSL, 660 FWL                      SEC: 9                      TNSP : 0046                      RNG :                      SUR : G+MMB+A

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	120	2644	700	2064	100	580	SH, SD	EST
SANTA ROSA	305	2459	516	2248	50	211	SD	
RUSTLER-SALADO	904	1860	2310	454	----	1406	ANHY	
YATES	2310	454	2468	296	----	158	SD, SH	
WHITEHORSE GROUP	2310	454	3960	- 1196	----	1650	LS, ANHY, SD	
SAN ANDRES	3960	- 1196	4772	- 2008	----	812	LS, DOL	EST
GLORIETA EQV	4772	- 2008	4975	- 2211	----	203	SD, DOL	
CLEAR FORK	4975	- 2211	6227	- 3463	----	1252	DOL, SH	
WICHITA	6227	- 3463	6845	- 4081	----	618	DOL, SH	
WOLFCAMP	6845	- 4081	7490	- 4726	210	645	LS, SH, DTR	
PENNSYLVANIAN	7490	- 4726	7490	- 4726	----	0		UNC
MISSISSIPPIAN	7490	- 4726	7950	- 5186	160	460	LS, SH	
BARNETT	7490	- 4726	7620	- 4856	----	130	SH	
MISS. LS.	7620	- 4856	7950	- 5186	----	330	LS	
WOODFORD	7950	- 5186	8343	- 5579	----	393	SH	
DEVONIAN	8343	- 5579	8849	- 6085	506	506	LS	
SILURIAN	8849	- 6085	9058	- 6294	----	209	SH	
FUSSELMAN	9058	- 6294	9237	- 6473	179	179	LS	
MONTOYA	9237	- 6473	9536	- 6772	299	299	LS	
SIMPSON	9536	- 6772	10595	- 7831	----	1059	LS, SH, SU	

WELL ID NO. : 16A4

CONTINUED

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
ELLENBURGER	10595	- 7831	10856	- 8092	261+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : HM - CRANE                      WELL ID NO. : 16A8                      ELEVATION : 2868                      TOTAL DEPTH : 10500  
 OPERATOR : TEXACO INC.                      WELL : NO.2 CRANE D FEE  
 LOCATION : 660 FNL, 1980 FWL                      SEC: 13                      TNSP : 0043                      RNG :                      SUR : TWP 4-S T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	190	2678	1465	1403	155	1275	SH, SD	EST
SANTA ROSA	1050	1818	1285	1583	65	235	SD, SH	
RUSTLER-SALADO	1707	1161	3020	- 152	----	1313	ANHY, SLT	
YATES	3020	- 152	3182	- 314	----	162	SD, DOL, SH	
WHITEHORSE GROUP	3020	- 152	4242	- 1374	----	1222	SH, ANHY, LS	
SAN ANDRES	4242	- 1374	5920	- 3052	----	1678	LS, DOL	
CLEAR FORK EQV	5920	- 3052	6635	- 3767	----	715		EST
WICHITA EQV	6635	- 3767	7442	- 4574	----	807		EST
WOLFCAMP	7442	- 4574	8315	- 5447	----	873		EST
PENNSYLVANIAN (REEF)	8315	- 5447	10420	- 7552	----	2105	LS, SH	
BARNETT	10420	- 7552	10500	- 7632	----		SH	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HM - CRANE                      WELL ID NO. : 16A21                      ELEVATION : 2689                      TOTAL DEPTH : 7435  
 OPERATOR : THE TXL CORP.                      WELL : NO.1 N. W. GRAHAM  
 LOCATION : 660 FWL, 1980 FSL                      SEC: 26                      TNSP : B-17                      RNG :                      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	50	2639	354	2335	45	304	SH, SD	EST
SANTA ROSA	110	2579	300	2389	40	190	SD, SH	EST
RUSTLER-SALADO	480	2209	1730	959	-----	1250	ANHY	
YATES	1730	959	1880	809	-----	150	SD, SH	
WHITEHORSE GROUP	1730	959	3240	- 551	-----	1510	LS, ANHY, SD	
SAN ANDRES	3240	- 551	3876	- 1187	-----	636	LS, DOL	
GLORIETA EQV	3876	- 1187	4097	- 1408	-----	221	SD, DOL	
CLEAR FORK	4097	- 1408	5278	- 2589	-----	1181	DOL, SH	
WICHITA	5278	- 2589	5720	- 3031	-----	442	DOL, SH, DTR	
WOLFCAMP	5720	- 3031	6163	- 3474	220	443	LS, SH, DTR	
PENN.-FUSSELMAN	6163	- 3474	6163	- 3474	-----	0		UNC
MONTOYA	6163	- 3474	6287	- 3598	124	124	LS	ERD
SIMPSON	6287	- 3598	7300	- 4611	-----	1013	SH, LS, SD	
ELLENBURGER	7300	- 4611	7435	- 4746	-----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : HM - CRANE                      WELL ID NO. : 16A23                      ELEVATION : 2716                      TOTAL DEPTH : 8868  
 OPERATOR : GULF OIL CORP.                      WELL : NO.37 MCKNIGHT  
 LOCATION : 1980 FNL, 1980 FML                      SEC: 30                      TNSP : B-22                      RNG :                      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	133	2583	630	2086	57	497	SH, SD	EST
SANTA ROSA	310	2406	521	2195	47	211	SD, SH	
RUSTLER-SALADO	808	1908	2018	698	----	1210	ANHY	
YATES	2018	698	2180	536	----	162	SD, SH	
WHITEHORSE GROUP	2018	698	3557	- 841	----	1539	LS, ANHY, SD	
SAN ANDRES	3557	- 841	4254	- 1538	----	697	LS, DOL	
GLORIETA EQV	4254	- 1538	4438	- 1722	----	184	SD, DOL	
CLEAR FORK	4438	- 1722	5490	- 2774	----	1052	DOL, SH	
WICHITA	5490	- 2774	6110	- 3394	----	620	DOL, SH	
WOLFCAMP	6110	- 3394	6709	- 3993	260	599	LS, DTR, SH	
PENN.-MISS.	6709	- 3993	6709	- 3993	----	0		UNC
DEVONIAN	6709	- 3993	6950	- 4234	241	241	LS	ERD
SILURIAN	6950	- 4234	7211	- 4495	----	261	SH	
FUSSELMAN	7211	- 4495	7260	- 4544	49	49	LS	
MONTOYA	7260	- 4544	7560	- 4844	300	300	LS	
SIMPSON	7560	- 4844	8650	- 5934	----	1090	SD, SH, LS	
ELLENBURGER	8650	- 5934	8868	- 6152	218+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HM - CRANE                      WELL ID NO. : 16A28                      ELEVATION : 2785                      TOTAL DEPTH : 9179  
 OPERATOR : GULF OIL CORP.                      WELL : NO.810 W. N. MADDELL  
 LOCATION : 1980 FNL, 1980 FEL                      SEC: 7                      TNSP : 8-23                      RNG :                      SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	123	2662	1002	1783	72	879	SH, SD	EST
SANTA ROSA	716	2069	928	1857	52	212	SD, SH	
RUSTLER-SALADO	1077	1708	2210	575	----	1133	ANHY	
YATES	2210	575	2350	435	----	140	SD, SH	
WHITEHORSE GROUP	2210	575	3670	- 885	----	1460	LS, ANHY, SD	
SAN ANDRES	3670	- 885	4595	- 1810	----	925	LS, DOL	
GLORIETA EQV	4595	- 1810	4750	- 1965	----	155	DOL, SD	
CLEAR FORK	4750	- 1965	6023	- 3238	----	1273	DOL, SH	
WICHITA	6023	- 3238	6882	- 4097	----	859	DOL, SH	
WOLFCAMP	6882	- 4097	7670	- 4885	520	788	LS, DTR, SH	
PENNSYLVANIAN	7670	- 4885	8200	- 5415	290	530	LS, SH	
MISSISSIPPIAN	8200	- 5415	8770	- 5985	150	570	LS, SH	
BARNETT	8200	- 5415	8594	- 5809	----	394	SH	
MISS. LS	8594	- 5809	8770	- 5985	----	176	LS	
WOODFORD	8770	- 5985	8925	- 6140	----	155	SH	
DEVONIAN	8925	- 6140	9179	- 6394	254+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MH - CRANE                      WELL ID NO. : 16A32                      ELEVATION : 2655                      TOTAL DEPTH : 11761  
 OPERATOR : AUSTRAL OIL CO.                      WELL : NO.1 UNIV. LANDS  
 LOCATION : 660 FNL, 660 FEL                      SEC: 6                      TNSP : 0031                      RNG :                      SUR : UNIV. LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	80	2575	950	1705	143	870	SH, SD	EST
SANTA ROSA	530	2125	830	1825	68	300	SD, SH	
RUSTLER-SALADO	1054	1601	2190	465	----	1136	ANHY, SLT	
YATES	2190	465	2320	335	----	130	SD, SH	
WHITEHORSE GROUP	2190	465	3454	- 799	----	1264	LS, ANHY, SD	
SAN ANDRES	3454	- 799	4392	- 1737	----	938	LS, DOL	
GLORIETA EQV	4392	- 1737	4530	- 1875	----	138	SD, DOL	
CLEAR FORK	4530	- 1875	5890	- 3235	----	1360	DOL	
WICHITA	5890	- 3235	6650	- 3995	----	760	DOL, SH	
WOLFCAMP	6650	- 3995	7700	- 5045	410	1050	LS, SH, DTR	
PENNSYLVANIAN	7700	- 5045	8455	- 5800	410	755	LS, SH	
MISSISSIPPIAN	8455	- 5800	9170	- 6515	50	715	SH, LS	
BARNETT-CHESTER SH	8455	- 5800	9115	- 6460	----	660	SH	
MISS. LS	9115	- 6460	9170	- 6515	----	55	LS	
WOODFORD	9170	- 6515	9360	- 6705	----	190	SH	
DEVONIAN	9360	- 6705	10274	- 7619	914	914	LS, CHT	
SILURIAN	10274	- 7619	10462	- 7807	----	188	SH	
FUSSELMAN	10462	- 7807	10528	- 7873	66	66	LS, DOL	
MONTOYA	10528	- 7873	10755	- 8100	227	227	LS, DOL	
SIMPSON	10755	- 8100	11680	- 9025	----	925	LS, SH, SD	

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HM - CRANE                      WELL ID NO. : 16A38                      ELEVATION : 2698                      TOTAL DEPTH : 11400  
 OPERATOR : GULF OIL CORP.                      WELL : NO.1 ADAMS  
 LOCATION : 660 FNL, 1980 FW                      SEC: 12                      TNSP : B-24                      RNG :                      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	65	2633	970	1728	113	905	SH, SD	EST
SANTA ROSA	570	2128	838	1860	68	268	SD, SH	
RUSTLER-SALADO	1135	1563	2155	543	----	1020	ANHY, SLT	
YATES	2155	543	2286	412	----	131	SD, DOL, SH	
WHITEHORSE GROUP	2155	543	3518	- 820	----	1363	DOL, ANHY, SD	
SAN ANDRES	3518	- 820	4370	- 1672	----	852	LS, DOL	
GLORIETA EQV	4370	- 1672	4490	- 1792	----	120	SD, DOL	
CLEAR FORK	4490	- 1792	5890	- 3192	----	1400	DOL	
WICHITA	5890	- 3192	6684	- 3986	----	794	DOL, SH	
WOLFCAMP	6684	- 3986	7715	- 5017	410	1031	LS, SH, DTR	
PENNSYLVANIAN	7715	- 5017	8440	- 5742	480	725	LS, SH	
MISSISSIPPIAN	8440	- 5742	8955	- 6257	30	515	SH, LS	
BARNETT-CHESTER	8440	- 5742	8905	- 6207	----	465	SH	
MISS. LS	8905	- 6207	8955	- 6257	----	50	LS	
WOODFORD	8955	- 6257	9105	- 6407	----	150	SH	
DEVONIAN	9105	- 6407	10074	- 7376	969	969	LS, CHT	
SILURIAN	10074	- 7376	10210	- 7512	----	136	SH	
FUSSELMAN	10210	- 7512	10340	- 7642	130	130	LS	
MONTOYA	10340	- 7642	10560	- 7862	220	220	LS	
SIMPSON	10560	- 7862	11308	- 8610	----	748	LS, SH, SD	

WELL ID NO. : 16A38

CONTINUED

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
ELLENBURGER	11308	- 8610	11400	- 8702	92+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HH - CRANE                      WELL ID NO. : 16A44                      ELEVATION : 2763                      TOTAL DEPTH : 12600  
 OPERATOR : ATLANTIC REF.                      WELL : NO.1-36 EVERETT AND GLASS  
 LOCATION : 380 FSL, 2310 FEL                      SEC: 36                      TNSP : 0043                      RNG :                      SUR : TWP 4-S T+P

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	60	2703	1335	1428	130	1275	SH, SD	EST
SANTA ROSA	855	1908	1132	1631	80	277	SD, SH	
RUSTLER-SALADO	1580	1183	2827	- 64	----	1247	ANHY, SLT	
YATES	2827	- 64	3000	- 237	----	173	SD, SH	
WHITEHORSE GROUP	2827	- 64	4328	- 1565	----	1501	LS, ANHY, SD	
SAN ANDRES	4328	- 1565	5740	- 2977	----	1412	LS, DOL, SH	
LEONARD (CF EQV)	5740	- 2977	7870	- 5107	----	2130	DOL, SH	
WOLFCAMP	7870	- 5107	8145	- 5382	175	275	LS, SH, DTR	
PENNSYLVANIAN	8145	- 5382	9700	- 6937	740	1555	LS, SH	
MISSISSIPPIAN	9700	- 6937	10318	- 7555	20	618	SH, LS	
BARNETT	9700	- 6937	10260	- 7497	----	560	SH	
MISS. LS	10260	- 7497	10318	- 7555	----	58	LS	
WOODFORD	10318	- 7555	10447	- 7684	----	129	SH	
DEVONIAN	10447	- 7684	11382	- 8619	935	935	LS, CHT	
SILURIAN	11382	- 8619	11462	- 8699	----	80	SH	
FUSSELMAN	11462	- 8699	11610	- 8847	148	148	LS	
MONTOYA	11610	- 8847	11768	- 9005	158	158	LS	
SIMPSON	11768	- 9005	12510	- 9747	----	742	LS, SH, SD	
ELLENBURGER	12510	- 9747	12600	- 9837	90+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HM - CRANE                      WELL ID NO. : 1685                      ELEVATION : 2354                      TOTAL DEPTH : 5709  
 OPERATOR : GULF OIL CORP.                      WELL : NO.2 JAX M. COWDEN ET AL A  
 LOCATION : 4800 FNEL, 467 FSEL                      SEC: 2                      TNSP : 0001                      RNG :                      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	40	2314	265	2089	37	225	SH, SD	EST
SANTA ROSA	40	2314	185	2169	22	145	SD, SH	
RUSTLER-SALADO	325	2029	1136	1218	----	811	ANHY, SLT	
YATES	1136	1218	1271	1083	----	135	SD, SH	
WHITEHORSE GROUP	1136	1218	2340	14	----	1204	LS, SD, DOL	
SAN ANDRES	2340	14	2925	- 571	----	585	DOL	
GLORIETA	2925	- 571	2950	- 596	----	25	DOL, SD	
CLEAR FORK	2950	- 596	4140	- 1786	----	1190	DOL, SH	
WICHITA	4140	- 1786	4630	- 2276	----	490	DOL, SH	
WOLFCAMP	4630	- 2276	5100	- 2746	350	470	SH, LS, DTR	
PENN.-UPPER SIMPSON	5100	- 2746	5100	- 2746	----	0		UNC
SIMPSON	5100	- 2746	5660	- 3306	----	560	SH, SD, LS	
ELLENBURGER	5660	- 3306	5709	- 3355	49+		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HM - CRANE                      WELL ID NO. : 16864                      ELEVATION : 2536                      TOTAL DEPTH : 8035  
 OPERATOR : GULF OIL CORP.                      WELL : NO.74 W.A. ESTES  
 LOCATION : 1980 FSL, 467 FWL                      SEC: 3                      TNSP : B-28                      RNG :                      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	40	2496	245	2291	25	205	SH, SD	
SANTA ROSA	40	2496	165	2371	25	125	SD, SH ERD,	EST
RUSTLER-SALADO	390	2146	1635	901	----	1245	ANHY, SLT	
YATES	1635	901	1778	758	----	143	SD, SH	
WHITEHORSE GROUP	1635	901	3115	- 579	----	1480	LS, ANHY, SD	
SAN ANDRES	3115	- 579	3715	- 1179	----	600	LS, DOL	
GLORIETA	3715	- 1179	3742	- 1206	----	27	SD, DOL	
CLEAR FORK	3742	- 1206	5116	- 2580	----	1374	DOL, SH	
WICHITA	5116	- 2580	5564	- 3028	----	448	DOL, SH	
WOLFCAMP	5564	- 3028	6109	- 3573	350	545	LS, SH	
PENN.-FUSSELMAN	6109	- 3573	6109	- 3573	----	0		UNC
MONTOYA	6109	- 3573	6542	- 4006	433	433	LS	ERD
SIMPSON	6542	- 4006	7818	- 5282	----	1276	SH, LS, SD	
ELLENBURGER	7818	- 5282	8035	- 5499	217+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HM - CRANE                      WELL ID NO. : 16B77                      ELEVATION : 2530                      TOTAL DEPTH : 6000  
 OPERATOR : GULF OIL CORP.                      WELL : NO.7 J.B. TUBB  
 LOCATION : 1980 FNL, 1980 FEL                      SEC: 21                      TNSP : B-27                      RNG :                      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	130	2400	262	2268	37	132	SD, SH	EST
SANTA ROSA	130	2400	262	2268	37	132	SD, SH	
RUSTLER-SALADO	360	2170	1410	1120	----	1050	ANHY, SLT	
YATES	1410	1120	1538	992	----	128	SD, SH	
WHITEHORSE GROUP	1410	1120	2815	- 285	----	1405	LS, SD	
SAN ANDRES	2815	- 285	3420	- 890	----	605	LS, SD	
GLORIETA	3420	- 890	3460	- 930	----	40	SD, DOL	
CLEAR FORK	3460	- 930	4720	- 2190	----	1260	DOL, SH	
WICHITA	4720	- 2190	5200	- 2670	----	480	SH, DOL	
WOLFCAMP	5200	- 2670	5715	- 3185	170	515	SH, LS, DTR	
PENN-UPPER SIMPSON	5715	- 3185	5715	- 3185	----	0		UNC
SIMPSON	5715	- 3185	5875	- 3345	----	160		ERD
ELLENBURGER	5875	- 3345	6000	- 3470	115+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MH - CRANE                      WELL ID NO. : 16B86                      ELEVATION : 2622                      TOTAL DEPTH : 12158  
 OPERATOR : SHELL OIL CO.                      WELL : NO.A-1 UNIVERSITY JU  
 LOCATION : SW/4 NW/4                      SEC: 25                      TNSP : 0030                      RNG :                      SUR : UNIV. LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	95	2527	1347	1275	132	1252	SH, SD	EST
SANTA ROSA	894	1728	1155	1467	57	261	SD, SH	
RUSTLER-SALADO	1452	1170	2465	157	----	1013	ANHY	
YATES	2465	157	2640	- 18	----	175	SD, SH	
WHITEHORSE GROUP	2465	157	3693	- 1071	----	1228	LS, DOL, SD	
SAN ANDRES	3693	- 1071	4440	- 1818	----	747	DOL, LS	
GLORIETA	4440	- 1818	4480	- 1858	----	40	DOL, SD	
CLEAR FORK EQV	4480	- 1858	5490	- 2868	----	1010	DOL, SH	EST
WICHITA EQV	5490	- 2868	7420	- 4798	----	1930	SH, LS, DOL	EST
WOLFCAMP	7420	- 4798	7930	- 5308	260	510	SH, LS, DTR	
PENNSYLVANIAN	7930	- 5308	9232	- 6610	570	1302	LS, SH	
MISSISSIPPIAN-BARNETT	9232	- 6610	9818	- 7196	0	586	SH	
WOODFORD	9818	- 7196	9941	- 7319	----	123	SH	
DEVONIAN	9941	- 7319	10910	- 8288	969	969	LS	
SILURIAN	10910	- 8288	10954	- 8332	----	44	SH	
FUSSELMAN	10954	- 8332	11090	- 8468	136	136	LS	
MONTOYA	11090	- 8468	11220	- 8598	130	130	LS	
SIMPSON	11220	- 8598	11985	- 9363	----	765	SH, SD, LS	
ELLENBURGER	11985	- 9363	12158	- 9536	173+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MH - CRANE                      WELL ID NO. : 16B99                      ELEVATION : 2434                      TOTAL DEPTH : 6555  
 OPERATOR : MORAN BROS. INC.                      WELL : NO.1 RAYMOND REED  
 LOCATION : 660 FSL, 660 FEL                      SEC: 10                      TNSP : 0004                      RNG :                      SUR : H+TC

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	20	2414	170	2264	45	150	SH, SD	EST
SANTA ROSA	20	2414	95	2339	25	75	SD, SH	
RUSTLER-SALADO	254	2180	1340	1094	----	1086	ANHY, SLT	
YATES	1340	1094	1480	954	----	140	SD, SH	
WHITEHORSE GROUP	1340	1094	2730	- 296	----	1390	LS, SD	
SAN ANDRES	2730	- 296	3292	- 858	----	562	SD, LS	
GLORIETA	3292	- 858	3330	- 896	----	38	DOL, SD	
CLEAR FORK	3330	- 896	4592	- 2158	----	1262	DOL, SH	
WICHITA	4592	- 2158	5020	- 2586	----	428	SH, DOL	
WOLFCAMP	5020	- 2586	5554	- 3120	320	534	LS, DTR, SH	
PENN.-MONTROYA	5554	- 3120	5554	- 3120	----	0		UNC
SIMPSON	5554	- 3120	6138	- 3704	----	584	LS, SH, SD	
ELLENBURGER	6138	- 3704	6535	- 4101	397	397	DOL	
BASEMENT	6535	- 4101	6555	- 4121	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HM - CRANE                      WELL ID NO. : 168103                      ELEVATION : 2427                      TOTAL DEPTH : 8241  
 OPERATOR : GULF OIL CORP.                      WFLI : NO. 589 W.N. WADDELL ET AL  
 LOCATION : 660 FSL, 1980 FEL                      SEC: 72                      TNSP : 000X                      RNG :                      SUR : CCSD+RGNG RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	240	2187	512	1915	47	272	SH, SD	EST
SANTA ROSA	373	2054	512	1915	27	139	SH, SD	
RUSTLER-SALADO	672	1755	1641	786	-----	969	ANHY, SLT	
YATES	1641	786	1782	645	-----	141	SD, SH	
WHITEHORSE GROUP	1641	786	2985	- 558	-----	1344	LS, ANHY, SD	
SAN ANDRES	2985	- 558	3620	- 1193	-----	635	LS, SD	
GLORIETA	3620	- 1193	3650	- 1223	-----	30	DOL, SD	
CLEAR FORK	3650	- 1223	4890	- 2463	-----	1240	DOL, SH	
WICHITA	4890	- 2463	5450	- 3023	-----	560	SH, DOL	
WOLFCAMP	5450	- 3023	5818	- 3391	210	368	SH, LS, DTR	
PFNN-WOODFORD	5818	- 3391	5818	- 3391	-----	0		UNC
DEVONIAN	5818	- 3391	6482	- 4055	664	664	LS	
SILURIAN	6482	- 4055	6590	- 4163	-----	108	SH	
FUSSELMAN	6590	- 4163	6688	- 4261	98	98	LS	
MONTOYA	6688	- 4261	6990	- 4563	302	302	LS	
SIMPSON	6990	- 4563	8170	- 5743	-----	1180	SH, LS, SD	
ELLENBURGER	8170	- 5743	8240	- 5813	-----	70	DOL	
BASEMENT	8240	- 5813	8241	- 5814	-----		GRT	EST TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MH - CRANE                      WELL ID NO. : 168109                      ELEVATION : 2560                      TOTAL DEPTH : 10135  
 OPERATOR : HUMBLE OIL AND REF                      WELL : NO.8-1 G.H. COWDEN  
 LOCATION : 660 FSL, 660 FWL                      SEC: 14                      TNSP : 000X                      RNG :                      SUR : CCSD+RGNG

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	45	2515	740	1820	102	695	SH, SD	EST
SANTA ROSA	280	2280	538	2022	65	258	SD, SH	
RUSTLER-SALADO	823	1737	1824	736	----	1001	ANHY, SLT	
YATES	1824	736	1960	600	----	136	SD, SH	
WHITEHORSE GROUP	1824	736	3079	- 519	----	1255	LS, DOL, SD	
SAN ANDRES	3079	- 519	3878	- 1318	----	799	DOL, LS	
GLORIETA	3878	- 1318	3910	- 1350	----	32	SD, DOL	
CLEAR FORK	3910	- 1350	5150	- 2590	----	1240	DOL	
WICHITA	5150	- 2590	5902	- 3342	----	752	DOL, SH	
WOLFCAMP	5902	- 3342	6904	- 4344	700	1002	LS, SH, DTR	
PENNSYLVANIAN	6904	- 4344	7260	- 4700	310	356	LS, SH	ERD
MISSISSIPPIAN-BARNETT	7260	- 4700	7458	- 4898	70	198	SH, LS	
WOODFORD	7458	- 4898	7675	- 5115	----	217	SH	
DEVONIAN	7675	- 5115	8677	- 6117	1002	1002	LS	
SILURIAN	8677	- 6117	8704	- 6144	----	27	SH	
FUSSELMAN	8704	- 6144	8825	- 6265	121	121	LS	
MONTOYA	8825	- 6265	9030	- 6470	205	205	LS	
SIMPSON	9030	- 6470	9940	- 7380	----	910	SH, SD, LS	
ELLENBURGER	9940	- 7380	10135	- 7575	195+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MH - CRANE                      WELL ID NO. : 16B116                      ELEVATION : 2569                      TOTAL DEPTH : 6300  
 OPERATOR : TEXACO INC                      WELL : NO.1 LILLIE BLACK  
 LOCATION : 1980 FSL, 1980 FWL                      SEC: 20                      TNSP : 0035                      RNG :                      SUR : H+TC

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	45	2524	460	2109	72	415	SH, SD	EST
SANTA ROSA	112	2457	338	2231	52	226	SD	
RUSTLER-SALADO	560	2009	1067	1502	-----	507	ANHY	
YATES	1067	1502	1186	1383	-----	119	SD, SH	
WHITEHORSE GROUP	1067	1502	2228	341	-----	1161	LS, SD, ANHY	
SAN ANDRES	2228	341	2737	- 168	-----	509	LS, DOL	
GLORIETA	2737	- 168	2778	- 209	-----	41	SD, DOL	
CLEAR FORK	2778	- 209	3870	- 1301	-----	1092	DOL, SH	
WICHITA	3870	- 1301	4467	- 1898	-----	597	SH, DOL	
WOLFCAMP	4467	- 1898	5060	- 2491	360	593	LS, DTR, SH	
PENN-FUSSELMAN	5060	- 2491	5060	- 2491	-----	0		UNC
MONTOYA	5060	- 2491	5170	- 2601	110	110	LS	ERD
SIMPSON	5170	- 2601	6220	- 3651	-----	1050	SH, SD, LS	
ELLENBURGER	6220	- 3651	6300	- 3731	70+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 168121      ELEVATION : 2586      TOTAL DEPTH : 8320  
 OPERATOR : TEXAS PACIFIC C+O CO.      WELL : NO.1 T.H. LINTHICUM  
 LOCATION : 1980 FNL, 1980 FWL      SEC: 3      TNSP : 0008      RNG :      SUR : GC+SF

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RUSTLER-SALADO	450	2136	1168	1418	-----	718	ANHY	
YATES	1168	1418	1280	1306	-----	112	SD, SH	
WHITEHORSE GROUP	1168	1418	2210	376	-----	1042	LS, SO	
SAN ANDRES	2210	376	2685	- 99	-----	475	DOL, LS	
GLORIETA EQV	2685	- 99	2882	- 296	-----	197	SD, DOL	
LEONARD (CF-WICH) EQV	2882	- 296	4920	- 2334	-----	2038	DOL, SH	EST
WOLFCAMP	4920	- 2334	5615	- 3029	420	695	SH, DTR, LS	EST
PENNSYLVANIAN	5615	- 3029	6730	- 4144	410	1115	LS, SH	
MISS-WOODFORD	6730	- 4144	6730	- 4144	-----	0		UNC
DEVONIAN	6730	- 4144	7180	- 4594	450	450	LS	ERD
SILURIAN	7180	- 4594	7207	- 4621	-----	27	SH	
FUSSELMAN	7207	- 4621	7282	- 4696	75	75	LS	
MONTOYA	7282	- 4696	7362	- 4776	80	80	LS	
SIMPSON	7362	- 4776	8175	- 5589	-----	813	SH, SO, LS	
ELLENBURGER	8175	- 5589	8320	- 5734	145+		DOL	TD

REMARKS  
 TOPS OF LEONARD, WOLFCAMP, AND PENN. ARE QUESTIONABLE.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17B6      ELEVATION : 2747      TOTAL DEPTH : 9781  
 OPERATOR : STANDARD OF TEXAS      WELL : NO. 4-1  
 LOCATION : 660 FNL, 3300 FEL      SEC: 65      TNSP : 0088      RNG :      SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RUSTLER	1030	1717	1475	1272	----	445	ANHY	ABV
YATES	1475	1272	1605	1142	----	130	SH, SD	
WHITEHORSE GROUP	1475	1272	2590	157	----	1115	LS, SD, ANHY	
SAN ANDRES	2590	157	3350	- 603	----	760	LS, SD	
LEONARD	3350	- 603	5235	- 2488	----	1885	SH, LS, DOL	
SPRABERRY	5235	- 2488	6220	- 3473	----	985	SD, SH	
DEAN	6465	- 3718	6590	- 3843	----	125	SD, SH	
WOLFCAMP	6590	- 3843	8940	- 6193	20	2350	SH, SD, LS	
PENNSYLVANIAN	8940	- 6193	9024	- 6277	70	84	LS	
MISS. - WOODFORD	9024	- 6277	9024	- 6277	----	0		UNC
DEVONIAN	9024	- 6277	9260	- 6513	236	236	LS	
SILURIAN SHALE	9260	- 6513	9280	- 6533	----	20	SH	
FUSSELMAN	9280	- 6533	9365	- 6618	85	85	LS	
SIMPSON	9365	- 6618	9500	- 6753	135	135	SH, LS	
ELLENBURGER	9500	- 6753	9781	- 7034	281+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17813      ELEVATION : 2526      TOTAL DEPTH : 9489  
 OPERATOR : KING RESOURCES      WELL : NO.1 CONTINENTAL-HARRIS  
 LOCATION : 660 FSL, 660 FWL      SEC:      TNSP : 0003      RNG :      SUR : W.C. RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	605	1921	770	1756	0	165	SH	EST
RUSTLER	885	1641	1540	986	----	655	ANHY, DOL	
YATES	1540	986	1695	831	----	155	SD, SH	
WHITEHORSE GROUP	1540	986	3140	- 614	----	1600	LS, ANHY, SD	
SAN ANDRES	3140	- 614	3822	- 1296	----	682	LS, SD	
LEONARD	3822	- 1296	5220	- 2694	----	1398	SH, LS, DOL	
SPRABERRY	5220	- 2694	6380	- 3854	----	1160	SD, SH	
DEAN	6380	- 3854	6500	- 3974	----	120	SD, SH	
WOLFCAMP	6500	- 3974	7930	- 5404	140	1430	SH, DTR, SD	
PENNSYLVANIAN	7930	- 5404	8610	- 6084	375	680	LS	
MISS. - WOODFORD	8610	- 6084	8610	- 6084	----	0		UNC
DEVONIAN	8610	- 6084	8940	- 6414	330	330	LS	ERD
FUSSELMAN	8940	- 6414	8955	- 6429	15	15	LS	
SYLVAN SH	8955	- 6429	9020	- 6494	----	65	SH	
SIMPSON	9020	- 6494	9350	- 6824	----	330	LS, SH	ERD
ELLENBURGER	9350	- 6824	9489	- 6963	139+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MJ - CROCKETT      WELL ID NO. : 17C14      ELEVATION : 2544      TOTAL DEPTH : 7900  
 OPERATOR : STD. OF TEXAS      WELL : NO.3 SHANNON ESTATE  
 LOCATION : 1980 FSL, 660 FWL      SEC: 4      TNSP : 0088      RNG :      SUR : EL+RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	700	1844	700	1844	----	0	ERD	UNC
RUSTLER	805	1739	1175	1369	----	370	ANHY	
YATES	1175	1369	1310	1234	----	135	SH, SD	
WHITEHORSE GROUP	1175	1369	2090	454	----	915	LS, SD, ANHY	
SAN ANDRES	2090	454	2855	- 311	----	765	LS, SD	
LEONARD	2855	- 311	4420	- 1876	----	1565	SH, LS	
SPRABERRY	4420	- 1876	5370	- 2826	----	950	SD, SH	
DEAN	5420	- 2876	5520	- 2976	----	100	SD, SH	
WOLFCAMP	5520	- 2976	7020	- 4476	180	1500	SH, SD, LS	
PENNSYLVANIAN	7020	- 4476	7250	- 4706	150	230	LS	
MISS. - UPPER SIMPSON	7250	- 4706	7250	- 4706	----	0		UNC
SIMPSON	7250	- 4706	7400	- 4856	----	150	LS, SH	ERD
ELLENBURGER	7400	- 4856	7900	- 5356	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17C16      ELEVATION : 2740      TOTAL DEPTH : 7842  
 OPERATOR : ANADARKA PROD. CO.      WELL : NO.1-A SOUTHLAND-TODD  
 LOCATION : 1980 FSL, 1980 FWL      SEC: 11      TNSP : 00WX      RNG :      SUR : 6C+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC - YATES	910	1830	910	1830	----	0	ERD	UNC
WHITEHORSE GROUP	910	1830	1765	975	----	855	SH, LS	ERD
SAN ANDRES	1765	975	2550	190	----	785	LS, SD	
LEONARD	2550	190	4300	- 1560	----	1750	SH, LS, SD	
SPRABERRY	4300	- 1560	5265	- 2525	----	965	SD, SH	
DEAN EQV	5350	- 2610	5445	- 2705	----	95	SD, SH	EST
WOLFCAMP	5445	- 2705	7092	- 4352	60	1647	SH, SD	
PENNSYLVANIAN	7092	- 4352	7380	- 4640	240	288	LS	
MISS. - UPPER SIMPSON	7380	- 4640	7380	- 4640	----	0		UNC
SIMPSON	7380	- 4640	7640	- 4900	----	260	LS, SH, SD	ERD
ELLENBURGER	7640	- 4900	7842	- 5102	202+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17C19      ELEVATION : 2458      TOTAL DEPTH : 8425  
 OPERATOR : SHELL OIL CO.      WELL : NO.1-9 BAGGETT  
 LOCATION : 660 FSL, 2906 FWL      SEC: 9      TNSP : 000P      RNG :      SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC - YATES	510	1948	510	1948	0	0		UNC
WHITEHORSE GROUP	510	1948	1298	1160	----	788	LS, SD, SH	ERD
SAN ANDRES	1298	1160	2155	303	----	857	LS, SD	
LEONARD	2155	303	3875	- 1417	----	1720	SH, LS, DOL	
SPRABERRY	3875	- 1417	4900	- 2442	----	1025	SD, SH	
DEAN	4990	- 2532	5105	- 2647	----	115	SD, SH	
WOLFCAMP	5105	- 2647	8290	- 5832	70	3185	SH, SD, LS	
PENNSYLVANIAN	8290	- 5832	8350	- 5892	20	60	LS, DTR	
MISS. - SIMPSON	8350	- 5892	8350	- 5892	----	0		UNC
ELLENBURGER	8350	- 5892	8425	- 5967	75+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17C21      ELEVATION : 2489      TOTAL DEPTH : 8335  
 OPERATOR : DELTA DRILLING CO.      WELL : NO.1-A FRIEND  
 LOCATION : 591 FNL, 1768 FWL      SEC: 93      TNSP : 00GH      RNG :      SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	600	1889	975	1514	----	375	SD, LS ERD	EST
SAN ANDRES	975	1514	1805	684	----	830	LS, SD, SH	EST
LEONARD	1805	684	3486	- 997	----	1681	SD, SH, LS	EST
SPRABERRY	3486	- 997	4444	- 1955	----	958	SD, SH	
DEAN	4537	- 2048	4650	- 2161	----	113	SD, SH	
WOLFCAMP	4650	- 2161	8194	- 5705	40	3544	SH, SD, LS	
PENNSYLVANIAN	8194	- 5705	8242	- 5753	25	48	LS, DTR	
MISS. - SIMPSON	8242	- 5753	8242	- 5753	----	0		UNC
ELLENBURGER	8242	- 5753	8335	- 5846	93+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17C22      ELEVATION : 2503      TOTAL DEPTH : 9138  
 OPERATOR : TEXACO INC.      WELL : NO.1 NCT-1 DAVIDSON  
 LOCATION : 600 FNL, 600 FWL      SEC: 5      TNSP : 00KL      RNG :      SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	665	1838	765	1730	-----	100	LS, SD ERD	EST
SAN ANDRES	765	1738	1610	893	-----	845	LS, SD	EST
LEONARD	1610	893	3290	- 787	-----	1680	SH, SD, LS	EST
SPRINGERY	3290	- 787	4230	- 1727	-----	940	SD, SH	
DEAN	4345	- 1842	4462	- 1959	-----	117	SD, SH	
WOLFCAMP	4462	- 1959	8505	- 6002	60	4043	SH, SH, LS	
PENNSYLVANIAN	8505	- 6002	8600	- 6097	70	95	LS, SH	
MISS. - FUSSELMAN	8600	- 6097	8600	- 6097	-----	0		UNC
MONTGUA	8600	- 6097	8770	- 6267	170	170	DOL, LS	
SIMPSON	8770	- 6267	8872	- 6369	-----	102	SH, LS	
ELLENBURGER	8872	- 6369	9138	- 6635	266+		DOL	TD

REMARKS  
 PENN. LS APPEARS TO HAVE GOOD POROSITY.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17C23      ELEVATION : 2461      TOTAL DEPTH : 10010  
 OPERATOR : DELTA DRILLING CO.      WELL : NO.1 MCMULLAN  
 LOCATION : 860 FWL, 660 FSL      SEC: 3      TNSP : 000F      RNG :      SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	555	1906	690	1771	----	135	LS, SD ERD	EST
SAN ANDRES	690	1771	1720	741	----	1030	LS, SD	EST
LEONARD	1720	741	3050	- 589	----	1330	SH, SD, LS	EST
SPRABERRY	3050	- 589	3980	- 1519	----	930	SD, SH	
DEAN	4078	- 1617	4200	- 1739	----	122	SD, SH	
WOLFCAMP	4200	- 1739	9018	- 6557	250	4818	SH, SD, DTR	
PENNSYLVANIAN	9018	- 6557	9292	- 6831	135	274	LS, SH	
MISS. - FUSSELMAN	9292	- 6831	9292	- 6831	----	0		UNC
MONTOYA	9292	- 6831	9490	- 7029	198	198	LS	ERD
SIMPSON	9490	- 7029	9595	- 7134	----	105	SH, LS	
ELLENBURGER	9595	- 7134	10010	- 7549	415+		DOL	TD

REMARKS  
 LOWER PART OF ELLENBURGER APPEARS TO HAVE GOOD POROSITY.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17C24      ELEVATION : 2383      TOTAL DEPTH : 10235  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO.1-CV STATE UNIVERSITY  
 LOCATION : 751 FWL, 576 FSL      SEC: 19      TNSP : 0033      RNG :      SUR : UNIV. LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC - YATES	570	1813	570	1813	0	0	ERD	UNC
WHITEHORSE GROUP	570	1813	1300	1083	----	730	SH, LS, SD	ERD
SAN ANDRES	1300	1083	2275	108	----	975	LS, SD	
LEONARD	2275	108	4000	- 1617	----	1725	SH, LS, SD	
SPRABERRY	4000	- 1617	4800	- 2417	----	800	SD, SH	
DEAN	4850	- 2467	4960	- 2577	----	110	SD, SH	
WOLFCAMP	4960	- 2577	8420	- 6037	50	3460	SH	
PENNSYLVANIAN	8420	- 6037	8570	- 6187	120	150	LS	
MISS. - WOODFORD	8570	- 6187	8570	- 6187	----	0		UNC
DEVONIAN	8570	- 6187	8730	- 6347	160	160	LS	
FUSSELMAN	8730	- 6347	8775	- 6392	45	45	LS	
SYLVAN SHALE	8775	- 6392	8800	- 6417	----	25	SH	
SIMPSON	8800	- 6417	9300	- 6917	----	500	LS, SH, SD	
ELLENBURGER	9300	- 6917	10235	- 7852	935+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MJ - CROCKETT      WELL ID NO. : 17C28      ELEVATION : 2690      TOTAL DEPTH : 9190  
 OPERATOR : MONSANTO      WELL : NO.1 ALEX  
 LOCATION : 1980 FEL, 660 FNL      SEC: 20      TNSP : 00BB      RNG :      SUR : EL+RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	980	1710	980	1710	----	0	EST	UNC
RUSTLER	1130	1560	1515	1175	----	385	ANHY	
YATES	1515	1175	1635	1055	----	120	SD, SH	
WHITEMORSE GROUP	1515	1175	2490	200	----	975	LS, SD	
SAN ANDRES	2490	200	3130	- 440	----	640	LS, SD	
LEONARD	3130	- 440	5000	- 2310	----	1870	SH, LS	
SPRABERRY	5000	- 2310	5950	- 3260	----	950	SD, SH	
DEAN	6110	- 3420	6215	- 3525	----	105	SD, SH	
WOLFCAMP	6215	- 3525	8100	- 5410	220	1885	SH	
PENNSYLVANIAN	8100	- 5410	8640	- 5950	360	540	LS	
MISS. - WOODFORD	8640	- 5950	8640	- 5950	----	0		UNC
DEVONIAN	8640	- 5950	8780	- 6090	140	140	LS	
FUSSELMAN	8780	- 6090	8825	- 6135	45	45	LS	
SYLVAN SHALE	8825	- 6135	8850	- 6160	----	25	SH	
SIMPSON	8850	- 6160	9110	- 6420	----	260	SH, LS	
ELLENBURGER	9110	- 6420	9190	- 6500	----		UOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 1707      ELEVATION : 2207      TOTAL DEPTH : 12251  
 OPERATOR : SIGNAL OIL AND GAS      WELL : NO.2 HENDERSON  
 LOCATION : 6400 FSL, 1800 FWL      SEC: 100      TNSP :      RNG :      SUR : LOUISA ICE

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	490	1717	1770	437	----	1280	LS, SD, ERD	EST
LEONARD	1770	437	2950	- 743	----	1180	SH, LS	
SPRABERRY	2950	- 743	3940	- 1733	----	990	SD, SH	
DEAN	4060	- 1853	4205	- 1998	----	145	SD, SH	
WOLFCAMP	4205	- 1998	10410	- 8203	40	6205	SH, SD, LS	
PENNSYLVANIAN	10410	- 8203	10710	- 8503	220	300	LS, SH	
MISS. - WOODFORD	10710	- 8503	10710	- 8503	----	0		UNC
DEVONIAN	10710	- 8503	11050	- 8843	340	340	LS	
FUSSELMAN	11050	- 8843	11120	- 8913	70	70	LS	
SYLVAN SHALE	11120	- 8913	11215	- 9008	----	95	SH	EQV
MONTOYA	11215	- 9008	11215	- 9008	0	0		EQV
SIMPSON	11215	- 9008	11758	- 9551	----	543	SH, LS, SD	
ELLENBURGER	11758	- 9551	12251	- 10044	493+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17D10      ELEVATION : 2251      TOTAL DEPTH : 15050  
 OPERATOR : SOCONY MOBIL OIL CO.      WELL : NO.1 KRUEGER  
 LOCATION : 1980 FNL, 660 FEL      SEC: 35      TNSP : UQ-3      RNG :      SUR : TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
LEONARD	1080	1171	1895	356	----	815	SH, SD, ERD	EST
WOLFCAMP	1895	356	11952	- 9701	30	10057	SH, SD	EST
PENNSYLVANIAN	11952	- 9701	12065	- 9814	100	113	LS	
MISSISSIPPIAN-BARNETT	12065	- 9814	12110	- 9859	10	45	SH, LS	
WOODFORD	12110	- 9859	12157	- 9906	----	47	SH	
DEVONIAN	12157	- 9906	12550	-10299	393	393	LS	
FUSSELMAN	12550	-10299	12606	-10355	56	56	LS	
SYLVAN SHALE	12606	-10355	12765	-10514	----	159	SH	EQV
MONTOYA	12765	-10514	12765	-10514	0	0		EQV
SIMPSON	12765	-10514	13494	-11243	----	729	LS, SH	
ELLENBURGER	13494	-11243	14977	-12726	1483	1483	DOL	
PRE-CAMBRIAN	14977	-12726	15050	-12799	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17D12      ELEVATION : 2295      TOTAL DEPTH : 10690  
 OPERATOR : PHILLIPS PETR. CO.      WELL : NO.1-A WARD  
 LOCATION : 990 FSL, 990 FEL      SEC: 20      TNSP : 0016      RNG :      SUR : GC+SF RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
LEONARD	855	1440	2395	- 100	----	1540	SH, SD	EST
SPRABERRY	2395	- 100	3255	- 960	----	860	SD, SH	
DEAN	3360	- 1065	3486	- 1191	----	126	SD, SH	
WOLFCAMP	3486	- 1191	9642	- 7347	35	6156	SH	
PENNSYLVANIAN	9642	- 7347	9908	- 7613	140	266	LS, SH	
MISS. - WOODFORD	9908	- 7613	9908	- 7613	----	0		UNC
DEVONIAN	9908	- 7613	9990	- 7695	82	82	LS	
FUSSELMAN	9990	- 7695	10055	- 7760	65	65	LS	
MONTOYA	10055	- 7760	10210	- 7915	155	155	LS, DOL	
SIMPSON	10210	- 7915	10380	- 8085	----	170	SH, LS	
ELLENBURGER	10380	- 8085	10690	- 8395	310+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17D13      ELEVATION : 2249      TOTAL DEPTH : 11710  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO-1 MILLER RANCH  
 LOCATION : 660 FNL, 660 FWL OF E/2      SEC: 6      TNSP : 0000      RNG 1      SUR : W.E. JONES

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
LEONARD	1000	1249	1316	933	----	316	SD, SH ERD	EST
SPRABERRY EQV	1316	933	2675	- 426	----	1359	SD, SH	EST
DEAN EQV	2810	- 561	2935	- 686	----	125	SD, SH	
WOLFCAMP	2935	- 686	10015	- 7766	50	7080	SH, SD	EST
PENNSYLVANIAN	10015	- 7766	10520	- 8271	300	505	LS, SH	
MISS. - WOODFORD	10520	- 8271	10520	- 8271	----	0	LS, CHT	UNC
DEVONIAN	10520	- 8271	10688	- 8439	168	168	LS	
FUSSELMAN	10688	- 8439	10830	- 8581	142	142	LS	EST
MONTOYA	10830	- 8581	11010	- 8761	180	180	LS	
SIMPSON	11010	- 8761	11330	- 9081	----	320	SH, LS	
ELLENBURGER	11330	- 9081	11710	- 9461	380+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MJ - CROCKETT      WELL ID NO. : 17D14      ELEVATION : 2158      TOTAL DEPTH : 12985  
 OPERATOR : ATLANTIC REF.      WELL : NO.1-28 MASSIE WEST  
 LOCATION : 820 FNL, 1320 FWL      SEC: 28      TNSP : 0000      RNG :      SUR : GH+SA

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
LEONARD (UNDIFF.)	1000	1158	3390	- 1232	----	2390	SH, SD ERD	EST
DEAN EQV	3390	- 1232	3490	- 1332	----	100	SD, SH	EST
WOLFCAMP	3490	- 1332	11142	- 8984	60	7652	SH	EST
PENNSYLVANIAN	11142	- 8984	11560	- 9402	280	418	LS, SH	
MISS. - WOODFORD	11560	- 9402	11560	- 9402	----	0		UNC
DEVONIAN	11560	- 9402	11642	- 9484	82	82	LS	
FUSSELMAN	11642	- 9484	11770	- 9612	128	128	LS	
MONTOYA	11770	- 9612	11995	- 9837	225	225	LS	
SIMPSON	11995	- 9837	12510	-10352	----	515	SH, LS, SD	
ELLENBURGER	12510	-10352	12985	-10827	475+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MJ - CROCKETT      WELL ID NO. : 17D16      ELEVATION : 2317      TOTAL DEPTH : 13695  
 OPERATOR : SHELL OIL CO.      WELL : NO.1 MITCHELL  
 LOCATION : 660 FSL, 330 FEL      SEC: 3      TNSP : 00-6      RNG :      SUR : TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
LEONARD	1005	1312	2522	- 205	----	1517	SH, LS	EST
WOLFCAMP	2522	- 205	11058	- 8741	110	8536	SH	
PENN. - WOODFORD	11058	- 8741	11058	- 8741	----	0		UNC
DEVONIAN	11058	- 8741	11412	- 9095	354	354	LS	
FUSSELMAN	11412	- 9095	11451	- 9134	39	39	LS, SH	
SYLVAN SHALE	11451	- 9134	11530	- 9213	----	79	SH	EQV
MONTÓYA	11530	- 9213	11530	- 9213	0	0		EQV
SIMPSON	11530	- 9213	12188	- 9871	----	658	SH, LS, SD	
ELLENBURGER	12188	- 9871	13620	-11303	1432	1432	DOL	
PRE-CAMBRIAN	13620	-11303	13695	-11378	----		GRT	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HJ - CROCKETT      WELL ID NO. : 17D17      ELEVATION : 1983      TOTAL DEPTH : 11500  
 OPERATOR : BARNETT SERIO EXPLOR.      WELL : NO.1-43 BARNES  
 LOCATION : 1320 FSL, 1320 FEL      SEC: 43      TNSP : 0000      RNG :      SUR : GH+SA RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
LEONARD (UNDIFF.)	830	1153	3790	- 1807	----	2960	SH,SD ERD	EST
DEAN EQV	3790	- 1807	3895	- 1912	----	105	SD, SH	
WOLFCAMP	3895	- 1912	11273	- 9290	20	7378	SH	EST
PENNSYLVANIAN	11273	- 9290	11500	- 9517	80		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : MK - CROSBY      WELL ID NO. : 10A3      ELEVATION : 3094      TOTAL DEPTH : 8807  
 OPERATOR : UUGGER AND HERRING      WELL : NO.1 SPACEK  
 LOCATION : 660 FNL, 660 FEL      SEC :      TNSP :      RNG :      SUR : LAB 51, MORRIS CSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	356	2738	937	2157	132	581	SH, SD	EST
SANTA ROSA	692	2402	840	2254	87	148	SD, SH	
RUSTLER	1134	1960	1470	1624	----	336	ANHY	
YATES	1470	1624	1621	1473	----	151	SD, SH	
WHITEHORSE GROUP	1470	1624	3095	- 1	----	1625	SD,LS,ANHY	
SAN ANDRES	3095	- 1	3733	- 639	----	638	LS, DOL	
GLORIETA	3733	- 639	3996	- 902	----	263	SD, DOL	
CLEAR FORK	3996	- 902	5357	- 2263	----	1361	DOL	
WICHITA	5357	- 2263	6660	- 3566	----	1303	DOL, SH	EST
WOLFCAMP	6660	- 3566	8570	- 5476	250	1910	SH, LS	
PENNSYLVANIAN	8570	- 5476	8807	- 5713	----		LS, SH	TD

REMARKS  
 APPARENT GOOD POROSITY IN WICHITA SECTION 5500 - 5900.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HK - CROSBY            WELL ID NO. : 10A4            ELEVATION : 3073            TOTAL DEPTH : 3073  
 OPERATOR : GULF OIL CORP.            WELL : NO.1-X M. NIENDORFF EST. TR2  
 LOCATION : 710 FNL, 1695 FEL            SEC: 19    TNSP : 0001            RNG :            SUR : I+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	348	2725	880	2193	115	532	SH, SD	EST
SANTA ROSA	556	2517	792	2281	75	236	SD, SH	EST
RUSTLER	1100	1973	1430	1643	----	330	ANHY	
YATES	1430	1643	1586	1487	----	156	SD, SH	
WHITEHORSE GROUP	1430	1643	2420	653	----	990	SD,LS,ANHY	
SAN ANDRES	2420	653	3652	- 579	----	1232	LS, DOL, SD	
GLORIETA	3652	- 579	3900	- 827	----	248	SD, DOL	
CLEAR FORK	3900	- 827	5226	- 2153	----	1326	DOL	
WICHITA	5226	- 2153	6583	- 3510	----	1357	DOL, SH	
WOLFCAMP	6583	- 3510	8560	- 5487	175	1977	SH, LS	
PENNSYLVANIAN	8560	- 5487	8980	- 5907	80	420	LS, SH	
MISSISSIPPIAN	8980	- 5907	9336	- 6263	356	356	LS	
ELLENBURGER	9336	- 6263	9471	- 6398	135	135	DOL	EST
PRE-CAMBRIAN	9471	- 6398	9537	- 6464	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HK - CHOSBY      WELL ID NO. : 10A5      ELEVATION : 3031      TOTAL DEPTH : 9224  
 OPERATOR : NORSWORTHY      WELL : NO.1 LOCASIO  
 LOCATION : 660 FNL, 660 FEL      SEC: 26      TNSP : 0002      RNG :      SUR : WC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	360	2671	872	2159	88	512	SH, SD	EST
SANTA ROSA	582	2449	782	2249	48	200	SD, SH	
RUSTLER	1041	1990	1370	1661	----	329	ANHY	
YATES	1370	1661	1532	1499	----	162	SD, SH	
WHITEHORSE GROUP	1370	1661	2395	636	----	1025	SD, LS, ANHY	
SAN ANDRES	2395	636	3586	- 555	----	1191	LS, DOL, SD	
GLORIETA	3586	- 555	3850	- 819	----	264	SD, DOL	
CLEAR FORK	3850	- 819	5200	- 2169	----	1350	DOL	
WICHITA	5200	- 2169	6220	- 3189	----	1020	DOL	
WOLFCAMP	6220	- 3189	8257	- 5226	180	2037	SH, LS	
PENNSYLVANIAN	8257	- 5226	8760	- 5729	150	503	LS, SH	
MISSISSIPPIAN	8760	- 5729	9040	- 6009	280	280	LS	
ELLENBURGER	9040	- 6009	9120	- 6089	80	80	DOL	EST
PRE-CAMBRIAN	9120	- 6089	9224	- 6193	----		GRT	TU

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
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JUN 1971

COUNTY : HK - CROSBY      WELL ID NO. : 10B15      ELEVATION : 2883      TOTAL DEPTH : 4100  
 OPERATOR : SMITH DRLG. CO.      WELL : NO.1 COLLIER  
 LOCATION : 467 FNL, 467 FEL      SEC: 7      TNSP : 0002      RNG :      SUR : D+SE RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	216	2667	881	2002	95	665	SH, SD	EST
SANTA ROSA	580	2303	786	2097	65	206	SD, SH	
RUSTLER	1095	1788	1469	1414	----	374	ANHY	
YATES	1469	1414	1614	1269	----	145	SD, SH	
WHITEHORSE GROUP	1469	1414	2505	378	----	1036	SD, LS, SH	
SAN ANDRES	2505	378	3825	- 942	----	1320	LS, SD, DOL	
GLORIETA	3825	- 942	4010	- 1127	----	185	SD, DOL	
CLEAR FORK EQV.	4010	- 1127	4100	- 1217	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14A1      ELEVATION : 5308      TOTAL DEPTH : 6650  
 OPERATOR : PURE OIL CO.      WELL : NO.1 HUNTER  
 LOCATION : 1701 FSL, 1277 FWL      SEC: 34      TNSP : 0066      RNG :      SUR : T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
PENNSYLVANIAN	3225	2083	4530	778	130	1305	LS, SH	
MISSISSIPPIAN	4530	778	5180	128	40	650	SH, LS	
BARNETT	4530	778	5018	290	----	488	SH	
MISS. LS	5018	290	5180	128	----	162	LS	
WOODFORD	5180	128	5345	- 37	----	165	SH	
SILURO-DEVONIAN	5345	- 37	6400	- 1092	1055	1055	LS,DOL,CHT	
MONTOYA	6400	- 1092	6550	- 1242	150	150	LS	
SIMPSON	6550	- 1242	6610	- 1302	----	60	SH, LS	
ELLENBURGER	6610	- 1302	6650	- 1342	40+	40	DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14A3      ELEVATION : 4421      TOTAL DEPTH : 7025  
 OPERATOR : BONANZA OIL CORP.      WELL : NO.1 PIERSON  
 LOCATION : 660 FSL, 660 FWL      SEC: 26      TNSP : 0064      RNG :      SUR : T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN. GROUP	40	4381	2964	1457	----	2924	SD, SH SUR	ERD
LEONARD (BONE SPRING)	2964	1457	5530	- 1109	----	2566	LS, SH, SD	
WOLFCAMP	5530	- 1109	6376	- 1955	120	846	SH, SD, DTR	
PENNSYLVANIAN	6376	- 1955	7025	- 2604	----		LS, SH	TD

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CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON WELL ID NO. : 14A5 ELEVATION : 3926 TOTAL DEPTH : 12555

OPERATOR : CONTINENTAL OIL CO. WELL : NO.1 POKOHNY

LOCATION : 660 FSL, 1980 FEL SEC: 18 TNSP : 0061 RNG : SUR : TWP-1 T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DELAWARE MTN. GROUP	1255	2671	4725	- 799	----	3470	SD, SH, LS	
LEONARD (BONE SPRING)	4725	- 799	7455	- 3529	----	2730	SH, LS, SD	
WOLFCAMP	7455	- 3529	8775	- 4849	0	1320	SH, SD	
PENNSYLVANIAN	8775	- 4849	9915	- 5989	650	1140	LS, SH	
MISSISSIPPIAN	9915	- 5989	10780	- 6854	30	865	SH, LS	
BARNETT	9915	- 5989	10615	- 6689	----	700	SH	
MISS. LS	10615	- 6689	10780	- 6854	----	165	LS	
WOODFORD	10780	- 6854	10900	- 6974	----	120	SH	
SILURO-DEVONIAN	10900	- 6974	11790	- 7864	890	890	LS, CHT	
MONTOYA	11790	- 7864	12140	- 8214	350	350	LS, DO	
SIMPSON	12140	- 8214	12317	- 8391	----	177	SH, LS	
ELLENBURGER	12317	- 8391	12555	- 8629	238*		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14A9      ELEVATION : 3911      TOTAL DEPTH : 11650  
 OPERATOR : MAGNOLIA PETR. CO.      WELL : NO.A-1 COWDEN  
 LOCATION : 1980 FSL. 660 FEL      SEC: 12      TNSP : 0063      RNG :      SUR : TWP-2 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN. GROUP	30	3881	3010	901	----	2980	SUR	ERD
LEONARD (BONE SPRING)	3010	901	5690	- 1779	----	2680	LS, SD, SH	
WOLFCAMP	5690	- 1779	7250	- 3339	60	1560	SH	
PENNSYLVANIAN	7250	- 3339	8470	- 4559	450	1220	LS, SH	
MISSISSIPPIAN	8470	- 4559	9630	- 5719	60	1160	SH, LS, IGR	
BARNETT	8470	- 4559	9440	- 5529	----	970	SH, IGR	
IGNEOUS SILL OR PLUGI	8738	- 4827	9120	- 5209	----	382	GR	
MISS. LS	9440	- 5529	9630	- 5719	----	190	LS	
WOODFORD	9630	- 5719	9758	- 5847	----	128	SH	
SILURO-DEVONIAN	9758	- 5847	10710	- 6799	952	952	LS, CHT	
MONTOYA	10710	- 6799	11052	- 7141	342	342	DOL, LS	
SIMPSON	11052	- 7141	11250	- 7339	----	198	SH, LS	
ELLENBURGER	11250	- 7339	11650	- 7739	400+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14A11      ELEVATION : 4791      TOTAL DEPTH : 8619  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO.1 SIBLEY  
 LOCATION : 1266 FNL, 1638 FWL      SEC: 24      TNSP : 0068      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DELAWARE MTN. GROUP	30	4761	1325	3466	----	1295	SD, SH SUR	ERD
LEONARD (BONE SPRING)	1325	3466	4520	271	----	3195	SH, LS	
WOLFCAMP	4520	271	7560	- 2769	0	3040	SH, SD	
PENNSYLVANIAN	7560	- 2769	8619	- 3828	280		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14A12      ELEVATION : 4278      TOTAL DEPTH : 12350  
 OPERATOR : TEXACO INC.      WELL : NO.1-EV STATE OF TEXAS  
 LOCATION : 660 FSL, 1980 FEL      SEC: 14      TNSP : 0046      RNG :      SUR : UNIVERSITY

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DELAWARE MTN. GROUP	415	3863	3794	484	-----	3379	SD, LS, SH	
LEONARD (BONE SPRING)	3794	484	6595	- 2317	-----	2801	SH, LS, SD	
WOLFCAMP	6595	- 2317	10192	- 5914	30	3597	SH	
PENNSYLVANIAN	10192	- 5914	11060	- 6782	290	868	LS, SH	
MISSISSIPPIAN	11060	- 6782	12115	- 7837	40	1055	SH, LS	
BARNETT	11060	- 6782	11960	- 7682	-----	900	SH	
MISS. LS	11960	- 7682	12115	- 7837	-----	155	LS	
WOODFORD	12115	- 7837	12225	- 7947	-----	110	SH	
SILURO-DEVONIAN	12225	- 7947	12350	- 8072	125*		LS, CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HJ - CULBERSON      WELL ID NO. : 14A13      ELEVATION : 3261      TOTAL DEPTH : 15767  
 OPERATOR : SINCLAIR OIL CO.      WELL : NO.1 STATE CULBERSON  
 LOCATION : 660 FSL, 660 FWL      SEC: 13      TNSP : 0111      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPT: BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE M <sub>TN</sub> . GROUP	2225	1036	5750 - 2489	----	3525	SD, LS, SH	
LEONARD (BONE SPRING)	5750	- 2489	8730 - 5469	----	2980	SH, SD, LS	
WOLFCAMP	8730	- 5469	14230 - 10969	0	5500	SH	
PENNSYLVANIAN	14230	-10969	14360 - 11099	30	130	LS, SH	
MISSISSIPPIAN	14360	-11099	15395 - 12134	20	1035	SH, LS	
BARNETT	14360	-11099	15250 - 11989	----	890	SH	
MISS. LS	15250	-11989	15395 - 12134	----	145	LS	
WOODFORD	15395	-12134	15490 - 12229	----	95	SH	
SILURO-DEVONIAN	15490	-12229	15767 - 12506	277*		LS, CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HI - CULBERSON      WELL ID NO. : 14414      ELEVATION : 4157      TOTAL DEPTH : 10402  
 OPERATOR : HUNT OIL CO.      WELL : NO.1 ROUNSAVILLE  
 LOCATION : 660 FSL, 660 FWL      SEC: 22      TNSP : 0108      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN. GROUP	425	3732	3810	347	----	3385	SD, SH	
LEONARD (BONE SPRING)	3810	347	6600	- 2443	----	2790	SH, LS, SD	
WOLFCAMP	6600	- 2443	10402	- 6245	60		SH, LS, SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14A15      ELEVATION : 3876      TOTAL DEPTH : 14450  
 OPERATOR : CONTINENTAL OIL CO.      WELL : NO.1 NEVILL-STATE  
 LOCATION : 1980 FSL, 1980 FEL      SEC: 17      TNSP : 0042      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN. GROUP	1640	2236	5265	- 1389	----	3625	SD, SH	
LEONARD (BONE SPRING)	5265	- 1389	7840	- 3964	----	2575	SH, LS, SD	
WOLFCAMP	7840	- 3964	13515	- 9639	280	5675	SH, SD, LS	
PENNSYLVANIAN	13515	- 9639	13690	- 9814	90	175	LS, SH	
MISSISSIPPIAN	13690	- 9814	14285	-10409	30	595	SH, LS	
BARNETT	13690	- 9814	14220	-10344	----	530	SH	
MISS. LS	14220	-10344	14285	-10409	----	65	LS	
WOODFORD	14285	-10409	14390	-10514	----	105	SH	
SILURO-DEVONIAN	14390	-10514	14450	-10574	60+		LS, CHT	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14A21      ELEVATION : 3202      TOTAL DEPTH : 4150  
 OPERATOR : CONTINENTAL      WELL : NO.4-2 RUSSELL  
 LOCATION : 330 FSL, 330 FEL      SEC: 4      TNSP : 0058      RNG :      SUR : TWP-2 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RUSTLER-SALADO	170	3032	2538	664	----	2368	ANHY, DOL	EST
DELAWARE MTN. GROUP	2538	664	4150	- 948	----		SD, LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 197

COUNTY : HL - CULBERSON      WELL ID NO. : 14422      ELEVATION : 3787      TOTAL DEPTH : 3010  
 OPERATOR : L.D. CRUMLY JR.      WELL : NO.1 COVINGTON  
 LOCATION : 330 FSL, 330 FwL      SEC: 28      TNSP : 0060      RNG :      SUR : TWP-2 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN GROUP	1540	2247	3010	777	----		SD, SH	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14B1      ELEVATION : 5686      TOTAL DEPTH : 6000  
 OPERATOR : GULF OIL CORP.      WELL : NO.1 GRISHAM  
 LOCATION : 2041 FNL      SEC: 18      TNSP : 0099      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN. GROUP	20	5666	1165	4521	----	1145	SD, SH	SUR
LEONARD (BONE SPRING)	1165	4521	3180	2506	----	2015	LS, SD, SH	
WOLFCAMP	3180	2506	3930	1756	40	750	SH, UTR	EST
PENNSYLVANIAN	3930	1756	3930	1756	----	0		UNC
MISSISSIPPIAN	3930	1756	4170	1516	20	240	SH, LS	
BARNETT	3930	1756	4080	1606	----	150	SH	
MISS. LS	4080	1606	4170	1516	----	90	LS	
WOODFORD	4170	1516	4328	1358	----	158	SH	
SILURO-DEVONIAN	4328	1358	5230	456	902	902	LS, CHT, DOL	
MONTOYA	5230	456	5582	104	352	352	LS, DOL	
SIMPSON	5582	104	5798	- 112	----	216	SH, LS	
ELLENBURGER	5798	- 112	6000	- 314	202+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14B2      ELEVATION : 4307      TOTAL DEPTH : 8770  
 OPERATOR : SINCLAIR OIL CO.      WELL : NO.1 LOONEY  
 LOCATION : 660 FSL, 660 FEL      SEC: 22      TNSP : 0097      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DELAWARE MTN. GROUP	20	4287	2950	1357	----	2930	SD, SH	SUR
LEONARD (BONE SPRING)	2950	1357	4920	- 613	----	1970	SH, LS, SD	
WOLFCAMP	4920	- 613	7700	- 3393	110	2780	SH, DTR	
PENNSYLVANIAN	7700	- 3393	7700	- 3393	----	0		UNC
MISSISSIPPIAN	7700	- 3393	8450	- 4143	30	750	SH, LS	
BARNETT	7700	- 3393	8340	- 4033	----	640	SH	
MISS. LS	8340	- 4033	8450	- 4143	----	110	LS	
WOODFORD	8450	- 4143	8580	- 4273	----	130	SH	
SILURO-DEVONIAN	8580	- 4273	8770	- 4463	190*		LS, CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON WELL ID NO. : 1483 ELEVATION : 3852 TOTAL DEPTH : 9500

OPERATOR : SUN OIL CO. WELL : NO.1 WEATHERBY

LOCATION : 1980 FSL, 1980 FEL SEC: 27 TNSP : 0101 RNG : SUR : PSL

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
DELAWARE MTN. GROUP	872	2980	3920	- 68	----	3048	SD, SH	
LEONARD (BONE SPRING)	3920	- 68	6252	- 2400	----	2332	SH, LS, SD	
WOLFCAMP	6252	- 2400	9230	- 5378	320	2978	SH	
PENNSYLVANIAN	9230	- 5378	9230	- 5378	----	0		UNC
MISSISSIPPIAN-BARNETT	9230	- 5378	9500	- 5648	----		SH, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 1485      ELEVATION : 3408      TOTAL DEPTH : 12088  
 OPERATOR : TIDEWATER OIL CO.      WELL : NO.1 DELA- HASIN PROP. INC.  
 LOCATION : 1980 FNL, 1980 FEL      SEC: 13      TNSP : 0054      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RUSTLER-SALADO	155	3253	2268	1140	-----	2113	ANHY, DOL	EST
DELAWARE MTN. GROUP	2268	1140	5370	- 1962	-----	3102	SD, SH	
LEONARD (BONF SPRING)	5370	- 1962	7760	- 4352	-----	2390	SH, LS, SD	
WOLFCAMP	7760	- 4352	9210	- 5802	210	1450	SH, DTR	
PENNSYLVANIAN	9210	- 5802	9210	- 5802	-----	0		UNC
MISSISSIPPIAN	9210	- 5802	9610	- 6202	0	400	SH, LS	
BARNETT	9210	- 5802	9490	- 6082	-----	280	SH	
MISS. LS	9490	- 6082	9610	- 6202	-----	120	LS, SH	
WOODFORD	9610	- 6202	9690	- 6282	-----	80	SH	
SILURO-DEVONIAN	9690	- 6282	10559	- 7151	869	869	LS, CHT	
MONTOYA	10559	- 7151	11053	- 7645	494	494	LS, DOL	
SIMPSON	11053	- 7645	11678	- 8270	-----	625	SH, LS	
ELLENBURGER	11678	- 8270	12088	- 8680	410+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON WELL ID NO. : 1487 ELEVATION : 4144 TOTAL DEPTH : 5270  
 OPERATOR : CONTINENTAL OIL CO. WELL : NO.1 FOSTER  
 LOCATION : 660 FSL, 810 FWL SEC: 24 TNSP : 0088 RNG : SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN. GROUP	330	3814	1620	2524	----	1290	SD, SH	
LEONARD (BONE SPRING)	1620	2524	2970	1174	----	1350	SH, LS, SD	
WOLFCAMP-PENN.	2970	1174	2970	1174	----	0		UNC
MISSISSIPPIAN	2970	1174	3410	734	210	440	SH, LS	
BARNETT	2970	1174	3127	1017	----	157	SH	
MISS. LS	3127	1017	3410	734	----	283	LS	
WOODFORD	3410	734	3520	624	----	110	SH	
SILURO-DEVONIAN	3520	624	3880	264	----	360	LS	
MONTOYA	3880	264	3990	154	----	110	LS	EST
WOODFORD (REPEATED)	3990	154	4110	34	----	120	SH	FLT
SIL.-DEV. (REPEATED)	4110	34	4350	- 206	240	240	LS	
MONTOYA (REPEATED)	4350	- 206	4480	- 336	130	130	LS	
SIMPSON	4480	- 336	4850	- 706	----	370	SH, LS, SD	
ELLENBURGER	4850	- 706	5270	- 1126	420+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 1488      ELEVATION : 4095      TOTAL DEPTH : 7688  
 OPERATOR : MC FARLAND CORP.      WELL : NO.1-44 RACHEL-CERF  
 LOCATION : 660 FNL, 660 FEL      SEC: 44      TNSP : 0060      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RUSTLER-SALADO	30	4065	2300	1795	----	2270	ANHY, DOL	
DELAWARE MTN. GROUP	2300	1795	5640	- 1545	----	3340	SD, SH	
WOLFCAMP	5540	- 1445	5695	- 1600	60	155	SH, DTR	
PENN. - UP, WOODFORD	5695	- 1600	5695	- 1600	----	0		UNC
WOODFORD	5695	- 1600	5717	- 1622	----	22	SH	ERD
SILURO-DEVONIAN	5717	- 1622	6460	- 2365	643	743	LS, CHT	
MONTOYA	6460	- 2365	6861	- 2766	391	401	LS, DOL	
SIMPSON	6861	- 2766	7390	- 3295	----	529	SH, LS, SD	
ELLENBURGER	7390	- 3295	7688	- 3593	298+		DOL, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 1489      ELEVATION : 4597      TOTAL DEPTH : 4041

OPERATOR : SUN RAY - MID-CONT.      WELL : NO.1 FOSTER

LOCATION : 1590 FNL, 330 FWL      SEC: 22      TNSP : 0062      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DELAWARE MTN. GROUP	30	4567	1520	3077	----	1490	SH, SD EST	ABV
LEONARD (BONE SPRING)	1520	3077	2870	1727	----	1350	SH, LS	
WOLFCAMP - SIL.-DEV.	3050	1547	3050	1547	----	0		UNC
MONTOYA	3050	1547	3120	1477	70	70	LS	ERD
SIMPSON	3120	1477	3483	1114	----	363	SH, SD, LS	
ELLENBURGER	3483	1114	4041	556	558+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14814      ELEVATION : 3993      TOTAL DEPTH : 3197  
 OPERATOR : JOHNSON DRLG. CO.      WELL : NO.1 COWDEN  
 LOCATION : 660 FNL, 660 FWL      SEC: 16      TNSP : 0059      RNG :      SUR : TWP-8 I+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CAPITAN REEF	570	3423	3155	838	----	2585	LS	
DELAWARE MTN. GROUP	3155	838	3197	796	----		SD, SH	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14B17      ELEVATION : 3700      TOTAL DEPTH : 6023  
 OPERATOR : DAVIS AND ARMOUR      WELL : NO.1 DAVIS  
 LOCATION : 660 FSL, 660 FWL      SEC: 5      TNSP : 0086      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
LEONARD (BONE SPRING)	2320	1380	4260	- 560	-----	1940	SH, LS, SD	EST
WOLFCAMP - WOODFORD	4260	- 560	4260	- 560	-----	0		UNC
SILURO-DEVONIAN	4260	- 560	5300	- 1600	1040	1040	LS,DOL,CHT	
MONTOYA	5300	- 1600	5565	- 1865	265	265	LS	
SIMPSON	5565	- 1865	6023	- 2323	-----		SH, LS	TD

REMARKS  
 PERMIAN CORRELATIONS ARE QUESTIONABLE DUE TO POOR LOG QUALITY.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14850      ELEVATION : 3597      TOTAL DEPTH : 12104  
 OPERATOR : GULF OIL CORP.      WELL : NO.1-F GRISHAM HUNTER  
 LOCATION :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOODFORD	9810	- 6213	9917	- 6320	----	107	SH	
DEVONIAN	9917	- 6320	9917	- 6320	0	0		UNC
SILURIAN	9917	- 6320	11035	- 7438	1118	1118	DOL	
MONTOYA	11035	- 7438	11320	- 7723	265	285	DOL	
SIMPSON	11320	- 7723	11870	- 8273	----	550	LS, SH, SD	
ELLENBURGER	11870	- 8273	12104	- 8507	234*		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14851      ELEVATION : 4495      TOTAL DEPTH : 6613

OPERATOR : EL PASO NAT. GAS CO.      WELL : NO.1 MONTGOMERY

LOCATION :      SEC:      TNSP :      RNG :      SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOODFORD	4685	- 190	4770	- 275	----	85	SH	
DEVONIAN	4770	- 275	4770	- 275	0	0		UNC
SILURIAN	4770	- 275	5820	- 1325	1050	1050	DOL	
MONTOKA	5820	- 1325	6190	- 1695	370	370	DOL	
SIMPSON	6190	- 1695	6480	- 1985	----	290	SH, LS, SD	
ELLENBURGER	6480	- 1985	6613	- 2118	133+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : HL - CULBERSON      WELL ID NO. : 14852      ELEVATION : 3603      TOTAL DEPTH : 7610  
 OPERATOR : PHILLIPS PET. CO.      WELL : NO.1 CREWS  
 LOCATION :      SEC:      TNSP :      RNG :      SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOODFORD	5210	- 1607	5420	- 1817	----	210	SH	
DEVONIAN	5420	- 1817	5420	- 1817	0	0		UNC
SILURIAN	5420	- 1817	6200	- 2597	780	780	DOL, LS	
MONTOYA	6200	- 2597	6460	- 2857	260	260	DOL	
SIMPSON	6460	- 2857	7390	- 3787	----	930	LS, SH, SD	
ELLENBURGER	7390	- 3787	7610	- 4007	220+	220	DOL	

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

AUG 1971

COUNTY : HS - DAWSON                      WELL ID NO. : 10C3                      ELEVATION : 3054                      TOTAL DEPTH : 11544  
 OPERATOR : GORDON KNOX                      WELL : NO.1 J.E. NEELY  
 LOCATION : 660 FNL, 660 FML                      SEC: 28                      TNSP : 0035                      RNG :                      SUR : TWP 6-N T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	385	2669	1720	1334	150	1335	SH, SD	EST
SANTA ROSA	1480	1574	1670	1384	80	190	SD, SH	
RUSTLER	2150	904	2780	274	----	630	ANHY	
YATES	2780	274	2990	64	----	210	SD, SH	
WHITEHORSE GROUP	2780	274	3995	- 941	----	1215	SD, LS, SH	
SAN ANDRES	3995	- 941	4995	- 1941	----	1000	LS, SD	
GLORIETA	4995	- 1941	5195	- 2141	----	200	SD, LS, SH	EQV
SPRABERRY	7303	- 4249	8340	- 5286	----	1037	SD, SH	
DEAN	8573	- 5519	8790	- 5736	----	217	SD	
WOLFCAMP	8790	- 5736	9257	- 6203	20	467	SH, LS	
PENNSYLVANIAN	9257	- 6203	11180	- 8126	1020	1923	LS, SH	
MISSISSIPPIAN	11180	- 8126	11452	- 8398	272	272	LS	
WOODFORD	11452	- 8398	11520	- 8466	----	68	SH	
DEVONIAN	11520	- 8466	11544	- 8490	24+		LS, CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 OORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : HS - DAWSON      WELL ID NO. : 10C4      ELEVATION : 3030      TOTAL DEPTH : 11385  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO. 1 O.E. BOATRIGHT  
 LOCATION : 2120 FNL, 1980 FEL      SEC: 36      TNSP : 0035      RNG :      SUR : TWP 6-N T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GLORIETA	4505	- 1475	4705	- 1675	----	200	SD, SH, LS	EQV
SPRABERRY	7200	- 4170	8180	- 5150	----	980	SD, SH	
DEAN	8464	- 5434	8645	- 5615	----	181	SD	
WOLFCAMP	8645	- 5615	9090	- 6060	20	445	SH, SD, LS	
PENNSYLVANIAN	9090	- 6060	10988	- 7958	1040	1898	LS, SH	
MISSISSIPPIAN	10988	- 7958	11293	- 8263	305	305	LS	
WOODFORD	11293	- 8263	11360	- 8330	----	67	SH	
DEVONIAN	11360	- 8330	11385	- 8355	25+		LS, CHT	TD

REMARKS  
 PENN. LIMESTONE IS IN REEF FACIES. LOG BEGINS BELOW TOP OF SAN AND RES.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : MS - DAWSON      WELL ID NO. : 10C5      ELEVATION : 2925      TOTAL DEPTH : 11500  
 OPERATOR : TEXAS CRUDE      WELL : NO.1-39 HERRY  
 LOCATION : 500 FNL, 1250 FEL      SEC: 39      TNSP : 0035      RNG :      SUR : TWP 5-N T+P RR

FORMATION	DEPTH	TOP SUR-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	320	2605	1438	1487	117	1118	SH, SD	EST
SANTA ROSA	1200	1725	1372	1553	77	172	SH, SH	
RUSTLER	1776	1149	2412	513	----	636	ANHY	
YATES	2412	513	2580	345	----	168	SD, SH	
WHITEHORSE GROUP	2412	513	3580	- 655	----	116A	LS, SD, ANHY	
SAN ANDRES	3580	- 655	4895	- 1970	----	1315	LS, SD	
GLORIETA	4895	- 1970	5095	- 2170	----	200	SH, LS, DOL	
SPRABERRY	7150	- 4225	8425	- 5500	----	1275	SD, SH	
DEAN	8485	- 5560	8691	- 5766	----	206	SD	
WOLF CAMP	8691	- 5766	9408	- 6483	70	717	SH, LS	
PENNSYLVANIAN	9408	- 6483	11056	- 8131	980	1648	LS, SH	
MISSISSIPPIAN	11056	- 8131	11377	- 8452	321	321	LS	
WOODFORD	11377	- 8452	11453	- 8528	----	76	SH	
DEVONIAN	11453	- 8528	11500	- 8575	47+		LS, LHT	TD

REMARKS  
 PENNSYLVANIAN IS IN REEF FACIES

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 MOORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : MS - DAWSON                      WELL ID NO. : 10C6                      ELEVATION : 2811                      TOTAL DEPTH : 11749  
 OPERATOR : PAN AMERICAN PETR.                      WELL : NO.1 R.C. KOGER  
 LOCATION : 660 FSL, 660 FEL                      SEC: 32                      TNSP : 0035                      RNG :                      SUR : TWP 4-N T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	6050	- 3239	5092	- 2281	----	958	LS, SD	ABV
GLORIETA	5092	- 2281	5292	- 2481	----	200	SH, SD, LS	
SPRABERRY	7337	- 4526	8480	- 5669	----	1143	SD, SH	
DEAN	8728	- 5917	8834	- 6023	----	106	SD	
WOLFCAMP	8834	- 6023	10360	- 7549	95	1526	SH, SD, LS	
PENNSYLVANIAN	10360	- 7549	11040	- 8229	480	680	LS, SH	
MISSISSIPPIAN	11040	- 8229	11370	- 8559	330	330	LS	
WOODFORD	11370	- 8559	11450	- 8639	----	80	SH	
DEVONIAN	11450	- 8639	11655	- 8844	205	205	LS, CHT	
RUSSELMAN	11655	- 8844	11749	- 8938	94+		LS                      EST                      TD	



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : HS - DAWSON      WELL ID NO. : 10C61      ELEVATION : 2720      TOTAL DEPTH : 10371  
 OPERATOR : JAMES L. PIERCE      WELL : NO.1-41 CARRIE DEAN  
 LOCATION : 660 FNL, 660 FWL      SEC: 41      TNSP : 0001      RNG :      SUR : J. POITEVENT

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
PENNSYLVANIAN	8378	- 5658	9930	- 7210	750	1552	LS,SH	
MISSISSIPPIAN	9930	- 7210	10213	- 7493	----	283	LS,SH	
MONTOYA	10213	- 7493	10371	- 7651	----		LS	Td

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MS - DAWSON WELL ID NO. : 11C9 ELEVATION : 3117 TOTAL DEPTH : 12331  
 OPERATOR : SHELL OIL CO. WELL : NO.1 LEE  
 LOCATION : 660 FSL, 1980 FEL SEC: 126 TNSP : 000M RNG : SUR : EL+RR RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	350	2767	1848	1269	165	SH, SD	EST
SANTA ROSA	1495	1622	1729	1388	75	SD, SH	
RUSTLER	2095	1022	3043	74	----	ANHY	
YATES	3043	74	3223	- 106	----	SD, SH	
WHITEHORSE GROUP	3043	74	4597	- 1480	----	LS, ANHY, SD	
SAN ANDRES	4597	- 1480	6446	- 3329	----	LS, DOL	
LEONARD (CF EQV)	6446	- 3329	7908	- 4791	----	DOL, SH	
SPRABERRY	7908	- 4791	8835	- 5718	----	SD, SH	
DEAN	9053	- 5936	9245	- 6128	----	SD, SH	
WOLFCAMP	9245	- 6128	9673	- 6556	30	SH, LS	
PENNSYLVANIAN	9673	- 6556	11288	- 8171	880	LS, SH	
CISCO - CANYON	9673	- 6556	10522	- 7405	----	LS, SH	
STRAWN	10522	- 7405	11125	- 8008	----	LS, SH	
ATOKA	11125	- 8008	11288	- 8171	----	SH, LS	
MISSISSIPPIAN	11288	- 8171	12108	- 8991	580	LS, SH	
UPPER MISS.	11288	- 8171	11781	- 8664	----	LS, SH	
LOWER MISS.	11781	- 8664	12108	- 8991	----	LS	
WOODFORD	12108	- 8991	12227	- 9110	----	SH	
SILURO-DEVONIAN	12227	- 9110	12331	- 9214	104+	LS	TD

REMARKS  
 UPPER PENN. IS IN REEFAL LIMESTONE FACIES.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MS - DAWSON                      WELL ID NO. : 11C1B                      ELEVATION : 2979                      TOTAL DEPTH : 12100  
 OPERATOR : TIDEWATER OIL CO.                      WELL : NO.1 MALONE  
 LOCATION : 1872 FSL, 1612 FML                      SEC: 8                      TNSP : 0036                      RNG :                      SUR : TMP 5-N T+P RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	423	2556	1745	1234	138	1322	SH, SD	EST
SANTA ROSA	1376	1603	1631	1348	70	255	SD, SH	
RUSTLER	2048	931	2740	239	----	692	ANHY	
YATES	2740	239	2930	49	----	190	SD, SH	
WHITEHORSE GROUP	2740	239	4220	- 1241	----	1480	LS, ANHY, SD	
SAN ANDRES	4220	- 1241	5964	- 2985	----	1744	LS, DOL	
LEONARD (CF EQV)	5964	- 2985	7740	- 4761	----	1776	DOL, SH	
SPRABERRY	7740	- 4761	8780	- 5801	----	1040	SD, SH	
DEAN	9063	- 6084	9340	- 6361	----	277	SD, SH	
WOLFCAMP	9340	- 6361	10198	- 7219	25	858	SH, DTR, LS	
PENNSYLVANIAN	10198	- 7219	10993	- 8014	210	795	LS, SH	
MISSISSIPPIAN	10993	- 8014	11769	- 8790	590	776	LS, SH	
UPPER MISS.	10993	- 8014	11442	- 8463	----	449	LS, SH	
LOWER MISS. LS	11442	- 8463	11769	- 8790	----	327	LS	
WOODFORD	11769	- 8790	11830	- 8851	----	61	SH	
SILURO-DEVONIAN	11830	- 8851	12100	- 9121	270+		LS	TD

REMARKS  
 UPPER PENN. UNITS ARE IN BASIN FACIES.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : JH - ECTOR                      WELL ID NO. : 1105                      ELEVATION : 3332                      TOTAL DEPTH : 10085  
 OPERATOR : W.R. GODDARD                      WELL : NO.1 WILLIAMSON  
 LOCATION : 2024 FEL, 661 FSL                      SEC: 18                      TNSP : 0045                      RNG :                      SUR : TWP 1-N T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	270	3062	1372	1960	195	1102	SH, SD	EST
SANTA ROSA	1043	2289	1300	2032	95	257	SD, SH	
RUSTLER	1492	1840	2803	529	----	1311	ANHY	
YATES	2803	529	2998	334	----	195	SD, SH	
WHITEHORSE GROUP	2998	334	4347	- 1015	----	1349	LS, ANHY, SD	
SAN ANDRES	4347	- 1015	5510	- 2178	----	1163	LS, DOL	
GLORIETA	5510	- 2178	5678	- 2346	----	168	SD, DOL	
LEONARD (CF - WICH)	5678	- 2346	7840	- 4508	----	2162	DOL, SH	
WICHITA	6750	- 3418	7840	- 4508	----	1090	DOL, SH	
WOLF CAMP	7840	- 4508	7945	- 4613	70	105	LS, DIR	EST
PENN. - WOODFORD	7945	- 4613	7945	- 4613	----	0		UNC
DEVONIAN	7945	- 4613	8494	- 5162	549	549	LS	ERD
FUSSELMAN	8494	- 5162	8928	- 5596	434	434	LS	
MONTOYA	8928	- 5596	9190	- 5858	262	262	LS	
SIMPSON	9190	- 5858	9947	- 6615	----	757	SH, LS, SD	EST
ELLENBURGER	9947	- 6615	10085	- 6753	138+		DOL	EST TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : JH - ECTOR                      WELL ID NO. : 11061                      ELEVATION : 29730                      TOTAL DEPTH : 13348  
 OPERATOR : UNION TEXAS PETR. CO.                      WELL : NO.1-35 FASKEN  
 LOCATION : 1980 FSL, 660                      SEC: 35                      TNSP : 0041                      RNG :                      SUR : T-1N, G+MMB+A

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	9190	20540	9965	19765	120	775	SH,LS,DTR	EST
PENNSYLVANIAN	9965	19765	11265	18465	280	1300	LS,SH	EST
MISSISSIPPIAN	11265	18465	11490	18240	120	225	SH,LS	
WOODFORD	11490	18240	11570	18160	----	80	SH	
DEVONIAN	11570	18160	12485	17245	----	915	LS,CMT	
FUSSELMAN	12485	17245	12615	17115	----	130	LS	
MONTOYA	12615	17115	12860	16870	----	245	LS	
SIMPSON	12860	16870	13175	16555	----	315	SH,LS	
ELLENBURGER	13175	16555	13348	16382	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : JM - ECTOR      WELL ID NO. : 16A53      ELEVATION : 3187      TOTAL DEPTH : 9575  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO.1 GOLDSMITH OPERATING AREA  
 LOCATION : 1130 FNL, 1740 FEL      SEC: 29      TNSP : 0044      RNG :      SUR : TWP 1-N T+P RR CO.

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP	
TRIASSIC	274	2913	1368	169	1094	SH, SD		
SANTA ROSA	955	2232	1215	92	260	SD, SH		
RUSTLER	1445	1742	2682	-----	1237	ANHY		
YATES	2682	505	2880	-----	198	SD, SH		
WHITEHORSE GROUP	2682	505	4200	- 1013	-----	1518	LS, DOL	
SAN ANDRES	4200	- 1013	5295	- 2108	-----	1095	LS, DOL	EST
GLORIETA	5295	- 2108	5422	- 2235	-----	127	DOL, SD	
LEONARD (CF - WICH)	5422	- 2235	7699	- 4512	-----	2277	DOL, SH	
WOLFCAMP	7699	- 4512	7750	- 4563	20	51	DTR	
PENN. - WOODFORD	7750	- 4563	7750	- 4563	-----	0		UNC
DEVONIAN	7750	- 4563	8383	- 5196	633	633	LS	
SILURIAN	8383	- 5196	8688	- 5501	-----	305	SH	
FUSSELMAN	8688	- 5501	8781	- 5594	93	93	LS	
MONTOYA	8781	- 5594	9017	- 5830	236	236	LS	
SIMPSON	9017	- 5830	9460	- 6273	-----	443	SD, SH, LS	
ELLENBURGER	9460	- 6273	9575	- 6388	115+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : JM - ECTOR                      WELL ID NO. : 16A54                      ELEVATION : 3175                      TOTAL DEPTH : 8325  
 OPERATOR : GULF OIL CORP.                      WELL : NO.964 C.A. GOLOSMITH ET AL  
 LOCATION : 660 FNL, 1320 FNL                      SEC: 20                      TNSP : 0044                      RNG :                      SUR : TWP 1-S T+P

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	173	3002	1373	1802	180	1200	SH, SD	
SANTA ROSA	1010	2165	1240	1935	110	230	SD, SH	
RUSTLER	1478	1697	2707	468	----	1229	ANHY	
YATES	2707	468	2909	270	----	198	SD, SH	
WHITEHORSE GROUP	2707	468	4250	- 1075	----	1543	LS, ANHY, SD	
SAN ANDRES	4250	- 1075	5298	- 2123	----	1048	LS, DOL	
GLORIETA EQV	5298	- 2123	5450	- 2275	----	152	DOL, SD	
CLEAR FORK	5450	- 2275	6600	- 3425	----	1150	DOL, SH	
WICHITA	6600	- 3425	7920	- 4745	----	1320	SH, DOL	
WOLFCAMP	7920	- 4745	8018	- 4843	70	98	LS, DTR	
PENN. - MISS.	8018	- 4843	8018	- 4843	----	0		UNC
WOODFORD	8018	- 4843	8258	- 5083	----	240	SH	
DEVONIAN	8258	- 5083	8325	- 5150	67+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : JM - ECTOR                      WELL ID NO. : 16A55                      ELEVATION : 3153                      TOTAL DEPTH : 12515  
 OPERATOR : RALPH LOWE                      WELL : NO.1 PARKER  
 LOCATION : 1980 FEL, 760 FSL                      SEC: 17                      TNSP : 0044                      RNG :                      SUR : TWP 2-S T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	185	2968	1200	1953	158	1015	SH, SD	EST
SANTA ROSA	865	2288	1112	2041	98	247	SD	
RUSTLER-SALADO	1361	1792	2639	514	----	1278	ANHY	
YATES	2639	514	2858	295	----	219	SD, SH	
WHITEHORSE GROUP	2639	514	4173	- 1020	----	1534	SH, ANHY, LS	
SAN ANDRES	4173	- 1020	5180	- 2027	----	1007	LS, DOL	
GLORIETA	5180	- 2027	5331	- 2178	----	151	SD, DOL	
CLEAR FORK	5331	- 2178	6473	- 3320	----	1142	DOL, SH	
WICHITA	6473	- 3320	8017	- 4864	----	1544	DOL, SH	EST
WOLFCAMP	8017	- 4864	8385	- 5232	140	368	LS, DTR	
PENNSYLVANIAN	8385	- 5232	9257	- 6104	440	872	LS, SH	
MISSISSIPPIAN	9257	- 6104	10113	- 6960	240	856	LS, SH	
MISS. LS	9800	- 6647	10113	- 6960	----	313	LS	
WOODFORD	10113	- 6960	10282	- 7129	----	169	SH	
DEVONIAN	10282	- 7129	11086	- 7933	804	804	LS	
SILURIAN	11086	- 7933	11330	- 8177	----	244	SH	
FUSSELMAN	11330	- 8177	11410	- 8257	80	80	LS	
MONTOYA	11410	- 8257	11666	- 8513	256	256	LS	
SIMPSON	11666	- 8513	12361	- 9208	----	695	SH, LS, SD	
ELLENBURGER	12361	- 9208	12515	- 9362	154+		DOL	TD

REMARKS  
 SANTA ROSE HAS GOOD APPARENT POROSITY



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : JM - ECTOR                      WELL ID NO. : 16A56                      ELEVATION : 3090                      TOTAL DEPTH : 12500  
 OPERATOR : TEXACO INC.                      WELL : NO.1 TXL ECTOR FEE UNIT  
 LOCATION : 467 FNL, 1980 FEL                      SEC: 47                      TNSP : 0044                      RNG :                      SUR : TWP 2-S T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	208	2882	1453	1637	194	1245	SH, SD	EST
SANTA ROSA	1084	2006	1316	1774	102	232	SD, SH	
RUSTLER-SALADO	1657	1433	2816	274	----	1159	ANHY, SLT	
YATES	2816	274	3015	75	----	199	SD, SH	
WHITEHORSE GROUP	2816	274	4228	- 1138	----	1412	LS, ANHY, SD	
SAN ANDRES	4228	- 1138	5403	- 2313	----	1175	LS, DOL	
GLORIETA	5403	- 2313	5528	- 2438	----	125	SD, DOL	
CLEAR FORK	5528	- 2438	6520	- 3430	----	992	DOL	
WICHITA	6520	- 3430	8020	- 4930	----	1500	DOL, SH	EST
WOLFCAMP	8020	- 4930	8430	- 5340	180	410	LS, SH	EST
PENNSYLVANIAN	8430	- 5340	9359	- 6269	510	929	LS, SH	
MISSISSIPPIAN	9359	- 6269	10095	- 7005	190	736	LS	
MISS. LS	9810	- 6720	10095	- 7005	----	285	LS	
WOODFORD	10095	- 7005	10212	- 7122	----	117	SH	
DEVONIAN	10212	- 7122	11166	- 8076	954	954	LS	
SILURIAN	11166	- 8076	11383	- 8293	----	217	SH	
FUSSELMAN	10383	- 7293	10446	- 7356	63	63	LS	
MONTOYA	10446	- 7356	11681	- 8591	235	1235	LS	
SIMPSON	11681	- 8591	12384	- 9294	----	703	SD, LS, SH	
ELLENBURGER	12384	- 9294	12500	- 9410	116+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : JH - ECTOR                      WELL ID NO. : 16A70                      ELEVATION : 2999                      TOTAL DEPTH : 13930  
 OPERATOR : SINCLAIR                      WELL : NO.1 GIST  
 LOCATION : 660 FSL, 660 FEL                      SEC: 32                      TNSP : 0042                      RNG :                      SUR : T-1S, T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	4315	- 1316	5540	- 2541	----	1225	DOL,LS	
GLORIETA	5540	- 2541	5935	- 2936	----	395	LS,SD	
LEONARD	5935	- 2936	8550	- 5551	----	2615	LS,DOL,SH	
WOLFCAMP	8550	- 5551	10205	- 7206	480	1655	LS,SH	
PENNSYLVANIAN	10205	- 7206	10890	- 7891	150	685	LS,SH	
MISS. - BARNETT	10890	- 7891	10745	- 7746	----	145	SH	
MISS. LS	10745	- 7746	12025	- 9026	----	1280	LS	
WOODFORD	12025	- 9026	12120	- 9121	----	95	SH	
DEVONIAN	12120	- 9121	13075	-10076	----	955	LS,CHT	
FUSSELMAN	13075	-10076	13155	-10156	----	80	LS	
MONTOYA	13155	-10156	13395	-10396	----	240	DOL	
SIMPSON	13395	-10396	13860	-10861	----	465	SH,SD	
ELLENBURGER	13860	-10861	13930	-10931	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : JH - ECTOR                      WELL ID NO. : 16A71                      ELEVATION : 2945                      TOTAL DEPTH : 11661  
 OPERATOR : HUMBLE OIL AND REF.                      WELL NO. 1 VEST  
 LOCATION : 660 FNL, 660 FWL                      SEC: 17                      TNSP : 8-8                      RNG :                      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	7890	- 4945	8220	- 5275	----	330	SH,LS	EST
PENNSYLVANIAN	8220	- 5275	8550	- 5605	----	330	LS,SH	EST
MISSISSIPPIAN	8550	- 5605	8780	- 5835	----	230	LS,SH	
WOODFORD	8780	- 5835	9160	- 6215	----	380	SH	
DEVONIAN	9160	- 6215	9690	- 6745	----	530	LS	
SILURIAN SHALE	9690	- 6745	9960	- 7015	----	270	SH	
FUSSELMAN	9960	- 7015	10130	- 7185	----	170	LS	
MONTOYA	10130	- 7185	10250	- 7305	----	120	LS	
SIMPSON	10250	- 7305	11480	- 8535	----	1230	SH	
ELLENBURGER	11480	- 8535	11661	- 8716	----		DOL	TD

REMARKS  
 WOLFCAMP AND PENN. TOPS ARE QUESTIONABLE. NET THICK. NOT POSSIBLE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : JL - EL PASO WELL ID NO. : TG-20 ELEVATION : 3780 TOTAL DEPTH : 9822

OPERATOR : CHAMBERS ET AL WELL : NO.1 SURRATT

LOCATION : 2 MI.W OF SEC.24 T3 78 T+SEC: TNSP : RNG : SUR : PRESIDIO DE SAN ELIZA

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
UPSON	2040	1740	3290	490	----	1250	SH	
EAGLE FORD	3290	490	4390	- 610	----	1100	SH,LS	
EDWARDS	4390	- 610	6020	- 2240	----	1630	LS,SH	
MOSSTON (FAULTED)	6020	- 2240	7350	- 3570	----	1330	SH,LS	
2ND UPSON	7350	- 3570	8200	- 4420	----	850	SH	
2ND EAGLE FORD	8200	- 4420	8500	- 4720	----	300	SH,LS	
BUDA LS,SH	8500	- 4720	9330	- 5550	----	830		
KIAMICHI	9330	- 5550	9822	- 6042	----		SH,LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES                      WELL ID NO. : 11C1                      ELEVATION : 3614                      TOTAL DEPTH : 11860  
 OPERATOR : STD. OF TEXAS                      WELL : NO.1 HUDSON UNIT  
 LOCATION : 1980 FNL, 1780 FWL                      SEC: 60                      TNSP : 00AX                      RNG :                      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	380	3234	2060	1554	235	1680	SH, SD	EST
SANTA ROSA	1780	1834	1990	1624	110	210	SD, SH	
RUSTLER	2130	1484	3000	614	----	870	ANHY	
YATES	3000	614	3180	434	----	180	SD, SH	
WHITEHORSE GROUP	3000	614	4460	- 846	----	1460	LS, ANHY, SD	
SAN ANDRES	4460	- 846	5972	- 2358	----	1512	LS, DOL	
GLORIETA	5972	- 2358	6074	- 2460	----	102	SD, DOL	
LEONARD (CF EQV)	6074	- 2460	7972	- 4358	----	1898	DOL	
TUBB	7300	- 3686	7504	- 3890	----	204	SD, DOL	
ABO	7972	- 4358	9372	- 5758	----	1400	DOL, SH	
WOLFCAMP	9372	- 5758	10820	- 7206	950	1448	LS, DTR, SH	EST
PENNSYLVANIAN	10820	- 7206	11120	- 7506	90	300	LS, SH	EST
MISSISSIPPIAN	11120	- 7506	11698	- 8084	578	578	LS	
WOODFORD	11698	- 8084	11761	- 8147	----	63	SH	
DEVONIAN	11761	- 8147	11860	- 8246	99+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : MO - GAINES                      WELL ID NO. : 11C3                      ELEVATION : 3506                      TOTAL DEPTH : 11826  
 OPERATOR : PERRY R. BASS                      WELL : NO.1 MOBIL - ATLANTIC  
 LOCATION : 760 FNL, 660 FEL                      SEC: 469                      TNSP : 0006                      RNG :                      SUR : CCSD+RONG RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	310	3196	1850	1656	185	1540	SH, SD	EST
SANTA ROSA	1560	1946	1792	1714	115	232	SD, SH	
RUSTLER	1974	1532	3083	423	----	1109	ANHY	
YATES	3083	423	3254	252	----	171	SD, SH	
WHITEHORSE GROUP	3083	423	4710	- 1204	----	1627	LS, ANHY, SD	
SAN ANDRES	4710	- 1204	6130	- 2624	----	1420	LS, DOL	
GLORIETA	6130	- 2624	6230	- 2724	----	100	SD, DOL	
LEONARD (CF - WICH.)	6230	- 2724	7992	- 4486	----	1762	DOL, SH	
WOLFCAMP	7992	- 4486	9365	- 5859	490	1373	LS, DTR, SH	EST
PENNSYLVANIAN	9365	- 5859	10713	- 7207	940	1348	LS, SH	
MISSISSIPPIAN	10713	- 7207	11438	- 7932	725	725	LS	
WOODFORD	11438	- 7932	11549	- 8043	----	111	SH	
DEVONIAN	11549	- 8043	11826	- 8320	277+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES            WELL ID NO. : 11C4            ELEVATION : 3367            TOTAL DEPTH : 10028  
 OPERATOR : HUMBLE OIL AND REF.    WELL : NO.9 KENDRICK  
 LOCATION : 660 FNL, 510 FWL        SEC: 8    TNSP : A-24        RNG :            SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES (EST.)	4375	- 1008	5942	- 2575	----	1567	LS, DOL	ABV
LEONARD (CF EQV)	5942	- 2575	7510	- 4143	----	1568	DOL, SH	
WOLFCAMP	7510	- 4143	8818	- 5451	410	1308	OTR, LS, SH	EST
PENNSYLVANIAN	8818	- 5451	9375	- 6008	470	557	LS, SH	EST
MISSISSIPPIAN	9375	- 6008	9799	- 6432	424	424	LS	
WOODFORD	4799	- 6432	9890	- 6523	----	91	SH	
DEVONIAN	9890	- 6523	10028	- 6661	138+		LS	TD

REMARKS  
 WOLFCAMP AND PENN. TOPS ARE QUESTIONABLE DUE TO LACK OF PALEO.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES      WELL ID NO. : 11C6      ELEVATION : 3218      TOTAL DEPTH : 12500  
 OPERATOR : RALPH LOWE      WELL : NO.1 RUSSELL  
 LOCATION : 660 FSL, 1980 FEL      SEC: 19      TNSP : A-22      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	343	2875	1770	1448	172	SH, SD	EST
SANTA ROSA	1454	1764	1693	1525	95	SD, SH	
RUSTLER	1868	1350	2910	308	----	ANHY	
YATES	2910	308	3093	125	----	SD, SH	
WHITEHORSE GROUP	2910	308	4490	- 1272	----	LS, SH, ANHY	
SAN ANDRES	4490	- 1272	6657	- 3439	----	LS, DOL	
LEONARD (CF EQV)	6657	- 3439	8733	- 5515	----	DOL, LS	EST
WOLFCAMP	8733	- 5515	10630	- 7412	1040	DTR, LS, SH	EST
PENNSYLVANIAN	10630	- 7412	11386	- 8168	410	LS, SH	EST
MISSISSIPPIAN	11386	- 8168	12355	- 9137	680	LS, SH	
UPPER MISS. (CHESTER)	11386	- 8168	11755	- 8537	----	LS, SH	
LOWER MISS. LS	11755	- 8537	12355	- 9137	----	LS	
WOODFORD	12355	- 9137	12425	- 9207	----	SH	
DEVONIAN	12425	- 9207	12500	- 9282	75+	LS	TD

REMARKS  
 WOLFCAMP, PENN. TOPS ARE NOT CONTROLLED BY PALEO. AND ARE QUESTION-  
 ABLE.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES                      WELL ID NO. : 11C8                      ELEVATION : 3180                      TOTAL DEPTH : 9125  
 OPERATOR : ASHMUN - HILLIARD                      WELL : NO.1-13 H AND J  
 LOCATION : 2175 FNL, 1787 FWL                      SEC: 13                      TNSP : 000H                      RNG :                      SUR : D+W RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	306	2874	1922	1258	160	1616	SH, SD	EST
SANTA ROSA	1606	1574	1836	1344	95	230	SD, SH	
RUSTLER	2100	1080	2972	208	----	872	ANHY	
YATES	2972	208	3136	44	----	164	SD, SH	
WHITEHORSE GROUP	2972	208	4404	- 1224	----	1432	LS, ANHY, SD	
SAN ANDRES	4404	- 1224	6384	- 3204	----	1980	LS, DOL	
LEONARD (CF EQV)	6384	- 3204	7078	- 3898	----	694	DOL	EST
SPRABERRY	7078	- 3898	8080	- 4900	----	1002	SD, SH	
DEAN	8310	- 5130	8490	- 5310	----	180	SD, SH	
WOLFCAMP	8490	- 5310	8864	- 5684	60	374	SH, DTR	
PENNSYLVANIAN (REEF)	8864	- 5684	9125	- 5945	----		LS	TD

REMARKS  
 PENNSYLVANIAN REEFAL LIMESTONE HAS GOOD APPARENT POROSITY.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES                      WELL ID NO. : 11C11                      ELEVATION : 2987                      TOTAL DEPTH : 12720  
 OPERATOR : TEXAS CRUDE OIL CO.                      WELL : NO.1-21 CHILTON - C  
 LOCATION : 1980 FSL, 1980 FEL                      SEC:                      TNSP :                      RNG :                      SUR : LBR 21 LGE 288 GRAY CSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	326	2661	1700	1287	165	1374	SH, SD	EST
SANTA ROSA	1350	1637	1570	1417	85	220	SD, SH	
RUSTLER	1989	998	3007	- 20	----	1018	ANHY	
YATES	3007	- 20	3224	- 237	----	217	SD, SH	
WHITEHORSE GROUP	3007	- 20	4692	- 1705	----	1685	LS, ANHY, SD	
SAN ANDRES	4692	- 1705	6644	- 3657	----	1952	LS, DOL	
LEONARD (CF EQV)	6644	- 3657	8210	- 5223	----	1566	DOL, SH	EST
SPRABERRY	8210	- 5223	9230	- 6243	----	1020	SD, SH	
DEAN	9495	- 6508	9675	- 6688	----	180	SD, SH	
WOLFCAMP	9675	- 6688	11000	- 8013	80	1325	SH, DTR, LS	
PENNSYLVANIAN	11000	- 8013	11370	- 8383	110	370	SH, LS	
MISSISSIPPIAN	11370	- 8383	12238	- 9251	660	868	LS, SH	
UPPER MISS. (CHESTER)	11370	- 8383	11870	- 8883	----	500	LS, SH	
LOWER MISS. LS	11870	- 8883	12238	- 9251	----	368	LS, SH	
WOODFORD	12238	- 9251	12370	- 9383	----	132	SH	
SILURO-DEVONIAN	12370	- 9383	12720	- 9733	350+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES                      WELL ID NO. : 11C14                      ELEVATION : 3356                      TOTAL DEPTH : 11756  
 OPERATOR : SHELL OIL CO.                      WELL : NO.9 MANN  
 LOCATION : 960 FNL, 660 FWL                      SEC: 220                      TNSP : 00UG                      RNG :                      SUR : WT RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	370	2986	1843	1513	212	1473	SH, SD	EST
SANTA ROSA	1504	1852	1747	1609	72	243	SD, SH	
RUSTLER	1983	1373	3060	296	----	1077	ANHY	
YATES	3060	296	3248	108	----	188	SD, SH	
WHITEHORSE GROUP	3060	296	4480	- 1124	----	1420	LS, ANHY, SD	
SAN ANDRES	4480	- 1124	6200	- 2844	----	1720	LS, DOL	
LEONARD (CF - WOLF.)	6200	- 2844	8375	- 5019	----	2175	DOL, SH	
WOLF. - U. PENN. REEF	8375	- 5019	10638	- 7282	1050	2263	DOL, LS	
STRAWN	10638	- 7282	11053	- 7697	1150	415	LS, SH	
MISSISSIPPIAN	11053	- 7697	11599	- 8243	546	546	LS	
WOODFORD	11599	- 8243	11691	- 8335	----	92	SH	
SILURO-DEVONIAN	11691	- 8335	11756	- 8400	55+		LS	TD

REMARKS  
 WOLFCAMP-UPPER PENN. SECTION (UNDIFFERENTIATED) IS CONTINUOUS REEF  
 CARBONATE 8400-10400 FT. CLEAN SAND DEVELOPMENT IN SANTA ROSA.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES      WELL ID NO. : 11C15      ELEVATION : 3211      TOTAL DEPTH : 12650  
 OPERATOR : SOCONY MOBIL OIL CO.      WELL : NO.1 THOMPSON  
 LOCATION : 660 FNL, 660 FWL      SEC: 20      TNSP : C-43      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	440	2771	2122	1089	215	1682	SH, SD	EST
SANTA ROSA	1674	1537	1890	1321	95	216	SD, SH	
RUSTLER	2412	799	3608	- 397	----	1196	ANHY	
YATES	3608	- 397	3823	- 612	----	215	SD, SH	
WHITEHORSE GROUP	3608	- 397	5198	- 1987	----	1590	LS, ANHY	
SAN ANDRES	5198	- 1987	6815	- 3604	----	1617	LS, DOL	
LEONARD (CF EQV)	6815	- 3604	8310	- 5099	----	1495	DOL, SH	
SPRABERRY	8310	- 5099	9207	- 5996	----	897	SD, SH	
DEAN	9448	- 6237	9635	- 6424	----	187	SD, SH	
WOLFCAMP	9635	- 6424	10898	- 7687	240	1263	SH, DTR, LS	
PENNSYLVANIAN	10898	- 7687	11610	- 8399	230	712	SH, LS	
MISSISSIPPIAN	11610	- 8399	12550	- 9339	700	940	LS, SH	
UPPER MISS. (CHESTER)	11610	- 8399	12095	- 8884	----	485	LS, SH	
LOWER MISS. LS	12095	- 8884	12550	- 9339	----	455	LS	
WOODFORD	12550	- 9339	12590	- 9379	----	40	SH	
SILURO-DEVONIAN	12590	- 9379	12650	- 9439	60+		LS	TD

REMARKS  
 WELL DRILLED DEEPER FROM 11412 TO 12650 BY KERN COUNTY LAND CO.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : RD - GAINES      WELL ID NO. : 11C16      ELEVATION : 3158      TOTAL DEPTH : 13017  
 OPERATOR : MONSANTO ET AL      WELL : NO.1 TERRY  
 LOCATION : 1700 FNL, 990 FEL      SEC:      TNSP :      RNG :      SUR : LBR 5 LGE 302 TERRY CSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	412	2746	2110	1048	195	1698	SH, SD	EST
SANTA ROSA	1648	1510	1904	1254	80	256	SD, SH	
RUSTLER	2409	749	3590	- 432	----	1181	ANHY	
YATES	3590	- 432	3818	- 660	----	228	SD, SH	
WHITEHORSE GROUP	3590	- 432	5222	- 2064	----	1632	LS, ANHY, SH	
SAN ANDRES	5222	- 2064	6865	- 3707	----	1643	LS, DOL	EST
LEONARD (CF EQV)	6865	- 3707	8574	- 5416	----	1709	DOL, SH	EST
SPRABERRY	8574	- 5416	9520	- 6362	----	946	SD, SH	
DEAN	9690	- 6532	9858	- 6700	----	168	SD, SH	
WOLFCAMP	9858	- 6700	11287	- 8129	180	1429	SH, DTR	
PENNSYLVANIAN	11287	- 8129	11918	- 8760	270	631	LS, SH	
MISSISSIPPIAN	11918	- 8760	12927	- 9769	700	1009	LS, SH	
UPPER MISS. (CHESTER)	11918	- 8760	12450	- 9292	----	532	LS, SH	
LOWER MISS. LS	12450	- 9292	12927	- 9769	----	477	LS	
WOODFORD	12927	- 9769	13000	- 9842	----	73	SH	
SILURO-DEVONIAN	13000	- 9842	13017	- 9859	17+		LS	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES                      WELL ID NO. : 11C17                      ELEVATION : 3032                      TOTAL DEPTH : 12847  
 OPERATOR : PAN AMERICAN PETR.                      WELL : NO.1 HUDDLE  
 LOCATION : 330 FNL, 330 FEL                      SEC:                      TNSP :                      RNG :                      SUR : LBR 20 LGE 291 LYNN CSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	380	2652	1915	1117	185	1535	SH, SD	EST
SANTA ROSA	1505	1527	1724	1308	95	219	SD, SH	
RUSTLER	2200	832	3264	- 232	----	1064	ANHY	
WHITEHORSE GROUP	3264	- 232	4843	- 1811	----	1579	LS, ANHY, SH	
SAN ANDRES	4843	- 1811	6653	- 3621	----	1810	LS, DOL	
LEONARD (CF EQV)	6653	- 3621	8390	- 5358	----	1737	DOL	
SPRABERRY	8390	- 5358	9265	- 6233	----	875	SO, SH	
DEAN	9532	- 6500	9692	- 6660	----	160	SO, SH	
WOLFCAMP	9692	- 6660	10968	- 7936	130	1276	LS, SH, DTR	
PENNSYLVANIAN	10968	- 7936	11439	- 8407	260	471	LS, SH	
MISSISSIPPIAN	11439	- 8407	12300	- 9268	630	861	LS, SH	
UPPER MISS. (CHESTER)	11439	- 8407	11923	- 8891	----	484	LS, SH	
LOWER MISS. LS	11923	- 8891	12300	- 9268	----	377	LS	
WOODFORD	12300	- 9268	12443	- 9411	----	143	SH	
SILURO-DEVONIAN	12443	- 9411	12847	- 9815	404*		LS	TD

REMARKS  
 UPPER PART OF TRIASSIC SECTION IS VERY SANDY 600-1000 FT.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES      WELL ID NO. : 11C20      ELEVATION : 3492      TOTAL DEPTH : 12332  
 OPERATOR : LA COASTAL PETR. CO.      WELL : NO.1 FN BANK OF MIDLAND  
 LOCATION : 660 FNL, 1980 FWL      SEC: 312      TNSP : 0006      RNG :      SUR : CCSD+RGNG RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	507	2985	2148	1344	245	1641	SH, SD	
SANTA ROSA	1850	1642	2060	1432	110	210	SD, SH	
RUSTLER	2355	1137	3395	97	----	1040	ANHY	
YATES	3395	97	3575	- 83	----	180	SD, SH	
WHITEHORSE GROUP	3395	97	4980	- 1488	----	1585	LS, ANHY, SD	
SAN ANDRES	4980	- 1488	6780	- 3288	----	1800	LS, DOL	
GLORIETA	6780	- 3288	6900	- 3408	----	120	SD, DOL	
LEONARD (CF EQV)	6900	- 3408	8280	- 4788	----	1380	DOL	
SPRABERRY	8280	- 4788	9652	- 6160	----	1372	SD, SH, LS	
DEAN	10140	- 6648	10320	- 6828	----	180	SD, SH	
WOLFCAMP	10320	- 6828	11148	- 7656	270	828	LS, DTR, SH	EST
PENNSYLVANIAN	11148	- 7656	11606	- 8114	300	458	LS, SH	EST
MISSISSIPPIAN	11606	- 8114	12210	- 8718	604	604	LS	
WOODFORD	12210	- 8718	12278	- 8786	----	68	SH	
DEVONIAN	12278	- 8786	12332	- 8840	54+		LS	TO

REMARKS  
 WOLFCAMP AND PENN. TOPS ARE QUESTIONABLE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES            WELL ID NO. : 11C24            ELEVATION : 3448            TOTAL DEPTH : 9638  
 OPERATOR : SNOWDEN            WELL : NO.1 ALLEY  
 LOCATION : 661 FNL, 660 FEL      SEC: 7      TNSP : A-27            RNG :            SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	180	3268	1723	1725	265	1543	SH, SD	EST
SANTA ROSA	1450	1998	1665	1783	115	215	SD, SH	
RUSTLER	1843	1605	3000	448	----	1157	ANHY	
YATES	3000	448	3178	270	----	178	SD, SH	
WHITEHORSE GROUP	3000	448	4590	- 1142	----	1590	LS, ANHY	
SAN ANDRES	4590	- 1142	6062	- 2614	----	1472	LS, DOL	
LEONARD (CF - WICH.)	6062	- 2614	7500	- 4052	----	1438	DOL, SH	EST
WOLFCAMP	7500	- 4052	8680	- 5232	290	1180	SH, LS, DTR	EST
PENNSYLVANIAN	8680	- 5232	9117	- 5669	260	437	LS, SH	
MISSISSIPPIAN	9117	- 5669	9320	- 5872	200	203	LS	
WOODFORD	9320	- 5872	9560	- 6112	----	240	SH	
DEVONIAN	9560	- 6112	9638	- 6190	78*		LS	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES            WELL ID NO. : 11C50            ELEVATION : 3358            TOTAL DEPTH : 13692  
 OPERATOR : UNION TEXAS CORP.            WELL : NO.1 ANDERSON  
 LOCATION : 1980 FNL, 660 FEL            SEC: 143            TNSP : 000G            RNG :            SUR : WT RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	410	2948	2200	1158	222	1790	SH, SD	EST
SANTA ROSA	1916	1442	2087	1271	82	171	SD, SH	
RUSTLER	2465	893	3525	- 167	----	1060	ANHY	
YATES	3525	- 167	3708	- 350	----	183	SD, SH	
WHITEHORSE GROUP	3525	- 167	4852	- 1494	----	1327	LS, ANHY, SD	
SAN ANDRES	4852	- 1494	6924	- 3566	----	2072	LS, DOL	
LEONARD (CF EQV)	6924	- 3566	8350	- 4992	----	1426	DOL	EST
SPRABERRY	8350	- 4992	9759	- 6401	----	1409	SD, SH	
DEAN	10150	- 6792	10313	- 6955	----	163	SD, SH	
WOLFCAMP	10313	- 6955	12397	- 9039	----	2084	SH, DTR, LS	
PENNSYLVANIAN	12397	- 9039	12952	- 9594	----	555	LS, SH	
MISSISSIPPIAN	12952	- 9594	13544	-10186	----	592	LS	
WOODFORD	13544	-10186	13625	-10267	----	81	SH	
SILURO-DEVONIAN	13625	-10267	13692	-10334	67+		LS	TU

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KD - GAINES                      WELL ID NO. : 11051                      ELEVATION : 3289                      TOTAL DEPTH : 14202  
 OPERATOR : DELHI                                      WELL : NO.1 OIL DEVEL. CO.  
 LOCATION : 660 FNL, 660 FWL                      SEC: 27                      TNSP : G                      RNG :                      SUR : G+M RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	9765	- 6476	11250	- 7961	----	1485	LS,SH,SD	
PENNSYLVANIAN	11250	- 7961	11860	- 8571	360	610	LS,SH,SD	
MISSISSIPPIAN	11860	- 8571	13210	- 9921	----	1350	LS,SH	
DEVONIAN	13210	- 9921	13545	-10256	----	335	LS	
FUSSELMAN	13545	-10256	13825	-10536	----	280	LS	
MONTUYA	13825	-10536	14010	-10721	----	185	LS	
SIMPSON	14010	-10721	14170	-10881	----	160	SH,SD	
ELLENBURGER	14170	-10881	14202	-10913	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KJ - GARZA                      WELL ID NO. : 10816                      ELEVATION : 2609                      TOTAL DEPTH : 8881  
 OPERATOR : FAIRWAY OIL AND GAS                      WELL : NO.1 RAINS  
 LOCATION : 535 FSL, 760 FWL                      SEC: 24                      TNSP : D-19                      RNG :                      SUR : DS+E RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	95	2514	673	1936	74	578	SH, SD	EST
SANTA ROSA	351	2258	584	2025	74	233	SD, SH	
RUSTLER	876	1733	1325	1284	----	449	ANHY	
YATES	1325	1284	1476	1133	----	151	SD, SH	
WHITEHORSE GROUP	1325	1284	2430	179	----	1105	SD, LS, SH	
SAN ANDRES	2430	179	3670	- 1061	----	1240	LS, SD	
GLOBIETA	3670	- 1061	3867	- 1258	----	197	SD, DOL	
CLEAR FORK	3867	- 1258	5042	- 2433	----	1175	DOL	
WICHITA EQV.	5042	- 2433	5807	- 3198	----	765	DOL, SD, SH	EQV
SPRABERRY EQV.	5807	- 3198	6368	- 3759	----	561	SD, SH	
WOLFCAMP	6666	- 4057	7974	- 5365	----	1308	SH, LS	
PENNSYLVANIAN	7974	- 5365	8490	- 5881	----	516	LS, SH	
MISSISSIPPIAN	8490	- 5881	8697	- 6088	----	207	LS	
ELLENBURGER	8697	- 6088	8881	- 6272	184*		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KJ - GARZA                      WELL ID NO. : 10B17                      ELEVATION : 2588                      TOTAL DEPTH : 3712  
 OPERATOR : SOCONY MOBIL OIL CO.                      WELL : NO.2 POST MONTGOMERY ESTATE  
 LOCATION : 1980 FNL, 1980 FWL                      SEC: 20                      TNSP : 0-19                      RNG :                      SUR : C+M RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	95	2493	668	1920	80	573	SH, SD	EST
SANTA ROSA	396	2192	556	2032	80	160	SD, SH	
RUSTLER	874	1714	1265	1323	----	391	ANHY	
YATES	1265	1323	1398	1190	----	133	SD, SH	
WHITEHORSE GROUP	1265	1323	2278	310	----	1013	SD, LS, SH	
SAN ANDRES	2278	310	3375	- 787	----	1097	LS, SD	
GLORIETA	3375	- 787	3650	- 1062	----	275	SD, DOL	
CLEAR FORK	3650	- 1062	3712	- 1124	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : NJ - GARZA                      WELL ID NO. : 10B19                      ELEVATION : 2471                      TOTAL DEPTH : 8278  
 OPERATOR : J. C. MAXWELL                      WELL : NO.1 K. STOKER  
 LOCATION : 660 FSL, 660 FEL                      SEC: 71                      TNSP : 0005                      RNG :                      SUR : GH+H RR

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
TRIASSIC	150	2321	600	1871	70	450	SH, SD	EST
SANTA ROSA	293	2178	499	1972	70	206	SD, SH	
RUSTLER	818	1653	1180	1291	----	362	ANHY	
YATES	1180	1291	1302	1169	----	122	SD, SH	
WHITEHORSE GROUP	1180	1291	2240	231	----	1060	SD, LS, SH	
SAN ANDRES	2240	231	3340	- 869	----	1100	LS, SD	
GLORIETA	3340	- 869	3552	- 1081	----	212	SD, LS	
CLEAR FORK EQV.	3552	- 1081	4638	- 2167	----	1086	DOL	EST
WICHITA EQV.	4638	- 2167	5583	- 3112	----	945	DOL	EST
SPRABERRY (LOWER)	5583	- 3112	5995	- 3524	----	412	SD, SH	
DEAN EQV.	6227	- 3756	6330	- 3859	----	103	SD, DOL	
WOLFCAMP	6330	- 3859	7703	- 5232	90	1373	SH, LS	
PENNSYLVANIAN	7703	- 5232	8011	- 5540	160	308	LS, SH	
MISSISSIPPIAN	8011	- 5540	8278	- 5807	170		LS	TD

REMARKS  
 EST. TOP ELLENBURGER 8305 (-5834). EST. MISS. LS THICKENS 294 FT.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : KJ - GARZA                      WELL ID NO. : 10820                      ELEVATION : 2556                      TOTAL DEPTH : 3594  
 OPERATOR : BROWN BROS.                      WELL : NO. A-1-G MONTGOMERY - DAVIES  
 LOCATION : 175 FNL, 2050 FWL                      SEC: 5                      TNSP : 0005                      RNG :                      SUR : K. AYCOCK

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	68	2488	729	1827	85	661	SH, SD	EST
SANTA ROSA	406	2150	626	1930	80	220	SD, SH	
RUSTLER	927	1629	1259	1297	----	332	ANHY	
YATES	1259	1297	1379	1177	----	120	SD, SH	
WHITEHORSE GROUP	1259	1297	2330	226	----	1071	SD, LS, SH	
SAN ANDRES	2330	226	3384	- 828	----	1054	LS, SD	
GLORIETA	3384	- 828	3594	- 1038	----		SD, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC. E AND C DEPT.

AUG 1971

COUNTY : KJ - GARZA WELL ID NO. : 10B21 ELEVATION : 2730 TOTAL DEPTH : 8705  
 OPERATOR : PAUL TEAS WELL : NO.1 FLETCHER - LOIT  
 LOCATION : 2201 FNL, 1782 FEL SEC: 1 TNSP :  RNG :  SUR : ABST 438, G.N. FLETCHER

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	2725	5	3834	- 1104	----	1109	LS, SD	EST
GLORIETA	3834	- 1104	4034	- 1304	----	200	SD, LS, SH	
SPRABERRY	5151	- 2421	6250	- 3520	----	1099	SD, SH	
DEAN	6600	- 3870	6790	- 4060	----	190	SD	
WOLFCAMP	6790	- 4060	8140	- 5410	40	1350	SH, LS	
PENNSYLVANIAN	8140	- 5410	8490	- 5760	230	350	LS, SH	
MISSISSIPPIAN	8490	- 5760	8680	- 5950	120	190	LS	
ELLENBURGER	8680	- 5950	8705	- 5975	25+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : KJ - GARZA                      WELL ID NO. : 10B22                      ELEVATION : 2491                      TOTAL DEPTH : 8470  
 OPERATOR : PAUL TEAS                      WELL : NO. 1-D J.D. SLAUGHTER  
 LOCATION : 660 FSL, 660 FWL                      SEC: 40                      TNSP : 0002                      RNG :                      SUR : T+NO RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	2650	- 159	3518	- 1027	----	868	LS, SD	EST
GLORIETA	3518	- 1027	3718	- 1227	----	200	LS, SH, SD	
SPRABERRY	5008	- 2517	6060	- 3569	----	1052	SD, SH	
DEAN	6414	- 3923	6560	- 4069	----	146	SD	
WOLFCAMP	6560	- 4069	7880	- 5389	30	1320	SH, LS	
PENNSYLVANIAN	7880	- 5389	8274	- 5783	240	394	LS, SH	
MISSISSIPPIAN	8274	- 5783	8430	- 5939	140	156	LS	
ELLENBURGER	8430	- 5939	8470	- 5979	40+		DOL	TU



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : KU - GARZA                      WELL ID NO. : 10B63                      ELEVATION : 2413                      TOTAL DEPTH : 8299  
 OPERATOR : ATLANTIC REF. CO.                      WELL : NO.1-B SWENSON  
 LOCATION : 660 FSL, 1980 FEL                      SEC: 60                      TNSP : 0008                      RNG :                      SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	765	1648	1770	643	----	1005	ANHY,SH	
SAN ANDRES	1770	643	2820	- 407	----	1050	LS,DOL,SH	
CLEAR FORK	2980	- 567	4950	- 2537	----	1970	DOL,SH	
WICHITA	4950	- 2537	6020	- 3607	----	1070	DOL,SH,SD	EST
WOLFCAMP	6020	- 3607	7190	- 4777	240	1170	SH,LS,SD	EST
PENNSYLVANIAN	7190	- 4777	7915	- 5502	280	725	LS,SH	
MISSISSIPPIAN	7915	- 5502	8250	- 5837	180	335	LS,SH	
WOODFORD - SIMPSON	8250	- 5837	8250	- 5837	----	0		UNC
ELLENBURGER	8250	- 5837	8299	- 5886	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : KJ - GARZA                      WELL ID NO. : 10C7                      ELEVATION : 2398                      TOTAL DEPTH : 8236  
 OPERATOR : JAMES BROWN                      WELL : NO.1-B SLAUGHTER  
 LOCATION : 660 FSL, 660 FWL                      SEC: 6                      TNSP : 0002                      RNG :                      SUR : T+NO RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	190	2208	572	1826	69	382	SH, SD	EST
SANTA ROSA	354	2044	493	1905	44	139	SD, SH	
RUSTLER	818	1580	1230	1168	----	412	ANHY	
YATES	1230	1168	1360	1038	----	130	SD, SH	
WHITEHORSE GROUP	1230	1168	2367	31	----	1137	SD, LS, SH	
SAN ANDRES	2367	31	3300	- 902	----	933	LS, SD	
GLORIETA	3300	- 902	3500	- 1102	----	200	LS, SH, SD	
SPRABERRY	4876	- 2478	5911	- 3513	----	1035	SD, SH	
DEAN	6188	- 3790	6369	- 3971	----	181	SD	
WOLFCAMP	6369	- 3971	7724	- 5326	190	1355	SH, LS	
PENNSYLVANIAN	7724	- 5326	8096	- 5698	260	372	LS, SH	
MISSISSIPPIAN	8096	- 5698	8236	- 5838	----		LS	TD

REMARKS  
 MISS. LS THICKNESS ESTIMATED 174 FT. TOP ELLENBURGER ESTIMATED AT  
 8270 FT. (-5820)

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

OORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : KJ - GARZA WELL ID NO. : 10C14 ELEVATION : 2312 TOTAL DEPTH : 8080

OPERATOR : RALPH E. FAIR, INC. WELL : NO.1 JUSTICE

LOCATION : 330 FSL, 990 FWL SEC: 18 TNSP : 0006 RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	128	2184	390	1922	42	262	SH, SD	EST
SANTA ROSA	144	2168	307	2005	32	163	SD, SH	
RUSTLER	610	1702	864	1448	----	254	ANHY	
YATES	864	1448	990	1322	----	126	SD, SH	
WHITEHORSE GROUP	864	1448	1866	446	----	1002	SD, LS, SH	
SAN ANDRES	1866	446	2953	- 641	----	1087	LS, SD	
GLORIETA	2953	- 641	3153	- 841	----	200	SD, LS, SH	
SPRABERRY EQUIVALENT	4500	- 2188	5552	- 3240	----	1052	SD, SH	EST
LOWER SPRABERRY	5070	- 2758	5552	- 3240	----	482	SD, SH	
DEAN EQUIVALENT	5940	- 3628	6079	- 3767	----	139	SD, LS	
WOLFCAMP	6079	- 3767	7476	- 5144	75	1397	SH, LS	
PENNSYLVANIAN	7476	- 5164	7815	- 5503	350	339	LS, SH	
MISSISSIPPIAN	7815	- 5503	7958	- 5646	143	143	LS	
WOODFORD - MONTOYA	7958	- 5646	7958	- 5646	----	0		UNC
ELLENBURGER	7958	- 5646	8080	- 5768	122+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 OORE LABORATORIES INC. E AND C DEPT.

AUG 1971

COUNTY : KL - GLASSCOCK      WELL ID NO. : 1004      ELEVATION : 2557      TOTAL DEPTH : 10963  
 OPERATOR : CONTINENTAL OIL CO.      WELL : NO.1 W.P. EDWARDS 15  
 LOCATION : 1980 FEL, 660 FNL      SEC: 15      TNSP : 0034      RNG :      SUR : TWP 2-S T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	2550	7	3905	- 1348	----	1355	LS, SD	EST
WORD SANDSTONE	3300	- 743	3905	- 1348	----	605	SD	
GLORIETA EQUIVALENT	3905	- 1348	4105	- 1548	----	200	SH, SD	EST
SPRABERRY	4950	- 2393	6760	- 4203	----	1810	SD, SH	
DEAN	6760	- 4203	6857	- 4300	----	97	SD	
WOLFCAMP	6857	- 4300	9560	- 7003	350	2703	SH, LS	
PENNSYLVANIAN	9560	- 7003	10020	- 7463	290	460	LS, SH	
MISSISSIPPIAN	10020	- 7463	10160	- 7603	110	140	LS	
WOODFORD	10160	- 7603	10250	- 7693	0	90	SH	
FUSSELMAN EQUIVALENT	10250	- 7693	10530	- 7973	160	280	LS, SH	EQU
SYLVAN SHALE	10530	- 7973	10545	- 7988	----	15	SH	
MONTOYA - SIMPSON	10545	- 7988	10545	- 7988	----	0		UNC
ELLENBURGER	10545	- 7988	10963	- 8406	418+		DOL	TD

REMARKS  
 UPPER PART OF FUSSELMAN PROBABLE EQUIVALENT TO SILURIAN SHALE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KL - GLASSCOCK      WELL ID NO. : 1005      ELEVATION : 2542      TOTAL DEPTH : 3018  
 OPERATOR : YOUNGBLOOD      WELL : NO.1 MC DOWELL  
 LOCATION : 1980 FEL, 660 FNL      SEC: 37      TNSP : 0034      RNG :      SUR : TWP 2-S T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	315	2227	745	1797	250	430	SH, SD	EST
SANTA ROSA	500	2042	684	1858	135	184	SD	
RUSTLER	1000	1542	1825	717	----	825	ANHY, SH	
YATES	1825	717	2010	532	----	185	SD, SH	
WHITEHORSE GROUP	1825	717	2678	- 136	----	853	SD, SH, LS	
SAN ANDRES	2678	- 136	3018	- 476	----		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : KL - GLASSCOCK      WELL ID NO. : 10D17      ELEVATION : 2651      TOTAL DEPTH : 2380  
 OPERATOR : SUN OIL CO.      WELL : NO.37 HART-PHILLIPS  
 LOCATION : 1739 FEL 907 FSL      SEC: 14      TNSP : 0033      RNG :      SUR : TWP 2-S T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	285	2366	1195	1456	115	910	SH, SD	EST
SANTA ROSA	420	2231	550	2101	65	130	SD, SH	
RUSTLER	1195	1456	1327	1324	----	132	ANHY, SH	
YATES	1327	1324	1450	1201	----	123	SD, SH	
WHITEHORSE GROUP	1327	1324	2185	466	----	858	SD, LS, ANHY	
SAN ANDRES	2185	466	2380	271	----		LS, ANHY	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KL - GLASSCOCK      WELL ID NO. : 10D18      ELEVATION : 2554      TOTAL DEPTH : 2725  
 OPERATOR : TENNECO OIL CO.      WELL : NO.2 H.R. CLAY A  
 LOCATION : 1650 FSL, 1650 FEL      SEC: 155      TNSP : 0029      RNG :      SUR : W\*NW RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	237	2317	1450	1104	85	1213	SH, SD	EST
SANTA ROSA	680	1874	873	1681	50	193	SD, SH	
RUSTLER	1450	1104	1540	1014	----	90	ANHY, SH	
YATES	1540	1014	1615	939	----	75	SD, SH	
WHITEHORSE GROUP	1615	939	2250	304	----	635	LS, ANHY	EQU
SAN ANDRES	2250	304	2554	0	----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : KL - GLASSCOCK      WELL ID NO. : 10050      ELEVATION : 2602      TOTAL DEPTH : 3265  
 OPERATOR : ROANOKE OIL + GAS CO.      WELL : NO.1 RATLIFF  
 LOCATION : 660 FEL, 1980 FSL      SEC: 186      TNSP : 0029      RNG :      SUR : N+NW RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	305	2297	1420	1182	100	1115	SH, SD	EST
SANTA ROSA	570	2032	685	1917	55	115	SD, SH	EST
RUSTLER	1420	1182	1496	1106	----	76	ANHY, SH	
YATES	1496	1106	1590	1012	----	94	SD, SH	
WHITEHORSE GROUP	1496	1106	2245	357	----	749	LS, SH, ANHY	
SAN ANDRES	2245	357	3265	663	----		LS	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : KL = GLASSCOCK      WELL ID NO. : 17A1      ELEVATION : 2552      TOTAL DEPTH : 9970  
 OPERATOR : UNION TEXAS PETH. CO.      WELL : NO.1 CAVERLY  
 LOCATION : 660 FWL, 660 FWL      SEC: 14      TNSP : 0035      RNG :      SUR : TWP 3-S T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	370	2182	870	1682	170	500	SH, SD	EST
SANTA ROSA	530	2022	708	1844	120	178	SD, SH	
RUSTLER-SALADO	1096	1456	1957	595	----	861	ANHY	
YATES	1957	595	2106	446	----	149	SD, SH	
WHITEHORSE GROUP	1957	595	3250	= 698	----	1293	LS, SD, ANHY	
SAN ANDRES	3250	= 698	4020	= 1468	----	770	LS, SD	
LEONARD	4020	= 1468	6220	= 3668	----	2200	SH, SD, LS	EST
SPRABERRY	6220	= 3668	7620	= 5068	----	1400	SD, SH	
DEAN	7713	= 5161	7910	= 5358	----	197	SD, SH	
WOLFCAMP	7910	= 5358	9812	= 7260	335	1902	SH, SD	
PENNSYLVANIAN	9812	= 7260	9970	= 7418	----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KL - GLASSCOCK      WELL ID NO. : 17A2      ELEVATION : 2714      TOTAL DEPTH : 10965  
 OPERATOR : JOHN J. EISNER      WELL : NO.1 CLARK  
 LOCATION : 660 FNL, 660 FWL      SEC: 42      TNSP : 0035      RNG :      SUR : TWP 4-S T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	285	2429	1135	1579	170	850	SH, SD	EST
SANTA ROSA	780	1934	974	1740	80	194	SD, SH	
RUSTLER-SALADO	1380	1334	2110	604	----	730	ANHY	
YATES	2110	604	2290	424	----	180	SD, SH	
WHITEHORSE GROUP	2210	504	3430	- 716	----	1220	LS, SD, ANHY	
SAN ANDRES	3430	- 716	4320	- 1606	----	890	LS, SD	
LEONARD	4320	- 1606	6592	- 3878	----	2272	SH, LS, SD	EST
SPRABERRY	6592	- 3878	7722	- 5008	----	1130	SD, SH	
DEAN	7985	- 5271	8170	- 5456	----	185	SD, SH	
WOLFCAMP	8170	- 5456	10130	- 7416	50	1960	SH, SD	
PENNSYLVANIAN	10130	- 7416	10650	- 7936	145	520	LS, SH	
MISSISSIPPIAN	10650	- 7936	10790	- 8076	20	140	SH, LS	
WOOUFORD	10790	- 8076	10843	- 8129	----	53	SH	
DEVONIAN	10843	- 8129	10965	- 8251	122+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KL - GLASSCOCK      WELL ID NO. : 17A3      ELEVATION : 2704      TOTAL DEPTH : 11600  
 OPERATOR : SINCLAIR      WELL : NO. 12 BOYD  
 LOCATION : 1980 FNL, 1880 FEL      SEC: 9      TNSP : 0036      RNG :      SUR : TWP 5-S T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	3400	- 696	4310	- 1606	-----	910	LS, SD EST	ABV
LEONARD	4310	- 1606	6682	- 3978	-----	2372	SH, LS, SD	EST
SPRABERRY	6682	- 3978	7780	- 5076	-----	1098	SD, SH	
DEAN	8080	- 5376	8250	- 5546	-----	170	SD, SH	
WOLFCAMP	8250	- 5546	10290	- 7586	-----	2040	SH, SD	
PENNSYLVANIAN	10290	- 7586	10790	- 8086	130	500	LS, SH	
MISSISSIPPIAN	10790	- 8086	10990	- 8286	70	200	SH, LS	EST
WOODFORD	10990	- 8286	11060	- 8356	-----	70	SH	
DEVONIAN	11060	- 8356	11370	- 8666	310	310	LS	
SILURIAN SHALE	11370	- 8666	11478	- 8774	-----	108	SH	
FUSSELMAN	11478	- 8774	11565	- 8861	87	87	LS	
SYLVAN SHALE	11565	- 8861	11600	- 8896	-----		SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : KL - GLASSCOCK      WELL ID NO. : 17A14      ELEVATION : 2710      TOTAL DEPTH : 10655  
 OPERATOR : TEXACO INC.      WELL : NO.1-E TEXACO FEE  
 LOCATION : 1980 FNL, 1980 FEL      SEC: 5      TNSP : 0033      RNG :      SUR : TWP 5-S

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	2700	10	3720	- 1010	-----	1020	LS, SD EST	ABV
LEONARD	3720	- 1010	5580	- 2870	-----	1860	SH, LS, SD	
SPRABERRY	5580	- 2870	6520	- 3810	-----	940	SD, SH	
DEAN	6908	- 4198	7068	- 4358	-----	160	SD, SH	
WOLFCAMP	7068	- 4358	9428	- 6718	-----	2360	SH, SD	
PENNSYLVANIAN	9428	- 6718	9770	- 7060	140	342	LS, SH	
MISSISSIPPIAN	9770	- 7060	9932	- 7222	100	162	SH, LS	EST
WOODFORD	9932	- 7222	9970	- 7260	-----	38	SH	
SILURO-DEV. (FUS. EQV)	9970	- 7260	10185	- 7475	215	215	LS	
SYLVAN SHALE	10185	- 7475	10233	- 7523	-----	48	SH	
ELLENBURGER	10233	- 7523	10655	- 7945	422*		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : KL - GLASSCOCK      WELL ID NO. : 17A53      ELEVATION : 2644      TOTAL DEPTH : 11476  
 OPERATOR : PHILLIPS PETR. CO.      WELL : NO.1 BERRY  
 LOCATION : 664 FNL, 658 FWL      SEC: 35      TNSP : 0036      RNG :      SUR : T-25, T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUR-SEA	DEPTH	SUB-SEA				
WHITEHORSE GROUP	2200	444	3320	- 676	----	1120	ANHY,SD,SH	
SAN ANDRES	3320	- 676	4400	- 1756	----	1080	LS,DOL,SD	
GLORIETA	4400	- 1756	4725	- 2081	----	325	SD,LS,SH	
LEONARD (CF EQV.)	4725	- 2081	6780	- 4136	----	2055	SH,LS	
SPRABERRY	6780	- 4136	8200	- 5556	----	1420	SD,SH	
DEAN	8200	- 5556	8375	- 5731	----	175	SD,SH	
WOLFCAMP	8375	- 5731	10175	- 7531	120	1800	SH,LS,SD	
PENNSYLVANIAN	10175	- 7531	10580	- 7936	220	405	LS,SH	
MISSISSIPPIAN	10580	- 7936	10950	- 8306	40	370	SH,LS	
WOODFORD	10950	- 8306	11010	- 8366	----	60	SH	
DEVONIAN	11010	- 8366	11375	- 8731	----	365	LS	
FUSSELMAN	11375	- 8731	11435	- 8791	----	60	LS	
MONTOYA - SIMPSON	11435	- 8791	11435	- 8791	----	0		UNC
ELLENBURGER	11435	- 8791	11476	- 8832	----		DOL	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LX - HOCKLEY      WELL ID NO. : 11A4      ELEVATION : 3440      TOTAL DEPTH : 11747  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO.1 CAMPBELL  
 LOCATION : 060 FNI • 1980 FWL      SEC: 116      TNSP : 000A      RNG :      SUR : R.M. THOMPSON

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	235	3205	1627	1813	365	1392	SH, SD	EST
SANTA ROSA	1292	2148	1542	1898	145	250	SD, SH	
RUSTLER	1754	1686	2209	1231	----	455	ANHY	
YATES	2209	1231	2365	1075	----	156	SD, SH	
WHITEHORSE GROUP	2209	1231	3405	35	----	1196	LS, SD, ANHY	
SAN ANDRES	3405	35	4892	- 1452	----	1487	LS, DOL	
GLORIETA	4892	- 1452	5018	- 1578	----	126	DOL, SD	
CLEAR FORK	5018	- 1578	7165	- 3725	----	2147	DOL	
TUBB	6065	- 2625	6340	- 2900	----	275	SD, DOL	
WICHITA EQV.	7172	- 3732	8757	- 5317	----	1585	DOL, SH	EST
ABO REEF	7945	- 4505	8558	- 5118	----	613	DOL	
WOLFCAMP	8757	- 5317	9980	- 6540	520	1223	SH, LS, DTR	
PENNSYLVANIAN	9980	- 6540	10847	- 7407	240	867	LS, SH	
ATOKA	10385	- 6945	10847	- 7407	----	462	SH	EST
MISSISSIPPIAN	10847	- 7407	11396	- 7956	549	549	LS	
WOODFORD	11396	- 7956	11412	- 7972	----	16	SH	
DEVONIAN - U. GROOV.	11412	- 7972	11412	- 7972	----	0		UNC
ELLENBURGER	11412	- 7972	11598	- 8158	186+	186	DOL	
GRANITE WASH	11598	- 8158	11725	- 8285	----	127	GTW	
PRE-CAMBRIAN	11725	- 8285	11747	- 8307	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : LX - HUCKLEY      WELL ID NO. : 11A5      ELEVATION : 3393      TOTAL DEPTH : 11700  
 OPERATOR : TEXACO INC.      WELL : NO-1 K.W. WELLS  
 LOCATION : 1980 FSL, 1980 FEL      SEC: 112      TNSP : 000A      RNG :      SUR : R.M. THOMPSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	3450	- 57	4976	- 1583	----	1526	LS, DOL	ABV
GLORIETA	4976	- 1583	5084	- 1691	----	108	DOL, SD	
CLEAR FORK	5084	- 1691	7200	- 3807	----	2116	DOL	
TUBB	6150	- 2757	6348	- 2955	----	198	DOL, SD	
WICHITA EQV.	7200	- 3807	8790	- 5397	----	1590	DOL, SH	EST
ABO REEF	7820	- 4427	9260	- 5867	----	1440	DOL	EST
WOLFCAMP	8792	- 5399	9930	- 6537	450	1138	SH, LS	EST
PENNSYLVANIAN	9930	- 6537	10997	- 7604	440	1067	LS	
ATOKA	10673	- 7280	10997	- 7604	----	324	SH, LS	
MISSISSIPPIAN	10997	- 7604	11430	- 8037	433	433	LS	
WOODFORD	11430	- 8037	11488	- 8095	----	58	SH	
DEVONIAN - U. ORDOV.	11488	- 8095	11488	- 8095	----	0		UNC
ELLENBURGER	11488	- 8095	11700	- 8307	512+		DOL	TD

REMARKS  
 THIS WELL APPEARS TO BE ON ABO SHELF MARGIN. GOOD APPARENT POROSITY  
 IN REEF 7900-8800.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : LX - HUCKLEY      WELL ID NO. : 11A7      ELEVATION : 3399      TOTAL DEPTH : 10525  
 OPERATOR : GREAT WESTERN      WELL : NO.1 COPELAND  
 LOCATION : 660 FSL, 660 FWL      SEC:      TNSP :      RNG :      SUR : LBR 11 LGE 709, SCL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	368	3031	1788	1611	295	1420	SH, SD	EST
SANTA ROSA	1506	1893	1702	1697	140	196	SD, SH	
RUSTLER	1872	1527	2385	1014	----	513	ANHY	
YATES	2385	1014	2578	821	----	193	SD, SH	
WHITEHORSE GROUP	2385	1014	3545	- 146	----	1160	LS, SD, ANHY	
SAN ANDRES	3545	- 146	5069	- 1670	----	1524	LS, DOL	
GLORIETA	5069	- 1670	5196	- 1797	----	127	DOL, SD	
CLEAR FORK	5196	- 1797	7355	- 3956	----	2159	DOL	
TUBB EQV.	6345	- 2946	6550	- 3151	----	205	SD, DOL	
WICHITA EQV.	7355	- 3956	8382	- 4983	----	1027	DOL, SH	EST
WOLFCAMP	8382	- 4983	9885	- 6486	320	1503	SH, LS	
PENNSYLVANIAN	9885	- 6486	10525	- 7126	----		LS, SH	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LX - HOCKLEY      WELL ID NO. : 11A8      ELEVATION : 3414      TOTAL DEPTH : 10010  
 OPERATOR : HAMON AND CHAMPLIN      WELL : NO.1-A KELLY  
 LOCATION : 660 FNL, 1980 FEL      SEC: 46      TNSP : 000A      RNG :      SUR : R.M. THOMPSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	399	3015	1799	1615	280	1400	SH, SD	EST
SANTA ROSA	1620	1794	1738	1676	110	118	SD, SH	
RUSTLER	1950	1464	2500	219	----	550	ANHY	
YATES	2500	914	2640	774	----	140	SD, SH	
WHITEHORSE GROUP	2500	914	3690	- 276	----	1190	SD, LS, ANHY	
SAN ANDRES	3690	- 276	5157	- 1743	----	1467	LS, DOL	
GLORIETA	5157	- 1743	5290	- 1876	----	133	SD, DOL	
CLEAR FORK	5290	- 1876	7350	- 3936	----	2060	DOL	
WICHITA EQV.	7350	- 3936	8460	- 5046	----	1110	DOL, SH	EST
WOLFCAMP	8460	- 5046	9847	- 6433	125	1387	SH, LS	
PENNSYLVANIAN	9847	- 6433	10010	- 6596	----		LS, SH	TD

REMARKS  
 LOWER PART OF CLEAR FORK APPEARS POROUS 6800 - 7300 FT.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : LX - HOCKLEY      WELL ID NO. : 11A9      ELEVATION : 3456      TOTAL DEPTH : 10152  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO.108-A ELLWOOD ESTATE  
 LOCATION : 1320 FEL, 660 FSL      SEC: 15      TNSP : 000A      RNG :      SUR : R.M. THOMPSON

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	348	3108	1934	1522	230	1586	SH, SD	EST
SANTA ROSA	1673	1782	1880	1576	105	207	SD, SH	
RUSTLER	2143	1313	2712	744	----	569	ANHY	
YATES	2712	744	2843	613	----	131	SD, SH	
WHITFHORSE GROUP	2712	744	3900	- 444	----	1188	SD,LS,ANHY	
SAN ANDRES	3900	- 444	5309	- 1853	----	1409	LS, DOL	
GLORIETA	5309	- 1853	5437	- 1981	----	128	SD, DOL	
CLEAR FORK	5437	- 1981	7153	- 3697	----	1716	DOL	
WICHITA (BASIN EQV.)	7153	- 3697	8604	- 5148	----	1451	DOL, SH	EST
WOLFCAMP	8604	- 5148	10010	- 6554	80	1406	SH, LS	
PENNSYLVANIAN	10010	- 6554	10152	- 6696	----		LS,SH	TD

REMARKS  
 WICHITA EQUIVALENT IS IN BASIN FACIES. CLEAR FORK APPEARS CLEAN AND  
 POROUS 6500 - 7100 FT.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LX - HOCKLEY      WELL ID NO. : 11A11      ELEVATION : 3487      TOTAL DEPTH : 10440  
 OPERATOR : CONTINENTAL OIL CO.      WELL : NO.1 EFFIE WILSON  
 LOCATION : 660 FNL, 660 FEL      SEC:      TNSP :      RNG :      SUR : LBR 10 LGE 26 LAMAR CSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	372	3115	2042	1445	170	1670	SH, SD	EST
SANTA ROSA	1753	1734	1980	1507	80	227	SD, SH	
RUSTLER	2212	1275	2825	662	----	613	ANHY	
YATES	2825	662	2962	525	----	137	SD, SH	
WHITEHORSE	2825	662	4048	- 561	----	1223	SD,LS,ANHY	
SAN ANDRES	4048	- 561	5608	- 2121	----	1560	LS, DOL	
GLORIETA	5608	- 2121	5736	- 2249	----	128	SD, DOL	
CLEAR FORK	5736	- 2249	7468	- 3981	----	1732	DOL	
WICHITA EQV.	7468	- 3981	8679	- 5192	----	1211	DOL, SH	EST
WOLFCAMP	8679	- 5192	10166	- 6679	230	1487	SH, LS	
PENNSYLVANIAN	10166	- 6679	10440	- 6953	----		LS, SH	TD

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LX - HOCKLEY      WELL ID NO. : 11A13      ELEVATION : 3692      TOTAL DEPTH : 10273  
 OPERATOR : SLICK OIL CO.      WELL : NO.1 SLAUGHTER  
 LOCATION : LBR 85 LGE 82 660 FSL,660SEC:      TNSP :      RNG :      SUR : SHACKELFORD CSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	357	3335	1993	1699	275	1636	SH, SD	EST
SANTA ROSA	1782	1910	1950	1742	90	168	SD, SH	
RUSTLER	2080	1612	2496	1196	-----	416	ANHY	
YATES	2496	1196	2612	1080	-----	116	SD, SH	
WHITEHORSE GROUP	2496	1196	3645	47	-----	1149	SD,LS,ANHY	
SAN ANDRES	3645	47	5138	- 1446	-----	1493	LS, DOL	
GLORIETA	5138	- 1446	5315	- 1623	-----	177	SD, DOL	
CLEAR FORK	5315	- 1623	6966	- 3274	-----	1651	DOL	
TUBB	6286	- 2594	6482	- 2790	-----	196	DOL, SD	
ABO	6966	- 3274	7936	- 4244	-----	970	DOL, SH	
WOLFCAMP	7936	- 4244	9702	- 6010	480	1766	SH, DTR	EST
PENNSYLVANIAN	9702	- 6010	10273	- 6581	160		LS, SH	EST TD

REMARKS  
 WOLFCAMP AND PENN. TOPS ARE SPECULATIVE.

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CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LX - HUCKLEY      WELL ID NO. : 11A15      ELEVATION : 3564      TOTAL DEPTH : 11455  
 OPERATOR : HAMON AND STANOLIND      WELL : NO.1 BOWMAN  
 LOCATION : 660 FSL, 660 FEL      SEC:      TNSP :      RNG :      SUR : LBR 21 LGE 720 A + T

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RUSTLER	2032	1532	2600	964	----	568	ANHY	
YATES	2600	964	2770	794	----	170	SD, SH	
WHITEHORSE GROUP	2600	964	3750	- 186	----	1150	LS, ANHY, SD	
SAN ANDRES	3750	- 186	5292	- 1728	----	1542	LS, DOL	
GLORIETA	5292	- 1728	5450	- 1886	----	158	SD, DOL	
CLEAR FORK	5450	- 1886	7511	- 3947	----	2061	DOL, ANHY	
TUBB	6532	- 2968	6760	- 3196	----	228	DOL, SD	
WICHITA EQV.	7511	- 3947	8291	- 4727	----	780	DOL, SH	
WOLFCAMP	8291	- 4727	9915	- 6351	400	1624	SH, LS	
PENNSYLVANIAN	9915	- 6351	10756	- 7192	250	841	LS, SH	
MISSISSIPPIAN	10756	- 7192	11172	- 7608	365	416	LS	
WOODFORD	11172	- 7608	11240	- 7676	----	68	SH	
DEVONIAN - U. ORDOV.	11240	- 7676	11455	- 7891	----	215		UNC
ELLENBURGER	11172	- 7608	11455	- 7891	283+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LX - HUCKLEY      WELL ID NO. : 11A16      ELEVATION : 3347      TOTAL DEPTH : 10360  
 OPERATOR : SIGNAL OIL AND GAS      WELL : NO.1 NELSON - AMICABLE  
 LOCATION : 200 FNL, 200 FEL      SEC:      TNSP :      RNG :      SUR : LBR 22 LGE 3 JONES CSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	380	2967	1780	1567	248	1400	SH, SD	EST
SANTA ROSA	1490	1857	1698	1649	88	208	SD, SH	
RUSTLER	1958	1389	2522	825	----	564	ANHY	
YATES	2522	825	2721	626	----	199	SD, SH	
WHITEHORSE GROUP	2522	825	3810	- 463	----	1288	SD,LS,ANHY	
SAN ANDRES	3810	- 463	5307	- 1960	----	1497	LS, DOL	
CLEAR FORK	5307	- 1960	7404	- 4057	----	2097	DOL	
WICHITA EQV.	7404	- 4057	8579	- 5232	----	1175	DOL, SH	EST
WOLFCAMP	8579	- 5232	9961	- 6614	50	1382	SH, LS	
PENNSYLVANIAN	9961	- 6614	10360	- 7013	320		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LX - HUCKLEY      WELL ID NO. : 11A51      ELEVATION : 3632      TOTAL DEPTH : 11449  
 OPERATOR : BIG CHIEF ORLG. CO.      WELL : NO.1 DE LOACHE  
 LOCATION : REEVES CSL, 660 FNL, 660 SEC:      TNSP :      RNG :      SUR : LAB. 22, LGE. 77

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	3670	- 38	5070	- 1438	----	1400	LS,SH,DOL	
GLORIETA	5070	- 1438	5295	- 1663	----	225	SD,LS	
CLEAR FORK	5295	- 1663	7000	- 3368	----	1705	SH,DOL,LS	
WICHITA	7000	- 3368	8030	- 4398	----	1030	SH,LS,DOL	EST
WOLFCAMP	8030	- 4398	9550	- 5918	280	1520	SH,LS,DTR	
PENNSYLVANIAN	9550	- 5918	10960	- 7328	310	1410	LS,SH	
MISSISSIPPIAN	10960	- 7328	11115	- 7483	95	155	LS,SH	
SILURO-DEVONIAN	11115	- 7483	11300	- 7668	----	185	LS,SH	
ELLENBURGER	11300	- 7668	11435	- 7803	----	135	DOL	ERD
PRE-CAMBRIAN	11435	- 7803	11449	- 7817	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : LX - HUCKLEY      WELL ID NO. : 1188      ELEVATION : 3443      TOTAL DEPTH : 10372  
 OPERATOR : GREATHOUSE ET AL      WELL : NO.1 RUSSELL BEAN  
 LOCATION : 660 FSL, 2411 FEL      SEC: 16      TNSP :      RNG :      SUR : LGE 22 MC CULLOCH CSL

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	410	3033	2110	1333	195	1700	SH, SD	EST
SANTA ROSA	1881	1562	2027	1416	65	146	SD, SH	
RUSTLER	2241	1202	2949	494	----	708	ANHY	
YATES	2949	494	3100	343	----	151	SD, SH	
WHITEHORSE GROUP	2949	494	4260	- 817	----	1311	LS, ANHY, SD	
SAN ANDRES	4260	- 817	5836	- 2393	----	1576	LS, DOL, SD	
GLORIETA	5836	- 2393	5920	- 2477	----	84	SD, DOL	
CLEAR FORK	5920	- 2477	7446	- 4003	----	1526	DOL, SH	
WICHITA EQV.	7446	- 4003	8660	- 5217	----	1214	DOL, SH	EST
DEAN EQV	8429	- 4986	8660	- 5217	----	231	SD, SH	EST
WOLFCAMP	8660	- 5217	10308	- 6865	310	1648	LS, SH, DTR	
PENNSYLVANIAN	10308	- 6865	10372	- 6929	----		LS, SH	TD

REMARKS  
 TRIASSIC SANDS ARE OF POOR QUALITY.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : PB - HOWARD                      WELL ID NO. : 10CS1                      ELEVATION : 2507                      TOTAL DEPTH : 9790  
 OPERATOR : CHEYENNE OIL CO.                      WELL : NO.2 CLAYTON - JOHNSON  
 LOCATION : 663 FNL, 664 FSL                      SEC: 40                      TNSP : 0032                      RNG :                      SUR : TWP 4-N T+P RR

FORMATION	DEPTH	TOP	SUB-SEA	DEPTH	BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	2850	-	343	4100	-	1593	----	1250	LS, SD	ABV
GLORIETA	4100	-	1593	4300	-	1793	----	200	DOL, LS	EST
SPRABERRY	5920	-	3413	7000	-	4493	----	1080	SD, SH	
DEAN	7250	-	4743	7433	-	4926	----	183	SD	
WOLFCAMP	7433	-	4926	8187	-	5680	0	754	SH, LS	
PENNSYLVANIAN	8187	-	5680	9350	-	6843	580	1163	LS, SH	
MISSISSIPPIAN	9350	-	6843	9660	-	7153	310	310	LS	
WOODFORD	9660	-	7153	9697	-	7190	----	37	SH	
DEVONIAN	9697	-	7190	9790	-	7283	93+		LS, CHT	TD

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REMARKS  
 CORRELATIONS FROM S.P. LOG. WELL LOG BEGINS BELOW TOP OF SAN AN-  
 DRES.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

AUG 1971

COUNTY : PB - HOWARD      WELL ID NO. : 1003      ELEVATION : 2511      TOTAL DEPTH : 7900  
 OPERATOR : FOREST OIL CO.      WELL : NO-1 N.H. REED  
 LOCATION : 1980 FNL, 1980 FEL      SEC: 23      TNSP : 0025      RNG :      SUR : H + TC RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	375	2136	798	1713	97	423	SH, SD	EST
SANTA ROSA	660	1851	798	1713	57	138	SD, SH	
RUSTLER	1102	1409	1540	971	----	438	ANHY	
YATES	1540	971	1677	834	----	137	LS, SD	
WHITEHORSE-SAN ANDRES	1540	971	4243	- 1732	----	2703	LS, ANHY	
GLORIETA EQUIVALENT	4243	- 1732	4443	- 1932	----	200	SD, SH, LS	EQV
SPRABERRY	5066	- 2555	6165	- 3654	----	1099	SD, SH	
DEAN	6413	- 3902	6515	- 4004	----	102	SD	
WOLFCAMP	6515	- 4004	7782	- 5271	280	1267	SH, LS, SD	
PENNSYLVANIAN	7782	- 5271	7900	- 5389	----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : PB - HOWARD      WELL ID NO. : 10D12      ELEVATION : 2382      TOTAL DEPTH : 2808

OPERATOR : FLEMING OIL CO.      WELL : NO.7 ABRAMS

LOCATION : 1980 FNL, 330 FSL      SEC: 45      TNSP : 0030      RNG :      SUR : TWP 1-S

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	150	2232	835	1547	75	685	SH, SD	EST
SANTA ROSA	654	1728	794	1588	40	140	SD, SH	
RUSTLER	1013	1369	1080	1302	----	67	ANHY, SH	
YATES	1080	1302	1150	1232	----	70	SD, SH	
WHITEHORSE GROUP	1080	1302	1800	582	----	720	SD, SH, ANHY	
SAN ANDRES	1800	582	2808	426	----		LS, SH, SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : PB - HOWARD      WELL ID NO. : 10D16      ELEVATION : 2624      TOTAL DEPTH : 2664

OPERATOR : ARGUS PRODUCTION CO.      WELL : NO.6 CLAY

LOCATION : 330 FSE OF W/2 OF SE/4      SEC: 127      TNSP : 0029      RNG :      SUR : W+NW RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	290	2334	1280	1344	92	990	SH, SD	EST
SANTA ROSA	720	1904	885	1739	52	105	SD, SH	EST
RUSTLER	1280	1344	1352	1272	----	72	ANHY, SH	
YATES	1352	1272	1462	1162	----	110	SD, SH	
WHITEHORSE GROUP	1352	1272	2070	554	----	718	LS, ANHY	EQU
SAN ANDRES	2070	554	2624	0	----		LS	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : PB - HOWARD      WELL ID NO. : 10D22      ELEVATION : 2496      TOTAL DEPTH : 9457  
 OPERATOR : AMERADA PETR. CO.      WELL : NO. 1 OLLIE ANDERSON  
 LOCATION : 1990 FNL, 660 FWL      SEC: 41      TNSP : 0031      RNG :      SUR : TWP 1-N T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	230	2266	695	1801	130	465	SD, SH	EST
SANTA ROSA	515	1981	695	1801	70	180	SD	
RUSTLER	1078	1418	1573	923	----	495	ANHY	
YATES	1573	923	1708	788	----	135	LS, SD	
WHITEHORSE-SAN ANDRES	1573	923	4190	- 1694	----	2617	LS, ANHY, SD	
GLORIETA EQUIVALENT	4190	- 1694	4390	- 1894	----	200	SD, SH	EST
SPRABERRY	5312	- 2816	6160	- 3664	----	848	SD, SH	
DEAN	6530	- 4034	6614	- 4118	----	84	SD	
WOLFCAMP	6614	- 4118	8812	- 6316	280	2198	SH, SD, LS	
PENNSYLVANIAN	8812	- 6316	9150	- 6654	140	338	LS, SH	
MISSISSIPPIAN	9150	- 6654	9350	- 6854	200	200	LS	
WOODFORD	9350	- 6854	9405	- 6909	----	55	SH	
DEVONIAN	9405	- 6909	9405	- 6909	----	0		UNC
FUSSELMAN	9405	- 6909	9424	- 6928	19	19	LS	
SYLVAN SHALE	9424	- 6928	9457	- 6961	----		SH	TD

REMARKS  
 TD IN SYLVAN SHALE, EROSIONAL UNCONFORMITY BETWEEN WOODFORD AND  
 FUSSELMAN.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : PB - HOWARD      WELL ID NO. : 10D23      ELEVATION : 2652      TOTAL DEPTH : 9687  
 OPERATOR : TEXAS PACIFIC C+O CO.      WELL : NO.1 DAVE CHRISTIAN  
 LOCATION : 660 FNL, 1980 FEL      SEC: 48      TNSP : 0032      RNG :      SUR : TWP 2-N T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	452	2200	896	1756	160	444	SD, SH	EST
SANTA ROSA	750	1902	896	1756	68	146	SD	
RUSTLER	1250	1402	1738	914	----	488	ANHY	
YATES	1738	914	1882	770	----	144	LS, SD	
WHITEHORSE-SAN ANDRES	1738	914	4208	- 1556	----	2470	LS, ANHY	
GLORIETA EQUIVALENT	4208	- 1556	4408	- 1756	----	200	SD, SH, LS	EQV
SPRABERRY	5105	- 2453	6494	- 3842	----	1389	SD, SH	
DEAN	6810	- 4158	6918	- 4266	----	108	SD	
WOLFCAMP	6918	- 4266	8598	- 5946	420	1680	SH, LS, SD	
PENNSYLVANIAN	8598	- 5946	9387	- 6735	425	789	LS	
MISSISSIPPIAN	9387	- 6735	9600	- 6948	213	213	LS	
WOODFORD	9600	- 6948	9663	- 7011	----	63	SH	
DEVONIAN	9663	- 7011	9663	- 7011	----	0		UNC
FUSSELMAN	9663	- 7011	9687	- 7035	24		LS	TD

REMARKS  
 TD IN FUSSELMAN LS. EROSIONAL UNCONFORMITY BETWEEN WOODFORD AND FUSSELMAN.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : PB - HOWARD WELL ID NO. : 10D24 ELEVATION : 2407 TOTAL DEPTH : 9350

OPERATOR : AMERADA PETR. CO. WELL : NO.1 M.K. FURRH

LOCATION : NE/4 OF NE/4 SEC: 5 TNSP : 0031 RNG : SUR : TWP 1-S T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	136	2271	567	1840	150	431	SH, SD	EST
SANTA ROSA	434	1973	567	1840	65	133	SD, SH	
RUSTLER	940	1467	1438	969	----	498	ANHY	
YATES	1438	969	1573	834	----	135	SD, LS	
WHITEHORSE-SAN ANDRES	1438	969	4192	- 1785	----	2754	LS, SD, ANH	
SAN ANDRES	2505	- 98	4192	- 1785	----	1687	LS, ANHY	
GLORIETA EQUIVALENT	4192	- 1785	4392	- 1985	----	200	SH, SD	EST
SPRABERRY	5035	- 2628	6269	- 3862	----	1234	SD, SH	
DEAN	6269	- 3862	6358	- 3951	----	89	SD	
WOLFCAMP	6358	- 3951	8710	- 6303	340	2352	SH, LS, SD	
PENNSYLVANIAN	8710	- 6303	9050	- 6643	190	340	LS, SH	
MISSISSIPPIAN	9050	- 6643	9228	- 6821	178	178	LS	
WOODFORD	9228	- 6821	9282	- 6875	----	54	SH	
FUSSELMAN	9282	- 6875	9320	- 6913	38	38	LS	
SYLVAN	9320	- 6913	9350	- 6943	----		SH	TD

REMARKS  
 TD IN SYLVAN SHALE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
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JUN 1971

COUNTY : PB - HOWARD                      WELL ID NO. : 10063                      ELEVATION : 2595                      TOTAL DEPTH : 10470  
 OPERATOR : ANADARKO PROD. CO.                      WELL : NO.1-A PAGE  
 LOCATION : 660 FSL, 660 FEL                      SEC: 19                      TNSP : 0034                      RNG :                      SUR : T-2N, T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	3600	- 1005	4560	- 1965	----	960	LS,SD,ANHY	EST
LEONARD UNDIFF.	4720	- 2125	6560	- 3965	----	1840	SH,LS,SD	
SPRABERRY	6560	- 3965	7550	- 4955	----	990	SH,SD	
DEAN	7550	- 4955	7685	- 5090	----	135	SH,SD	
WOLFCAMP	7685	- 5090	9107	- 6512	0	1422	SH	
PENNSYLVANIAN	9107	- 6512	10090	- 7495	480	983	LS,SH	
MISSISSIPPIAN	10090	- 7495	10360	- 7765	240	270	LS,SH	EST
WOODFORD	10360	- 7765	10440	- 7845	----	80	SH	
DEVONIAN	10440	- 7845	10470	- 7875	----		LS	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : PD - HUDSPETH      WELL ID NO. : TG-24      ELEVATION : 3878      TOTAL DEPTH : 4797  
 OPERATOR : GENERAL CRUDE      WELL : NO.1 MERRILL AND VOYLES  
 LOCATION : NO/4 OF NO/4      SEC: 8      TNSP : 69      RNG :      SUR : T-2, T+P RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
QUATERNARY ALLUVIUM	0	3878	180	3698	-----	180	SD,SH	EST
LEONARD UNDIFF.	180	3698	1500	2378	-----	1320	LS,SH	EST
WOLFCAMP	1500	2378	2220	1658	-----	720	LS,SH,SD	EST
POW WOW CONGLOMERATE	2100	1778	2220	1658	-----	120	CONG.	
PENNSYLVANIAN	2220	1658	2365	1513	-----	145	SH,LS	
MISSISSIPPIAN	2365	1513	2540	1338	-----	175	SH,LS	
WOODFORD	2540	1338	2565	1313	-----	25	SH	
FUSSELMAN	2565	1313	3380	498	-----	815	LS	
MONTOYA	3380	498	3690	188	-----	310	LS	
ELLENBURGER	3690	188	4770	- 892	-----	1080	DOL,LS	
PRE-CAMBRIAN	4770	- 892	4797	- 919	-----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : PD - HUDSPETH      WELL ID NO. : TG-25      ELEVATION : 4040      TOTAL DEPTH : 4502  
 OPERATOR : ALBERT R. JONES      WELL : NO.1 MOWRY  
 LOCATION : 1980 FSL, 660 FEL      SEC: 36      TNSP : 70      RNG :      SUR : T-2,T+P RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
LEONARD	25	4015	1956	2084	----	1931	SH,SD,LS	
WOLFCAMP	1956	2084	2122	1918	----	166	CONG.	
POW WOW CONGLOMERATE	1956	2084	2122	1918	----	166	CONG.	
PENNSYLVANIAN	2122	1918	2260	1780	----	138	SH,LS	
MISSISSIPPIAN	2260	1780	2909	1131	----	649	SH,LS	
PERCHA	2909	1131	2969	1071	----	60	SH	
DEVONIAN	2969	1071	3069	971	----	100	LS	
FUSSELMAN	3069	971	3925	115	----	856	LS	
MONTOYA	3925	115	4145	- 105	----	220	LS	
ELLENBURGER	4145	- 105	4502	- 462	----		DOL,LS	Td

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : PD - HUDSPETH      WELL ID NO. : T6-28      ELEVATION : 4420      TOTAL DEPTH : 1179  
 OPERATOR : HUNDALL ET AL      WELL : NO.1 PIERCE  
 LOCATION : SW/4 OF SW/4      SEC: 8      TNSP : 46      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
POW WOW CONGLOMERATE	368	4052	385	4035	----	17	CONG.	
MONTOYA	385	4035	486	3934	----	101	LS	
EL PASO	486	3934	1179	3241	----		LS,SD	TD

REMARKS  
 ELEVATION IS ESTIMATED FROM TOPOGRAPHIC MAP. ALL TOPS RERORTED.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
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JUL 1971

COUNTY : PD - HUDSPETH      WELL ID NO. : TG-30      ELEVATION : 4910      TOTAL DEPTH : 8250  
 OPERATOR : HASSIE HUNT TRUST      WELL : NO.1 UNIV. M-49  
 LOCATION : 1980 FSL, 1980 FWL      SEC: 49      TNSP : M      RNG :      SUR : UNIVERSITY LANDS

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CRETACEOUS UNDIFF.	30	4880	330	4580	----	300	LS,SH	
WOLFCAMP	330	4580	3340	1570	----	3010	SH,LS	
PENNSYLVANIAN	3340	1570	5060	- 150	----	1720	LS,SH	
MISSISSIPPIAN	5060	- 150	5225	- 315	100	165	SH,LS	
WOODFORD	5225	- 315	5295	- 385	----	70	SH	
FUSSELMAN	5295	- 385	5945	- 1035	----	650	LS	
MONTOYA	5945	- 1035	6170	- 1260	----	225	LS	
ELPASO	6170	- 1260	8200	- 3290	----	2030	LS,DOL,SH	
PRE-CAMBRIAN	8200	- 3290	8250	- 3340	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : PK - IRION                      WELL ID NO. : 1787                      ELEVATION : 2338                      TOTAL DEPTH : 9150  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.23-J BLAKELY  
 LOCATION : 100 FNL, 660 FWL                      SEC:                      TNSP :                      RNG :                      SUR : J.F. MORGAN

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUR-SEA	DEPTH	SUB-SEA				
TRIASSIC	362	1976	576	1762	40	214	SH	EST
RUSTLER	680	1658	809	1529	----	129	ANHY	
YATES	809	1529	965	1373	----	156	SH, SD	
WHITEHORSE GROUP	809	1529	1700	638	----	891	LS,SD,ANHY	
SAN ANDRES	1700	638	2930	- 592	----	1230	LS, SD	
LEONARD	2930	- 592	5690	- 3352	----	2760	SH, LS, SD	EST
WOLFCAMP	5690	- 3352	8540	- 6202	75	2850	SH, SD	EST
PENNSYLVANIAN	8540	- 6202	8700	- 6362	90	160	LS	
MISSISSIPPIAN	8700	- 6362	8700	- 6362	----	0		UNC
WOODFORD	8700	- 6362	8750	- 6412	----	50	SH	
DEVONIAN	8750	- 6412	8750	- 6412	----	0		UNC
FUSSELMAN	8750	- 6412	8890	- 6552	140	140	LS	ERD
SYLVAN SHALE	8890	- 6552	8920	- 6582	----	30	SH	
ELLENBURGER	8920	- 6582	9150	- 6812	230*		00L	ERD TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : PK - IRION                      WELL ID NO. : 1788                      ELEVATION : 2596                      TOTAL DEPTH : 4820  
 OPERATOR : MURPHY BAXTER                      WELL : NO.1-A SUGGS  
 LOCATION : 660 FSL, 1980 FEL                      SEC: 59                      TNSP : 0014                      RNG :                      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	620	1976	730	1866	0	110	SH	EST
RUSTLER	875	1721	1000	1596	----	125	ANHY	
YATES	1000	1596	1103	1493	----	103	SH, SD	
WHITEHORSE GROUP	1000	1596	1800	796	----	800	LS, SH, ANHY	
SAN ANDRES	1800	796	3130	- 534	----	1330	SD, LS	
LEONARD	3130	- 534	4820	- 2224	----		SH, LS, SD	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : PK - IRION                      WELL ID NO. : 1789                      ELEVATION : 2499                      TOTAL DEPTH : 4762  
 OPERATOR : VANDEVER PETH. CORP.                      WELL : NO.1-B SUGG  
 LOCATION : 660 FNL, 660 FEL                      SEC: 97                      TNSP : 0014                      RNG :                      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	605	1894	701	1798	0	96	SH	EST
RUSTLER	810	1689	978	1521	----	168	ANHY	
YATES	978	1521	1080	1419	----	102	SH, SD	
WHITEHORSE GROUP	978	1521	1812	687	----	834	SH, LS, SD	
SAN ANDRES	1812	687	3150	- 651	----	1338	LS, SD	
LEONARD (CF EQV.)	3150	- 651	4762	- 2263	----		SH, SD, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

AUG 1971

COUNTY : PK - IRION                      WELL ID NO. : 17815                      ELEVATION : 2633                      TOTAL DEPTH : 8627  
 OPERATOR : RUSSELL MAGUIRE                      WELL : NO.1-A SUGG  
 LOCATION : 660 FSL, 660 FEL                      SEC: 16                      TNSP : 0014                      RNG :                      SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	930	1703	1720	913	----	790	ANHY,SD,LS	
SAN ANDRES	1720	913	2418	215	----	698	SD,LS,SH	
GLORIETA EQV.	2418	215	2618	15	----	200	SH,SD	
LEONARD UNDIFF.	3040	- 407	6100	- 3467	----	3060	SH,SD	
WOLFCAMP	6100	- 3467	7310	- 4677	0	1210	SH,SD,LS	
PENNSYLVANIAN	7310	- 4677	8490	- 5857	125	1180	SH,LS	
MISS. - SIMPSON	8490	- 5857	8490	- 5857	----	0	UNC	
ELLENBURGER	8490	- 5857	8627	- 5944	----		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : PK - IRION                      WELL ID NO. : 18A5                      ELEVATION : 2463                      TOTAL DEPTH : 7851  
 OPERATOR : GEOCHEMICAL SURVEYS                      WELL : NO.1 HARRIS  
 LOCATION : 467 FSL,467 FEL                      SEC: 70                      TNSP : 6                      RNG :                      SUR : H+TC RR SUR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GUADALUPE-UNDIFF.	440	2023	1530	933	----	1090	SH,LS,ANH	EST
SAN ANDRES	1530	933	2850	- 387	----	1320	DOL,SH,ANH	EST
CLEAR FORK	2850	- 387	3520	- 1057	----	670	DOL,SH,ANH	
WICHITA ALBANY	3520	- 1057	4145	- 1682	----	625	SH,LS,ANH	
WOLFCAMP	4145	- 1682	4925	- 2462	100	780	SH,LS,SD	
CISCO	4925	- 2462	6450	- 3987	60	1525	SH,LS,SD	
CANYON	6450	- 3987	7340	- 4877	140	890	SH,LS,SD	
STRAWN	7340	- 4877	7851	- 5388	80+			TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : PK - IRION      WELL ID NO. : 18B1      ELEVATION : 2237      TOTAL DEPTH : 7748  
 OPERATOR : MIAMI OPERATING CO.      WELL : NO.1-E RUTLEDGE  
 LOCATION : 2310 FWL, 1330 FSL      SEC: 31      TNSP : 6      RNG :      SUR : H+TC RR SUR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE-UNDIFF.	500	1737	1200	1037	----	700	SH,LS,ANH	
SAN ANDRES	1200	1037	2385	- 148	----	1185	SH,DOL,ANH	
CLEARFORK	2385	- 148	3690	- 1453	----	1305	SH,DOL,ANH	
WICHITA ALBANY	3690	- 1453	4980	- 2743	----	1290	SH,LS,ANH	
WOLFCAMP	4980	- 2743	5450	- 3213	70	470	SH,SD,LS	
CISCO	5450	- 3213	5950	- 3713	50	500	SH,LS,SD	
CANYON	5950	- 3713	6870	- 4633	80	920	SH,SD,LS	
STRAWN	6870	- 4633	7748	- 5511	120		SH,LS,SD	TD

REMARKS  
 GUADALUPE OUTCROP

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : PK - IRION                      WELL ID NO. : 1883                      ELEVATION : 2485                      TOTAL DEPTH : 8700  
 OPERATOR : SKELLY OIL CO.                      WELL : NO.1 SUGG ESTATE  
 LOCATION : 660 FSL, 660 FEL                      SEC: 45      TNSP : 1                      RNG :                      SUR : H+TC RR SUR.

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CLEAR FORK	2685	- 200	4030	- 1545	----	1345	SH,DOL,ANH	
WICHITA ALBANY	4030	- 1545	5420	- 2935	----	1390	SH,LS,ANH	
WOLFCAMP	5420	- 2935	5930	- 3445	20	510	SH,LS	
CISCO	5930	- 3445	6475	- 3990	80	545	SH,LS,SD	
CANYON	6475	- 3990	7025	- 4540	30	550	SH,LS,SD	
STRAWN	7025	- 4540	7880	- 5395	100	855	SH,SD,LS	
BEND	7880	- 5395	7910	- 5425	0	30	LS,SH	
MISS.	7910	- 5425	7950	- 5465	----	40	SH,CHT	
ELLENBURGER	7950	- 5465	8700	- 6215	750+		DOL,CHT	TD

REMARKS  
 NO SHALLOW LOG

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : PK - IRION                      WELL ID NO. : 18851                      ELEVATION : 2341                      TOTAL DEPTH : 7340  
 OPERATOR : COASTAL STATES GAS                      WELL : NO.1 LUCY WILLIAMS  
 LOCATION : 2700 FNL,950 FWL                      SEC: 11                      TNSP :                      RNG :                      SUR : GONZALES CO. SCHOOL LAND

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CRETACEOUS-UNDIFF.	0	2341	200	2141	----	200	SH	EST
SAN ANDRES	200	2141	1975	366	----	1775	SH,DOL,ANH	
CLEARFORK	1975	366	3235	- 894	----	1260	SH,DOL,ANH	
WICHITA ALBANY	3235	- 894	4360	- 2019	----	1125	SH,ANH,DOL	
WOLFCAMP	4360	- 2019	5240	- 2899	190	880	SH,SD,LS	
CISCO	5240	- 2899	5980	- 3639	190	740	SH,LS,SD	
CANYON	5980	- 3639	6650	- 4309	80	670	SH,SD,LS	
STRAWN	6650	- 4309	7340	- 4999	180		SH,LS,SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : PK - IRION                      WELL ID NO. : 18852                      ELEVATION : 2084                      TOTAL DEPTH : 7015  
 OPERATOR : TUCKER DRILLING CO.                      WELL : NO.1-S BILL M. TULLOS  
 LOCATION :                      SEC:                      TNSP :                      RNG :                      SUR : J.K. KING SUR. NO. 8501/2

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	300	1784	1190	894	----	890	SH,DOL,ANH	
CLEARFORK	1190	894	2300	- 216	----	1110	SH,DOL,ANH	
WICHITA ALBANY	2300	- 216	3160	- 1076	----	860	SH,ANH,LS	
WOLFCAMP	3160	- 1076	4350	- 2266	180	1190	SH,SD,LS	
CISCO	4350	- 2266	5320	- 3236	130	970	SH,LS,SD	
CANYON	5320	- 3236	5850	- 3766	100	530	SH,SD,LS	
STRAWN	5850	- 3766	6720	- 4636	120	870	SH,LS,SD	
BEND	6720	- 4636	6830	- 4746	50	110	SH,LS	
MISS.	6830	- 4746	6830	- 4746	0	0		UNC
ELLENBURGER	6830	- 4746	7015	- 4931	185+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : PS - JEFF DAVIS      WELL ID NO. : 14C1      ELEVATION : 4463      TOTAL DEPTH : 8370  
 OPERATOR : O.W. KILLAM      WELL : NO.1 COLE MEANS  
 LOCATION : 330 FNL, 660 FNL      SEC: 199      TNSP : 4      RNG :      SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TASCOTAL FM	2000	2463	3090	1373	----	1090	IGR UND	
MITCHELL MESA RHYOL.	3090	1373	3800	663	----	710	RY	
DUFF FM	3800	663	5240	- 777	----	1440	IGR UND	
COTTONWOOD SPRINGS	5240	- 777	5580	- 1117	----	340	BSLT	
PREUTT FM	5580	- 1117	5900	- 1437	----	320	IGR UND	
SHEEP CANYON BASALT	5900	- 1437	6550	- 2087	----	650	BSLT	
CRETACEOUS UNDIFF.	6550	- 2087	7630	- 3167	----	1080	SH, LS	
TRINITY	7630	- 3167	8370	- 3907	----		LS, SH, SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : PS - JEFF DAVIS WELL ID NO. : 19C16 ELEVATION : 4104 TOTAL DEPTH : 8630

OPERATOR : CONTINENTAL OIL CO. WELL : NO.1 ROUNSAVILLE

LOCATION : 1980 FNL, 660 FEL SEC: 25 TNSP : 0058 RNG : SUR : TWP 9-S T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1010	3094	1010	3094	0	0		UNC
RUSTLER-SALADO	1130	2974	1430	2674	----	300	ANHY, SH, DOL	
GUADALUPE	1430	2674	3560	544	----	2130	LS, SH, SD	
CAPITAN REEF	1890	2214	3560	544	----	1670	LS	
LEONARD	3560	544	6903	- 2799	----	3343	LS, SH	
WOLFCAMP	6903	- 2799	7510	- 3406	0	607	DTR, SH	
PENNSYLVANIAN	7510	- 3406	7640	- 3536	0	130	LS, SH	
MISSISSIPPIAN	7640	- 3536	8390	- 4286	40	750	SH, LS	
BARNETT	7640	- 3536	8215	- 4111	----	575	SH	
MISS. LS	8215	- 4111	8390	- 4286	----	175	LS	
WOODFORD	8390	- 4286	8525	- 4421	----	135	SH	
DEVONIAN	8525	- 4421	8630	- 4526	105+		LS, CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : PS - JEFF DAVIS      WELL ID NO. : 15C19      ELEVATION : 3935      TOTAL DEPTH : 10943  
 OPERATOR : GULF OIL CORP.      WELL :  
 LOCATION :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CAPITAN REEF	1650	2285	4118	- 183	----	2468	LS	EST
LEONARD	4250	- 315	6695	- 2760	----	2445	SH, LS	
WOLFCAMP	6695	- 2760	7780	- 3845	0	1085	SH, DTR	
PENNSYLVANIAN	7780	- 3845	7950	- 4015	0	170	SH, LS	EST
MISSISSIPPIAN	7950	- 4015	8658	- 4723	30	708	SH, LS	
BARNETT	7950	- 4015	8500	- 4565	----	550	SH	
MISS. LS	8500	- 4565	8658	- 4723	----	158	LS	
WOODFORD	8658	- 4723	8810	- 4875	----	152	SH	
DEVONIAN	8810	- 4875	9083	- 5148	273	273	LS	
SILURIAN SHALE	9083	- 5148	9240	- 5305	----	157	SH	
FUSSELMAN	9240	- 5305	9445	- 5510	205	205	LS	
MUNTOYA	9445	- 5510	9895	- 5960	450	450	LS	
SIMPSON	9895	- 5960	10869	- 6934	----	974	LS, SH	
ELLENBURGER	10869	- 6934	10943	- 7008	74*		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : PS - JEFF DAVIS      WELL ID NO. : 15C52      ELEVATION : 4548      TOTAL DEPTH : 10805

OPERATOR : PLYMOUTH OIL CO.      WELL : NO.1-11 KOKERNOT

LOCATION :      SEC:      TNSP :      RNG :      SUR :

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
WOODFORD	7260	- 2712	7490	- 2942	0	230	SH, IGN	
DEVONIAN	7490	- 2942	7490	- 2942	0	0		UNC
SILURIAN	7490	- 2942	8640	- 4092	1150	1150	LS	
MONTOYA	8640	- 4092	9060	- 4512	420	420	LS	
SIMPSON	9060	- 4512	10250	- 5702	----	1190	LS, SH, SD	
ELLENBURGER	10250	- 5702	10805	- 6257	555+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SL - LOVING                      WELL ID NO. : 15A1                      ELEVATION : 3059                      TOTAL DEPTH : 15825  
 OPERATOR : RICHARDSON AND BASS                      WELL : NO.1 KYLE  
 LOCATION : 660 FNL, 660 FEL                      SEC: 28                      TNSP : 0054                      RRG :                      SUR : TWP 1 T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DELAWARE MTN. GROUP	4450	- 1391	8480	- 5421	----	4030		
BELL CANYON (T, LMR)	4450	- 1391	5471	- 2412	----	1021		
CHERRY CANYON	5471	- 2412	6810	- 3751	----	1339		
LEONARD	8480	- 5421	11490	- 8431	----	3010		
WOLFCAMP	11490	- 8431	14830	-11771	0	3340		
PENNSYLVANIAN	14830	-11771	15825	-12766	----	995		

REMARKS  
 ALL FORMATION TOPS ARE REPORTED. NO LITHOLOGIES AVAILABLE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SL - LOVING                      WELL ID NO. : 19A2                      ELEVATION : 3265                      TOTAL DEPTH : 20150  
 OPERATOR : NATURAL GAS AND OIL                      WELL : NO.1 WILDER  
 LOCATION : 1980 FSL, 1980 FEL                      SEC: 36                      TNSP : 0076                      RNG :                      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	140	3125	680	2585	----	540	SH, SD	EST
RUSTLER-SALADO	762	2503	5262	- 1997	----	4500	SLT, ANH, DOL	
GUAJALUPE (HELL CANY)	5262	- 1997	9080	- 5815	----	3818	SD, SH, LS	
LEONARD (BONE SPRING)	9080	- 5815	12240	- 8975	----	3160	SH, LS	
WOLFCAMP	12240	- 8975	14990	-11725	50	2750	SH	
PENNSYLVANIAN	14990	-11725	16950	-13685	520	1960	LS, SH	
MISSISSIPPIAN	16950	-13685	18875	-15610	290	1925	SH, LS	
BARNETT	16950	-13685	18420	-15155	----	1470	SH	
MISS. LS	18420	-15155	18875	-15610	----	455	LS	
WOODFORD	18875	-15610	19060	-15795	----	185	SH	
SILURO-DEVONIAN	19060	-15795	20150	-16885	----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
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JUN 1971

COUNTY : SL - LOVING                      WELL ID NO. : 15A4                      ELEVATION : 3000                      TOTAL DEPTH : 22445  
 OPERATOR : RODEN OIL CO.                      WELL : NO.1 LINEBERRY  
 LOCATION : 430 FSL, 1320 FEL                      SEC: 3                      TNSP : 0075                      RNG :                      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DELAWARE MTN. GROUP	5050	- 2050	8900	- 5900	----	3850	SD, SH EST	ABV
LEONARD (BONE SPRING)	8900	- 5900	11920	- 8920	----	3020	SH, LS	
WOLFCAMP	11920	- 8920	14350	-11350	70	2430	SH, LS, DTR	
PENNSYLVANIAN	14350	-11350	16010	-13010	380	1660		EST
MISSISSIPPIAN	16010	-13010	18685	-15685	320	2675	SH, LS	
BARNETT	16010	-13010	18200	-15200	----	2190	SH	
MISS. LS	18200	-15200	18685	-15685	----	485	LS	
WOODFORD	18685	-15685	19180	-16180	----	495	SH	
DEVONIAN	19180	-16180	19710	-16710	530	530	LS, CHT	
FUSSELMAN	19710	-16710	20455	-17455	745	745	LS	EST
MONTOYA	20455	-17455	20900	-17900	555	445	LS, DOL	
SIMPSON	20900	-17900	22105	-19105	----	1205	LS, DOL	
ELLENBURGER	22105	-19105	22445	-19445	340		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SL - LOVING      WELL ID NO. : 15A7      ELEVATION : 3083      TOTAL DEPTH : 20399  
 OPERATOR : PENNZOIL      WELL : NO.1 ANDERSON  
 LOCATION : 1320 FSL, 1320 FWL      SEC: 10      TNSP : 0029      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
LEONARD	8950	- 5867	11710	- 8627	----	2760	LS, SH	ABV
WOLFCAMP	11710	- 8627	14820	-11737	0	3110	SH	
PENNSYLVANIAN	14820	-11737	17640	-14557	200	2820	LS, SH	
MISSISSIPPIAN	17640	-14557	19245	-16162	360	1605	SH, LS	
BARNETT	17640	-14557	18780	-15697	----	1140	SH	
MISS. LS	18780	-15697	19245	-16162	----	465	LS	
WOODFORD	19245	-16162	19820	-16737	----	575	SH	
DEVONIAN	19820	-16737	19980	-16897	160	160	LS	
SILURIAN	19980	-16897	20250	-17167	----	270	SH	
FUSSELMAN	20250	-17167	20399	-17316	149		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SL - LOVING            WELL ID NO. : 15A10            ELEVATION : 2824            TOTAL DEPTH : 5010  
 OPERATOR : TIDEWATER OIL CO.            WELL : NU.1 ANDERSON  
 LOCATION : 660 FNL, 198U FWL            SEC: 41            TNSP : 0029            RNG :            SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	105	2719	255	2569	0	150		EST
RUSTLER-SALADO	535	2289	4829	- 2005	----	4294	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4829	- 2005	5010	- 2186	----		SD, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SP - LUBBOCK      WELL ID NO. : 10A1      ELEVATION : 3254      TOTAL DEPTH : 10778  
 OPERATOR : TEXACO INC.      WELL : NO.1 A+L, CONE  
 LOCATION : 660 FNL, 1980 FEL      SEC: 51      TNSP : 000A      RNG :      SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SANTA ROSA	1107	2147	1312	1942	105	205	SD, SH	
RUSTLER	1630	1624	2099	1155	----	469	ANHY	
YATES	2099	1155	2280	974	----	181	SD, SH	
WHITEHORSE GROUP	2280	974	3223	31	----	943	SD, LS, SH	
SAN ANDRES	3223	31	4470	- 1216	----	1247	LS, DOL	
S. AND. (POROUS ZONE)	4000	- 746	4470	- 1216	----	470	LS, DOL	EST
GLORIETA	4470	- 1216	4610	- 1356	----	140	SD, DOL	
CLEAR FORK	4610	- 1356	6742	- 3488	----	2132	DOL	EST
WICHITA EQV.	6742	- 3488	7600	- 4346	----	858	DOL, SH	EST
WOLFCAMP	7600	- 4346	9301	- 6047	110	1701	SH, LS	
PENNSYLVANIAN	9301	- 6047	10163	- 6909	230	862	LS, SH	
ATOKA	9888	- 6634	10163	- 6909	----	275	SH, LS	
MISSISSIPPIAN	10163	- 6909	10632	- 7378	469	469	LS	
WOODFORD	10632	- 7378	10652	- 7398	----	20	SH	
ELLENBURGER	10652	- 7398	10750	- 7496	98	98	DOL	
PRE-CAMBRIAN (EST.)	10750	- 7496	10778	- 7524	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : SP - LUBBOCK      WELL ID NO. : 10A2      ELEVATION : 3128      TOTAL DEPTH : 9500  
 OPERATOR : PALM PETROLEUM CO.      WELL : NO.1 RODGERS  
 LOCATION : 1320 FNL, 1320 FWL      SEC: 7      TNSP : 0001      RNG :      SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	362	2766	1360	1768	197	998	SH, SD	EST
SANTA ROSA	960	2168	1268	1860	120	308	SD, SH	
RUSTLER	1522	1606	1997	1131	----	475	ANHY	
YATES	1997	1131	2148	980	----	151	SD, SH	
WHITEHORSE GROUP	1997	1131	3136	- 8	----	1139	SD, LS, SH	
SAN ANDRES	3136	- 8	4585	- 1457	----	1449	LS, DOL, SD	
GLORIETA	4585	- 1457	4860	- 1732	----	275	SD, DOL	
CLEAR FORK	4860	- 1732	6715	- 3587	----	1855	DOL	
WICHITA EQV.	6715	- 3587	7792	- 4664	----	1077	DOL, SD	EST
WOLFCAMP	7792	- 4664	9298	- 6170	50	1506	SH, LS	
PENNSYLVANIAN	9298	- 6170	9500	- 6372	----	202	LS, SH	

REMARKS  
 LOWER PART OF SECTION CALLED WICHITA MAY CORRELATE WITH STRABERRY .



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SP - LUBBOCK      WELL ID NO. : 10A8      ELEVATION : 3344      TOTAL DEPTH : 6896  
 OPERATOR : TEXAS PACIFIC      WELL : NO.1 WHEELER ROBERTSON  
 LOCATION : 660 FSL, 660 FWL      SEC: 2      TNSP : 0000      RNG :      SUR : L+SV RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	368	2976	1468	1876	250	1100	SH, SD	EST
SANTA ROSA	1076	2268	1341	2003	140	265	SD, SH	
RUSTLER	1651	1693	2092	1252	----	441	ANHY	
YATES	2092	1252	2244	1100	----	152	SD, SH	
WHITEHORSE GROUP	2092	1252	3205	139	----	1113	SD,LS,ANHY	
SAN ANDRES	3205	139	4550	- 1206	----	1345	LS,DOL,ANHY	
GLORIETA	4550	- 1206	4711	- 1367	----	161	SD, DOL	
CLEAR FORK	4711	- 1367	6690	- 3346	----	1979	DOL	
WICHITA EQV.	6690	- 3346	6896	- 3552	----		DOL, SH EST	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SP - LUBBOCK      WELL ID NO. : 10A10      ELEVATION : 3249      TOTAL DEPTH : 10700  
 OPERATOR : RODEN OIL CO.      WELL : NO.1-61 HETTLER  
 LOCATION : 1980 FSL, 660 FWL      SEC: 61      TNSP : 01-A      RNG :      SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	367	2882	1392	1857	250	1025	SH, SD	EST
SANTA ROSA	1011	2238	1212	2037	140	201	SD, SH	
RUSTLER	1580	1669	2057	1192	----	477	ANHY	
YATES	2057	1192	2211	1038	----	154	SD, SH	
WHITEHORSE GROUP	2057	1192	3195	54	----	1138	SD, LS, ANHY	
SAN ANDRES	3195	54	4508	- 1259	----	1313	LS, DOL	
GLORIETA	4508	- 1259	4603	- 1354	----	95	SD, DOL	
CLEAR FORK	4603	- 1354	6800	- 3551	----	2197	DOL	
WICHITA EQV.	6800	- 3551	7528	- 4279	----	728	DOL, SH	EST
WOLFCAMP	7528	- 4279	9205	- 5956	150	1677	SH, SD	
PENNSYLVANIAN	9205	- 5956	10186	- 6937	450	981	LS, SH	
ATOKA	9880	- 6631	10186	- 6937	----	306	SH, LS	
MISSISSIPPIAN	10186	- 6937	10654	- 7405	468	468	LS	
WOODFORD	10654	- 7405	10681	- 7432	----	27	SH	
ELLENBURGER	10681	- 7432	10700	- 7451	19+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SP - LUBBOCK      WELL ID NO. : 10A51      ELEVATION : 3190      TOTAL DEPTH : 10557  
 OPERATOR : HUMBLE OIL AND REF,      WELL : NO.1 PARR  
 LOCATION : 060 FSL, 660 FEL      SEC: 72      TNSP :      C      RNG :      SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
LEONARD	4520	- 1330	6060	- 2870	----	1540	DOL,SH	
WOLFCAMP	6060	- 2870	8195	- 5005	130	2135	SH,LS	
PENNSYLVANIAN	8195	- 5005	9860	- 6670	240	1665	SH,SD,LS	
MISSISSIPPIAN	9860	- 6670	10460	- 7270	310	600	LS,CHT	
CAMBRIAN (EST.)	10460	- 7270	10540	- 7350	----	80	SD	
PRE-CAMBRIAN	10540	- 7350	10557	- 7367	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SP - LUBBOCK            WELL ID NO. : 1082            ELEVATION : 3161            TOTAL DEPTH : 6114  
 OPERATOR : BELCO PETROLEUM CO.    WELL : NO. BOSS  
 LOCATION : 560 FSL, 660 FEL        SEC: 10    TNSP : 0020            RNG :            SUR : H+WT RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	261	2900	1546	1615	147	1285	SH, SD	EST
SANTA ROSA	1144	2017	1458	1703	102	314	SD, SH	
RUSTLER	1780	1381	2279	882	----	499	ANHY	
YATES	2269	892	2482	679	----	213	SD, SH	
WHITEHORSE GROUP	2269	892	3503	- 342	----	1234	SD, LS, SH	
SAN ANDRES	3503	- 342	4830	- 1669	----	1327	LS, SD, DOL	
GLORIETA	4830	- 1669	5026	- 1865	----	196	SD, DOL	EQV
CLEAR FORK	5026	- 1865	6114	- 2953	----		DOL    EQV	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SP - LUBBOCK      WELL ID NO. : 11A17      ELEVATION : 3323      TOTAL DEPTH : 10716  
 OPERATOR : CONTINENTAL OIL CO.      WELL : NO.1 JORDAN  
 LOCATION : 1980 FNL, 660 FEL      SEC: 18      TNSP : 00-6      RNG :      SUR : HE+WT

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GLORIETA	5266	- 1943	5382	- 2059	----	116	SD, DOL	
CLEAR FORK	5382	- 2059	7350	- 4027	----	1968	DOL	
WICHITA EQV.	7350	- 4027	8425	- 5102	----	1075	DOL, SH	EST
WOLFCAMP	8425	- 5102	10180	- 6857	----	1755	SH, SD	
PENNSYLVANIAN	10180	- 6857	10706	- 7383	200	526	LS, SH	
MISSISSIPPIAN	10706	- 7383	10716	- 7393	----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SP - LUBBOCK      WELL ID NO. : 11A18      ELEVATION : 3329      TOTAL DEPTH : 5940  
 OPERATOR : APACHE CORP.      WELL : NO.1 BRYANT  
 LOCATION : 467 FSL, 660 FEL      SEC: 18      TNSP : 00JS      RNG :      SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	294	3035	1726	1603	232	1432	SH, SD	EST
SANTA ROSA	1439	1890	1657	1672	92	218	SD, SH	
RUSTLER	1960	1369	2521	808	----	561	ANHY	
YATES	2521	808	2702	627	----	181	SD, SH	
WHITEHORSE GROUP	2702	627	3682	- 353	----	980	SD	
SAN ANDRES	3682	- 353	5190	- 1861	----	1508	LS, DOL	
GLORIETA	5190	- 1861	5318	- 1989	----	128	SD, DOL	
CLEAR FORK	5318	- 1989	5940	- 2611	----		UOL	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SR - LYNN                      WELL ID NO. : 1084                      ELEVATION : 3135                      TOTAL DEPTH : 4974  
 OPERATOR : GOULD DRILLING CO.                      WELL : NO.1 GREEN  
 LOCATION : 2663 FEL, 467 FSL                      SEC:                      TNSP :                      RNG :                      SUR : LGE 4 WILSON CO. SCH. LD.

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	264	2871	1520	1615	237	1256	SH, SD	
SANTA ROSA	1195	1940	1403	1732	84	208	SD, SH	
RUSTLER	1750	1385	2211	924	----	461	ANHY	
YATES	2211	924	2380	755	----	169	SD, SH	
WHITEHORSE GROUP	2211	924	3441	- 306	----	1230	SD, LS, SH	
SAN ANDRES	3441	- 306	4842	- 1707	----	1401	LS, SH, DOL	
GLORIETA	4842	- 1707	4947	- 1812	----		SD, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SR - LYNN                      WELL ID NO. : 10B5                      ELEVATION : 3092                      TOTAL DEPTH : 4150  
 OPERATOR : DEKALB AGRIC. ASSOC.                      WELL : NO.1 TERRY  
 LOCATION : 660 FNL, 1980 FEL                      SEC: 518                      TNSP : 0001                      RNG :                      SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	258	2834	1550	1542	232	1292	SH, SD	
SANTA ROSA	1240	1852	1453	1639	110	213	SD, SH	
RUSTLER	1789	1303	2306	786	----	517	ANHY	
YATES	2306	786	2468	624	----	162	SD, SH	
WHITEHORSE GROUP	2306	786	3511	- 419	----	1205	SD,LS,ANHY	
SAN ANDRES	3511	- 419	4150	- 1058	----		LS, SD	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : SR - LYNN                      WELL ID NO. : 1086                      ELEVATION : 3002                      TOTAL DEPTH : 6175  
 OPERATOR : KOBBS AND KERN CO. LD.      WELL : NO.1 CAMP AND NORMAN  
 LOCATION : 660 FNL, 1980 FEL              SEC: 529              TNSP : 0001              RNG :                      SUR : GC\*SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	282	2720	1408	1594	254	1126	SH, SD	EST
SANTA ROSA	1092	1910	1304	1698	114	212	SD, SH	
RUSTLER	1651	1351	2170	832	----	519	ANHY	
YATES	2170	832	2365	637	----	195	SD, SH	
WHITEHORSE GROUP	2170	832	3477	- 475	----	1307	SD,LS,ANHY	
SAN ANDRES	3477	- 475	4614	- 1612	----	1137	LS, SD, DOL	
GLORIETA	4614	- 1612	4814	- 1812	----	200	DOL, SH, SD	
SPRABERRY	6037	- 3935	6175	- 3173	----		SD, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : SR - LYNN                      WELL ID NO. : 1087                      ELEVATION : 3053                      TOTAL DEPTH : 9505  
 OPERATOR : RYAN, MAYS AND BURKE                      WELL : NO.1 BROMBERG  
 LOCATION : 669 FNL, 2024 FEL                      SEC: 486                      TNSP : 0001                      RNG :                      SUR : EL+RR RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	3675	- 622	4925	- 1872	----	1250	LS, DOL	EST
SAN AND. POROUS ZONE	4230	- 1177	4925	- 1872	----	695	LS	
GLORIETA	4925	- 1872	5125	- 2072	----	200	SD, LS	
SPRABERRY	6670	- 3617	7299	- 4246	----	629	SD, SH	
DEAN	7644	- 4591	7956	- 4903	----	312	SD	
WOLFCAMP	7956	- 4903	8960	- 5907	100	1004	SH, LS	
PENNSYLVANIAN	8960	- 5907	9505	- 6452	440+		LS, SH	TU

REMARKS  
 LOWER SAN ANDRES POROUS ZONE IS EXCELLENT POTENTIAL SALINE WATER  
 RESERVOIR.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SR - LYNN                      WELL ID NO. : 10B12                      ELEVATION : 3057                      TOTAL DEPTH : 4481  
 OPERATOR : WHEELER OIL CO.                      WELL : NO.2  
 LOCATION : 1650 FSL, 1650 FWL                      SEC: 11                      TNSP : 000J                      RNG :                      SUR : ACH+B

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	314	2743	1303	1754	149	989	SH, SD	EST
SANTA ROSA	1084	1973	1240	1817	82	156	SD, SH	
RUSTLER	1530	1527	1977	1080	----	447	ANHY	
YATES	1977	1080	2150	907	----	173	SD, SH	
WHITEHORSE GROUP	2150	907	3147	- 90	----	997	SD, LS, SH	
SAN ANDRES	3147	- 90	4390	- 1333	----	1243	LS, SD, DOL	
GLORIETA	4390	- 1333	4481	- 1424	----		SD, DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SR - LYNN                      WELL ID NO. : 10860                      ELEVATION : 2954                      TOTAL DEPTH : 9222  
 OPERATOR : SNOWDEN ET AL                      WELL : NO.1 WILLIAMS  
 LOCATION : 660 FEL, 1980 FSL                      SEC:                      TNSP : 0001                      RNG :                      SUR : SEC 1407, EL\*RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WHITEHORSE GROUP	1924	1030	3122	- 168	----	1198	ANHY,SH	
SAN ANDRES	3122	- 168	4355	- 1401	----	1233	LS,DOL,SH	
GLORIETA EQV.	4355	- 1401	4618	- 1664	----	263	SH,SD	
LEONARD	4618	- 1664	5410	- 2456	----	792	LS,SH	EST
SPRABERRY EQV	5410	- 2456	6945	- 3991	----	1535	SH,SD	EST
DEAN	6945	- 3991	7100	- 4146	----	155	SH,SD	
WULFCAMP	7100	- 4146	8521	- 5567	40	1421	SH,LS,SD	
PENNSYLVANIAN	8521	- 5567	8865	- 5911	155	344	LS,SH	
MISSISSIPPIAN	8865	- 5911	9030	- 6076	140	165	LS,SH	
WOODFORD	9030	- 6076	9186	- 6232	----	156	SH	
DEVONIAN - SIMPSON	9186	- 6232	9186	- 6232	----	0		UNC
ELLENBURGER	9186	- 6232	9222	- 6268	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SR - LYNN                      WELL ID NO. : 10861                      ELEVATION : 3054                      TOTAL DEPTH : 10553  
 OPERATOR : HARNSDALL OIL CO.                      WELL : NO.1 WILLIAMS  
 LOCATION : 660 FNL, 660 FWL                      SEC: 2                      TNSP : 0008                      RNG :                      SUR : EL+RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WHITEHORSE GROUP	2482	572	3840	- 786	----	1358	ANHY,SH,SD	
SAN ANDRES	3840	- 786	5120	- 2066	----	1280	DOL,LS,SD	EST
GLORIETA EQV.	5120	- 2066	5390	- 2336	----	270	SD,SH,LS	
CLEAR FORK	5390	- 2336	6438	- 3384	----	1048	DOL,SH	EST
SPRABERRY	6438	- 3384	7948	- 4894	----	1510	SD,SH	
DEAN	7948	- 4894	8217	- 5163	----	269	SH,SD	
WOLFCAMP	8217	- 5163	8400	- 5346	102	183	LS,SD	
PENNSYLVANIAN	8400	- 5346	9858	- 6804	425	1458	SH,LS,SD	
MISSISSIPPIAN	9858	- 6804	10205	- 7151	----	347	LS	
WOODFORD	10205	- 7151	10280	- 7226	----	75	SH	
DEVONIAN - SIMPSON	10280	- 7226	10280	- 7226	----	0		UNC
SIMPSON	10280	- 7226	10340	- 7286	----	60	SH	ERD
ELLENBURGER	10340	- 7286	10553	- 7499	----		DOL	TD

REMARKS  
 MISSISSIPPIAN ALL NET.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SR - LYNN                      WELL ID NO. : 10862                      ELEVATION : 3216                      TOTAL DEPTH : 10756  
 OPERATOR : HONOLULU OIL CO.                      WELL : NO.1 W.H. KING  
 LOCATION : 1980 FNL, 660 FWL                      SEC: 424                      TNSP : 0021                      RNG :                      SUR : HE+WT

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	2475	741	3970	- 754	----	1495	ANHY,SH,LS	
SAN ANDRES	3970	- 754	5250	- 2034	----	1280	DOL,SH	
GLORIETA	5250	- 2034	5442	- 2226	----	192	SH,SD	
LEONARD UNDIFF.	5442	- 2226	6740	- 3524	----	1298	SH,SD,LS	
SPRABERRY EQV.	6740	- 3524	7765	- 4549	----	1025	SH,SD	EST
DEAN EQV.	7765	- 4549	7935	- 4719	----	170	SD,SH	EST
WOLFCAMP	7935	- 4719	8250	- 5034	180	315	SH,SD	EST
PENNSYLVANIAN	8250	- 5034	9900	- 6684	450	1650	LS,SH	
MISSISSIPPIAN	9900	- 6684	10230	- 7014	----	330	LS,SH	
WOODFORD	10230	- 7014	10305	- 7089	----	75	SH	
DEVONIAN - SIMPSON	10305	- 7089	10305	- 7089	----	0		UNC
ELLENBURGER	10305	- 7089	10720	- 7504	----	415	DOL	
PRE-CAMBRIAN	10720	- 7504	10756	- 7540	----		GRT	TD

REMARKS  
 MISSISSIPPIAN ALL NET.

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 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : SR - LYNN                      WELL ID NO. : 10C1                      ELEVATION : 3051                      TOTAL DEPTH : 10777  
 OPERATOR : SINCLAIR                      WELL : NO.1 G.C. LINDSEY  
 LOCATION : 660FSL, 1980 FWL                      SEC: 47                      TNSP : 0008                      RNG :                      SUR : EL+RR RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	308	2743	1642	1409	162	1334	SH, SD	EST
SANTA ROSA	1360	1691	1540	1511	80	180	SD, SH	
RUSTLER	1950	1101	2523	528	----	573	ANHY	
YATES	2523	528	2705	346	----	182	SD, SH	
WHITEHORSE GROUP	2523	528	3922	- 871	----	1399	SD, LS	
SAN ANDRES	3922	- 871	4920	- 1869	----	998	LS, SD	
GLORIETA	4920	- 1869	5120	- 2069	----	200	DOL, LS	EST
SPRABERRY	7118	- 4067	8040	- 4989	----	922	SD, SH	
DEAN	8140	- 5089	8340	- 5289	----	200	SD	
WOLFCAMP	8340	- 5289	9236	- 6185	125	896	SH, LS	
PENNSYLVANIAN	9236	- 6185	10234	- 7183	570	998	LS, SH	
MISSISSIPPIAN	10234	- 7183	10504	- 7453	270	270	LS	
WOODFORD	10504	- 7453	10530	- 7479	----	26	SH	
DEVONIAN	10530	- 7479	10580	- 7529	50	50	LS, CHT	
FUSSELMAN - SYLVAN	10580	- 7529	10580	- 7529	0	0		UNC
MONTROYA	10580	- 7529	10700	- 7649	120	120	LS	
ELLENBURGER	10700	- 7649	10777	- 7726	77*		DOL	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
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JUN 1971

COUNTY : SR - LYNN                      WELL ID NO. : 11B22                      ELEVATION : 3207                      TOTAL DEPTH : 11189  
 OPERATOR : LONE STAR PROD. CO.                      WELL : NO.1 NEVELLS ESTATE  
 LOCATION : 1980 FSL, 1980 FWL                      SEC: 1                      TNSP : 0A-1                      RNG :                      SUR : EL+RR RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	318	2889	1975	1232	225	1657	SH, SD	
SANTA ROSA	1762	1445	1866	1341	65	104	SD, SH	
RUSTLER	2170	1037	2937	270	----	767	ANHY	
YATES	2937	270	3140	67	----	203	SD, SH	
WHITEHORSE GROUP	2937	270	4285	- 1078	----	1348	LS, ANHY, SD	
SAN ANDRES	4285	- 1078	6125	- 2918	----	1840	LS, DOL, SD	
LEONARD (CF EQV)	6125	- 2918	7100	- 3893	----	975	DOL	
SPRABERRY	7100	- 3893	8245	- 5038	----	1145	SD, SH	
DEAN	8590	- 5383	8822	- 5615	----	232	SD, SH	
WOLFCAMP	8822	- 5615	9950	- 6743	40	1128	SH, DTR, LS	
PENNSYLVANIAN	9950	- 6743	10681	- 7474	320	731	LS, SH	
MISSISSIPPIAN	10681	- 7474	11123	- 7916	442	442	LS	
WOODFORD	11123	- 7916	11131	- 7924	----	8	SH	
FUSSELMAN	11131	- 7924	11150	- 7943	19	19	LS	ERD
MONTOYA	11150	- 7943	11189	- 7982	39+		LS	TD



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AUG 1971

COUNTY : SY - MARTIN      WELL ID NO. : 10C50      ELEVATION : 2825      TOTAL DEPTH : 11880  
 OPERATOR : JOHN L. COX      WELL : NO.1 RICHARDS  
 LOCATION : 660 FSL, 660 FWL      SEC: 41      TNSP : 0036      RNG :      SUR : TWP 4-N T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	258	2567	1527	1298	-----	1269	SH, SD	EST
SANTA ROSA	1260	1565	1455	1370	-----	195	SD, SH	
RUSTLER	1830	995	2542	283	-----	712	ANHY	
YATES	2542	283	2743	82	-----	201	SD, SH	
WHITEHORSE GROUP	2542	283	4068	- 1243	-----	1526	SD, LS	
SAN ANDRES	4068	- 1243	5184	- 2359	-----	1116	LS, DOL, SD	
GLORIETA EQUIVALENT	5184	- 2359	5384	- 2559	-----	200	SD, SD, LS	EST
SPRABERRY	7650	- 4825	8735	- 5910	-----	1085	SD, SH	
DEAN	8985	- 6160	9177	- 6352	-----	192	SD	
WOLFCAMP	9177	- 6352	10540	- 7715	90	1363	SH, SD, LS	
PENNSYLVANIAN	10540	- 7715	11280	- 8455	520	740	LS	
MISSISSIPPIAN	11280	- 8455	11604	- 8779	324	324	LS	
WOODFORD	11604	- 8779	11700	- 8875	96+	96	SH	
DEVONIAN	11700	- 8875	11880	- 9055	-----		LS, CHT	TD

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 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : SY - MARTIN      WELL ID NO. : 10D28      ELEVATION : 2751      TOTAL DEPTH : 10090  
 OPERATOR : GETTY OIL CO.      WELL : NO.1 SLAUGHTER  
 LOCATION : 1320 FNL, 1320 FEL      SEC: 12      TNSP : 0036      RNG :      SUR : TWP 3-N T+P RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	325	2426	1428	1323	218	1103	SH, SD	EST
SANTA ROSA	1208	1543	1385	1366	98	177	SD, SH	
RUSTLER	1711	1040	2480	271	----	769	ANHY, SH	
YATES	2480	271	2670	81	----	190	SD, SH	
WHITEHORSE GROUP	2480	271	3963	- 1212	----	1483	LS, SH, SD	
SAN ANDRES	3963	- 1212	5032	- 2281	----	1069	LS, SD	
GLORIETA EQUIVALENT	5032	- 2281	5232	- 2481	----	200	SD, SH	
SPRABERRY	7572	- 4821	8626	- 5875	----	1054	SD, SH	
DEAN	8960	- 6209	9173	- 6422	----	213	SD	
WOLFCAMP	9173	- 6422	10090	- 7339	----		SH, SD, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : SY - MARTIN      WELL ID NO. : 10D29      ELEVATION : 2821      TOTAL DEPTH : 8970

OPERATOR : NOR-AM CORP.      WELL : NO.1 JONES

LOCATION : 1320 FNL, 1320 FEL      SEC: 9      TNSP : 0036      RNG :      SUR : TWP 1-N T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	350	2471	1478	1343	225	1128	SH, SD	EST
SANTA ROSA	1220	1601	1438	1383	105	218	SD, SH	
RUSTLER	1737	1084	2525	296	----	788	ANHY, SH	
YATES	2525	296	2710	111	----	185	SD, SH	
WHITEHORSE GROUP	2525	296	4020	- 1199	----	1495	LS, SD, ANHY	
SAN ANDRES	4020	- 1199	4987	- 2166	----	967	LS, SD	
GLORIETA EQUIVALENT	4987	- 2166	5187	- 2366	----	200	SD, SH	EST
SPRABERRY	7370	- 4549	8305	- 5484	----	935	SD, SH	
DEAN	8683	- 5862	8907	- 6086	----	224	SD	
WOLFCAMP	8907	- 6086	8970	- 6149	----		SH, LS, SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SY - MARTIN            WELL ID NO. : 10061            ELEVATION : 2729            TOTAL DEPTH : 12276  
 OPERATOR : TIDEWATER            WELL : NO.1-H DICKENSON  
 LOCATION : 660 FSL, 660 FWL      SEC: 5      TNSP : 0037            RANG :            SUR : T-1S, T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	2562	167	4000	- 1271	----	1438	ANHY,LS,SD	
SAN ANDRES	4000	- 1271	5025	- 2246	----	1025	LS,SD,ANHY	
LEONARD UNDIFF.	5360	- 2631	7450	- 4721	----	2090	SH,SD,LS	
SPRABERRY	7450	- 4721	8770	- 6041	----	1320	SH,SD	
DEAN	8770	- 6041	8980	- 6251	----	210	SH,SD	
WOLFCAMP	8980	- 6251	10360	- 7631	120	1380	SH,LS,SD	
PENNSYLVANIAN	10360	- 7631	10670	- 7941	180	310	LS,SH	
MISSISSIPPIAN	10670	- 7941	11324	- 8595	120	654	SH,LS	
WOODFORD	11324	- 8595	11374	- 8645	----	50	SH	
DEVONIAN	11374	- 8645	11900	- 9171	----	526	LS	
FUSSELMAN	11900	- 9171	11988	- 9259	----	88	LS	
MUNTOYA	11988	- 9259	12118	- 9389	----	130	LS	
SIMPSON	12118	- 9389	12205	- 9476	----	87	SH,SD	
ELLENBURGER	12205	- 9476	12276	- 9547	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SY - MARTIN      WELL ID NO. : 10D62      ELEVATION : 2787      TOTAL DEPTH : 11855  
 OPERATOR : ARGO OIL CORP.      WELL : NO.1 BROWN  
 LOCATION : 660 FNL, 660 FWL      SEC: 15      TNSP : 0036      RNG :      SUR : T-2N, T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WHITEHORSE GROUP	2509	278	4250	- 1463	----	1741	ANHY,SH,SD	
SAN ANDRES	4250	- 1463	5290	- 2503	----	1040	DOL,SD,LS	
LEONARD (CF EQV.)	5290	- 2503	7425	- 4638	----	2135	LS,SH	
SPRABERRY	7425	- 4638	8760	- 5973	----	1335	SD,SH	
DEAN	8760	- 5973	8995	- 6208	----	235	SD,SH	
WOLFCAMP	8995	- 6208	10502	- 7715	240	1507	SH,SD,LS	
PENNSYLVANIAN	10502	- 7715	10808	- 8021	110	306	LS,SH	
MISSISSIPPIAN	10808	- 8021	11425	- 8638	270	617	LS,SH	
WOODFORD	11425	- 8638	11532	- 8745	----	107	SH	
DEVONIAN	11532	- 8745	11855	- 9068	----		LS,CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SY - MARTIN      WELL ID NO. : 1106      ELEVATION : 2880      TOTAL DEPTH : 12215  
 OPERATOR : MURSEN CORP.      WELL : NO. I-85 BREEDLOVE  
 LOCATION : TRACT 85, 660 FSL, 660 FWSEC:      TNSP :      RNG :      SUR : LGE 257 BRISCOE CSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CLEAR FORK EQV	6131	- 3251	8091	- 5211	----	1960		RPT
SPRABERRY	8091	- 5211	9325	- 6445	----	1234	BASE	EST
DEAN	9377	- 6497	9671	- 6791	----	294	SD, SH	
WOLFCAMP	9671	- 6791	10889	- 8009	----	1218	SH, LS	
PENNSYLVANIAN	10889	- 8009	11300	- 8420	235	411	LS	
MISSISSIPPIAN	11300	- 8420	12033	- 9153	505	733	LS, SH	
WOODFORD	12033	- 9153	12149	- 9269	----	116	SH	
DEVONIAN	12149	- 9269	12215	- 9335	66		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SY - MARTIN      WELL ID NO. : 11D15      ELEVATION : 2932      TOTAL DEPTH : 4810  
 OPERATOR : HEALY AND LEHLOND      WELL : NO.1 FLINT  
 LOCATION : 660 FSL, 697 FEL      SEC:      TNSP :      RNG :      SUR : LBR 15 LGE 319 GARZA CSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	375	2557	1860	1072	-----	1485	SH, SD	EST
SANTA ROSA	1425	1507	1684	1248	-----	259	SD	
RUSTLER	2080	852	3016	- 84	-----	936	ANHY	
YATES	3016	- 84	3250	- 318	-----	234	SD, SH	
WHITEHORSE GROUP	3016	- 84	4586	- 1654	-----	1570	LS, SD, ANHY	
SAN ANDRES	4586	- 1654	4810	- 1878	-----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : SY - MARTIN                      WELL ID NO. : 11D16                      ELEVATION : 2887                      TOTAL DEPTH : 13086  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.1 WOLCOTT  
 LOCATION : 6405 FNL, 6306 FWL OF LGESEC:                      TNSP :                      RNG :                      SUR : LGE 250 HARTLEY CSL

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RUSTLER (REPORTED)	2000	887	2880	7	----	880		EST
YATES (REPORTED)	2880	7	3100	- 213	----	220	BASE	EST
SPRABERRY	8030	- 5143	9055	- 6168	----	1025	SD, SH	
DEAN	9370	- 6483	9515	- 6628	----	145	SD, SH	
WOLFCAMP	9515	- 6628	10930	- 8043	210	1415	SH, LS, SD	
PENNSYLVANIAN (RPTD)	10930	- 8043	11370	- 8483	300	440	LS, SH	EST
MISSISSIPPIAN	11370	- 8483	12080	- 9193	580	710	SH, LS	
WOODFORD	12080	- 9193	12188	- 9301	----	108	SH	RPT
DEVONIAN	12188	- 9301	12763	- 9876	575	575	LS	RPT
MONTOYA	12763	- 9876	12957	-10070	194	194	DOL	RPT
ELLENBURGER	12957	-10070	13086	-10199	323+		DOL	TD

REMARKS  
 MOST FORMATION TOPS ARE REPORTED BY OPERATOR.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SY - MARTIN WELL ID NO. : 11D23 ELEVATION : 2863 TOTAL DEPTH : 4550

OPERATOR : CITIES SERVICE OIL CO WELL : NO.1-L SCHARBAUER

LOCATION : LBR 25, 660 FSL, 810 FEL SEC: TNSP : RNG : SUR : LGE 322 LASALLE CSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	370	2493	1790	1073	----	1420	SH, SD	EST
SANTA ROSA	1430	1433	1660	1203	----	230	SD	
RUSTLER	1992	871	2903	- 40	----	911	ANHY	
YATES	2903	- 40	3115	- 252	----	212	SD, SH	
WHITEHORSE GROUP	2903	- 40	4504	- 1641	----	1601	LS, SD, ANHY	
SAN ANDRES	4504	- 1641	4550	- 1687	----		LS, SD	EST TD

REMARKS  
SANTA ROSA APPEARS TO BE VERY CLEAN SAND.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SY - MARTIN      WELL ID NO. : 11D62      ELEVATION : 2916      TOTAL DEPTH : 13227  
 OPERATOR : CONNALLY OIL CO.      WELL : NO.1 CONDEN  
 LOCATION : 1980 FNL, 1980 FWL      SEC: 17      TNSP : 39      RNG :      SUR : T-IN, T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	9494	- 6578	10575	- 7659	60	1081	SH,LS,SD	
PENNSYLVANIAN	10575	- 7659	11380	- 8464	325	805	SH,LS	
MISSISSIPPIAN	11380	- 8464	11870	- 8954	85	490	LS,SH	
WOODFORD	11870	- 8954	11954	- 9038	----	84	SH	
DEVONIAN	11954	- 9038	12500	- 9584	----	546	LS	
EUSSELMAN	12500	- 9584	12700	- 9784	----	200	LS	
MONTOYA	12700	- 9784	12870	- 9954	----	170	LS	
SIMPSON	12870	- 9954	13075	-10159	----	205	SH,LS	
ELLENBURGER	13075	-10159	13227	-10311	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : TJ - MIDLAND      WELL ID NO. : 10D60      ELEVATION : 2770      TOTAL DEPTH : 11756  
 OPERATOR : MURPHY BAXTER      WELL : NO.1 STATION  
 LOCATION : 1320 FSL, 1320 FEL      SEC: 46      TNSP : 0038      RNG :      SUR : T-1S, T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	2664	106	4160	- 1390	----	1496	ANHY,SD,LS	
SAN ANDRES	4160	- 1390	5340	- 2970	----	1180	DOL,SD,LS	
LEONARD UNDIFF.	5708	- 2938	7575	- 4805	----	1867	SH,SD,LS	
SPRABERRY	7575	- 4805	8935	- 6165	----	1360	SH,SD	
DEAN	8935	- 6165	9145	- 6375	----	210	SD,SH	
WOLFCAMP	9145	- 6375	10490	- 7720	0	1345	SH,LS,SD	
PENNSYLVANIAN	10490	- 7720	10850	- 8080	280	360	LS,SH	
MISSISSIPPIAN	10850	- 8080	11490	- 8720	0	640	SH,LS	
WOODFORD	11490	- 8720	11585	- 8815	----	95	SH	
DEVONIAN	11585	- 8815	11756	- 8986	----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : TJ - MIDLAND      WELL ID NO. : 11063      ELEVATION : 2901      TOTAL DEPTH : 13370  
 OPERATOR : PAN AMERICAN      WELL : NO.1-AY FASKEN  
 LOCATION : 1980 FEL, 660 FNL      SEC: 21      TNSP : 40      RNG :      SUR : T-1S, T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	9400	- 6499	10440	- 7539	70	1040	SH,LS,SD	
PENNSYLVANIAN	10440	- 7539	11490	- 8589	280	1050	SH,LS	
MISSISSIPPIAN	11490	- 8589	11872	- 8971	80	382	SH,LS	
WOODFORD	11872	- 8971	11952	- 9051	----	80	SH	
DEVONIAN	11952	- 9051	12710	- 9809	----	758	LS,CHT	
FUSSELMAN	12710	- 9809	12825	- 9924	----	115	LS	
MONTOYA	12825	- 9924	13028	-10127	----	203	LS	
SIMPSON	13028	-10127	13310	-10409	----	282	SH,LS	
ELLENBURGER	13310	-10409	13370	-10469	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : TJ - MIDLAND      WELL ID NO. : 16A58      ELEVATION : 2811      TOTAL DEPTH : 13160  
 OPERATOR : TEXACO INC.      WELL : NO.1 B-6(NCT-1)C. SCHARBAUER  
 LOCATION : 2320 FSL, 2092 FWL      SEC: 27      TNSP : 0040      RNG :      SUR : TWP 2-S T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	115	2696	1495	1316	175	1380	SH, SD	EST
SANTA ROSA	1105	1706	1355	1456	85	250	SD, SH	
RUSTLER-SALADO	1734	1077	2836	- 25	----	1102	ANHY, SLT	
YATES	2836	- 25	3000	- 189	----	164	SD, SH	
WHITEHORSE GROUP	2836	- 25	4618	- 1807	----	1782	LS, ANHY, SD	
SAN ANDRES	4618	- 1807	5880	- 3069	----	1262	LS, DOL	
GLORIETA EQV	5880	- 3069	6080	- 3269	----	200	SD, DOL	
LEONARD (CF-WICH)	6227	- 3416	7836	- 5025	----	1609	DOL, SH	
SPRABERRY	7836	- 5025	9080	- 6269	----	1244	SD, SH	
DEAN	9080	- 6269	9245	- 6434	----	165	SD, SH	
WOLFCAMP	9245	- 6434	10241	- 7430	230	996	LS, SH, DTR	
PENNSYLVANIAN	10241	- 7430	10965	- 8154	260	724	SH, LS	
MISSISSIPPIAN	10965	- 8154	11662	- 8851	40	697	SH, LS	
BARNETT	10965	- 8154	11600	- 8789	----	635	SH	
MISS. LS.	11600	- 8789	11662	- 8851	----	62	LS	
WOODFORD	11662	- 8851	11763	- 8952	----	101	SH	
DEVONIAN	11763	- 8952	12400	- 9589	637	637	LS	
SILURIAN	12400	- 9589	12538	- 9727	----	138	SH	
FUSSELMAN	12538	- 9727	12598	- 9787	60	60	LS	
MONTOYA	12598	- 9787	12768	- 9957	170	170	LS	

WELL ID NO. : 16A58

CONTINUED

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SIMPSON	12768	- 9957	13052	-10241	----	284	SH, LS, SD	
ELLENBURGER	13052	-10241	13160	-10349	108+		DOL	TD

REMARKS  
TRIASSIC HAS GOOD SAND FROM 950-1350.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : TJ - MIDLAND      WELL ID NO. : 16A59      ELEVATION : 2835      TOTAL DEPTH : 13240  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO.1 JACK B. WILKINSON  
 LOCATION : 660 FSL, 467 FWL      SEC: 8      TNSP : 0039      RNG :      SUR : TWP 3-S T+P RR

FORMATION	DEPTH	TOP	BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES EST	4650	- 1815	5830	- 2995	----	1180	LS, DOL	ABV
GLORIETA EQV.	5830	- 2995	6015	- 3180	----	185	SD, DOL	
LEONARD (CF-WICH)	6015	- 3180	7795	- 4960	----	1780	SH, DOL	
SPRABERRY	7795	- 4960	9154	- 6319	----	1359	SD, SH	
DEAN	9154	- 6319	9320	- 6485	----	166	SD, SH	
WOLFCAMP	9320	- 6485	10630	- 7795	100	1310	SH, LS, DTR	
PENNSYLVANIAN	10630	- 7795	11279	- 8444	210	649	LS, SH	
MISSISSIPPIAN	11279	- 8444	11924	- 9089	40	645	SH, LS	
BARNETT	11279	- 8444	11868	- 9033	----	589	SH	
MISS. LS	11868	- 9033	11924	- 9089	----	56	LS	
WOODFORD	11924	- 9089	12019	- 9184	----	95	SH	
DEVONIAN	12019	- 9184	12615	- 9780	596	596	LS	
SILURIAN	12615	- 9780	12720	- 9885	----	105	SH	
FUSSELMAN	12720	- 9885	12779	- 9944	59	59	LS	
MONTOYA	12779	- 9944	12926	-10091	147	147	LS	
SIMPSON	12926	-10091	13195	-10360	----	269	SH, LS, SD	
ELLENBURGER	13195	-10360	13240	-10405	145+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : T<sub>J</sub> - MIDLAND      WELL ID NO. : 16A73      ELEVATION : 2832      TOTAL DEPTH : 13374  
 OPERATOR : TEXAS CO.      WELL : NO.1 SCHARBAUER  
 LOCATION : 660 FWL, 880 FSL      SEC: 20      TNSP : 0040      RNG :      SUR : T-2S, T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	8785	- 5953	9720	- 6888	150	935	SH,LS	
PENNSYLVANIAN	9720	- 6888	10905	- 8073	140	1185	LS,SH	
MISS. - BARNETT	10905	- 8073	10525	- 7693	----	380	SH	
MISS. LS	10525	- 7693	10650	- 7818	----	125	LS	
WOODFORD	10650	- 7818	10760	- 7928	----	110	SH	
DEVONIAN	10760	- 7928	12565	- 9733	----	1805	LS,CHT	
FUSSELMAN	12565	- 9733	12605	- 9773	----	40	LS	
MONTGOMERY	12605	- 9773	12775	- 9943	----	170	DOL	
SIMPSON	12775	- 9943	12980	-10148	----	205	SH	
ELLENBURGER	12980	-10148	13374	-10542	----		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : TJ - MIDLAND      WELL ID NO. : 17A13      ELEVATION : 2626      TOTAL DEPTH : 11410  
 OPERATOR : GENERAL AMERICAN      WELL : NO.1 RAY  
 LOCATION : 1320 FNL, 1320 FWL      SEC: 17      TNSP : 0037      RNG :      SUR : TWP 3-S T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	400	2226	1283	1343	167	883	SH, SD	EST
SANTA ROSA	870	1756	1096	1530	65	226	SD, SH	
RUSTLER-SALADO	1550	1076	2395	231	----	845	ANH	
YATES	2395	231	2550	76	----	155	SD, SH	
WHITEHORSE GROUP	2395	231	4004	- 1378	----	1609	LS, SD, ANH	
SAN ANDRES	4004	- 1378	5285	- 2659	----	1281	LS, SD	
LEONARD	5285	- 2659	7152	- 4526	----	1867	SH, SD, LS	EST
SPRABERRY	7152	- 4526	8379	- 5753	----	1227	SD, SH	
DEAN	8515	- 5889	8696	- 6070	----	181	SD, SH	
WOLFCAMP	8696	- 6070	10250	- 7624	120	1554	SH, SD	
PENNSYLVANIAN	10250	- 7624	10916	- 8290	320	666	LS, SH	
MISSISSIPPIAN	10916	- 8290	11175	- 8549	30	259	SH, LS	
WOODFORD	11175	- 8549	11267	- 8641	----	92	SH	
DEVONIAN	11267	- 8641	11410	- 8784	143		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 9D1      ELEVATION : 2435      TOTAL DEPTH : 7269  
 OPERATOR : CAPITAL OIL CO.      WELL : NO.41-1 EBIE  
 LOCATION : 2408 FSL,660 FWL      SEC: 12      TNSP : 25      RNG :      SUR : T+P RR SUR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	0	2435	200	2235	----	200	SH,SD	
GUADALUPE	200	2235	1400	1035	----	1200	SH,LS,ANH	EST
SAN ANDRES	1400	1035	2345	90	----	945	SH,DOL,ANH	
CLEARFORK	2345	90	3020	- 585	----	675	SH,DOL,ANH	
WICHITA ALBANY	3020	- 585	3800	- 1365	----	780	SH,ANH,LS	
WOLFCAMP	3800	- 1365	4735	- 2300	260	935	SH,LS,SD	
CISCO	4735	- 2300	5490	- 3055	240	755	REEF,SH,SD	
CANYON	5490	- 3055	6685	- 4250	140	1195	SH,LS,SD	
STRAWN	6685	- 4250	7269	- 4834	40+		SH,LS,SD	TD

REMARKS  
 PROBABLE GUADALUPE OUTCROP

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 9D4      ELEVATION : 2156      TOTAL DEPTH : 7875

OPERATOR : HUMBLE OIL + REF. CO.      WELL : NO.1 PRUITT KEEL

LOCATION :      SEC: 22      TNSP : 27      RNG :      SUR : T+P RR SUR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	1640	516	2320	- 164	----	680	SH, ANH, DOL	
CLEARFORK	2320	- 164	3050	- 894	----	730	SH, ANH, DOL	
WICHITA ALBANY	3050	- 894	3890	- 1734	----	840	SH, ANH, LS	
WOLFCAMP	3890	- 1734	4825	- 2669	425	935	REEF, SH, SD	
CISCO	4025	- 1869	6060	- 3904	160	2035	SH, SD, LS	
CANYON	6060	- 3904	7030	- 4874	100	970	SH, LS, SD	
STRAWN	7030	- 4874	7610	- 5454	50	580	SH, LS, SD	
BEND	7610	- 5454	7645	- 5489	0	35	LS, SH	
MISS.	7645	- 5489	7750	- 5594	30	105	SH, LS	
ELLENBURGER	7750	- 5594	7875	- 5719	125+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 9D5      ELEVATION : 2131      TOTAL DEPTH : 7857  
 OPERATOR : S. F. HURLBUT      WELL : NO.1-A WOLFGIN  
 LOCATION :      SEC: 89      TNSP : 26      RNG :      SUR : T+P RR SUR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	1350	781	2140	- 9	-----	790	SH, ANH, DOL	EST
CLEARFORK	2140	- 9	2855	- 724	-----	715	SH, ANH, DOL	
WICHITA ALBANY	2855	- 724	3670	- 1539	-----	815	SH, ANH, LS	
WOLFCAMP	3670	- 1539	4345	- 2214	190	675	SH, LS, SD	
CISCO	4345	- 2214	5220	- 3089	50	875	SH, SD, LS	
CANYON	5220	- 3089	6425	- 4294	110	1205	SH, SD, LS	
STRAWN	6425	- 4294	7400	- 5269	110	975	SH, LS, SD	
BEND	7400	- 5269	7445	- 5314	15	45	LS, SH	
MISS.	7445	- 5314	7480	- 5349	10	35	SH, LS	
ELLENBURGER	7480	- 5349	7857	- 5726	377+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 9D7      ELEVATION : 2036      TOTAL DEPTH : 7429  
 OPERATOR : S.F. HURLBUT      WELL : NO.1-A ELWOOD  
 LOCATION : 660 FSL,660 FWL      SEC: 2      TNSP : 16      RNG :      SUR : SP RR SUR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE-UNDIFF.	0	2036	650	1386	----	650	SH,SD,LS	EST
SAN ANDRES	650	1386	1635	401	----	985	SH,SD,LS	
CLEARFORK	1635	401	2810	- 774	----	1175	SH,DOL,ANH	
WICHITA ALBANY	2810	- 774	3565	- 1529	----	755	SH,ANH,DOL	
WOLFCAMP	3565	- 1529	4515	- 2479	440	950	SH,REEF,SD	
CISCO	4515	- 2479	5420	- 3384	140	905	SH,LS,SD	
CANYON	5420	- 3384	6125	- 4089	90	705	SH,SD,LS	
STRAWN	6125	- 4089	7230	- 5194	100	1105	SH,SD,LS	
BEND-ATOKA	7230	- 5194	7270	- 5234	0	40	SH	
MISS.-CHAPPEL	7270	- 5234	7360	- 5324	40	90	SH,LS	
ELLENBURGER	7360	- 5324	7429	- 5393	0+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 9D9      ELEVATION : 2157      TOTAL DEPTH : 7397  
 OPERATOR : AMERADA PET. CORP.      WELL : NO.1 MCCABE  
 LOCATION : 660 FWL,1980 FNL      SEC: 3      TNSP : 1-A      RNG :      SUR : H+TC RR SUR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GUADALUPE-UNDIFF	50	2107	650	1507	----	600	SH,SD,LS	EST
SAN ANDRES	650	1507	1760	397	----	1110	SH,DOL,ANH	
CLEARFORK	1760	397	2800	- 643	----	1040	SH,DOL,ANH	
WICHITA ALBANY	2800	- 643	3390	- 1233	----	590	SH,LS,ANH	
WOLFCAMP	3390	- 1233	4060	- 1903	220	670	SH,LS,SD	
CISCO	4060	- 1903	5090	- 2933	190	1030	SH,LS,SD	
CANYON	5090	- 2933	5990	- 3833	120	900	SH,LS,SD	
STRAWN	5990	- 3833	7040	- 4883	160	1050	SH,REEF,SD	
BEND	7040	- 4883	7100	- 4943	40	60	LS,SH	
MISS.	7100	- 4943	7150	- 4993	----	50	SH,LS	
ELLENBURGER	7150	- 4993	7397	- 5240	247+		DOL	TD

REMARKS  
 PROBABLE GUADALUPE OUTCROP

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 10D7      ELEVATION : 2338      TOTAL DEPTH : 3716  
 OPERATOR : ROBINSON DRUG.      WELL : NO.1 V. LOTSPEICH  
 LOCATION : 2187 FSL, 2177 FWL      SEC: 14      TNSP : 0029      RNG :      SUR : TWP 1-S T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	218	2120	731	1607	20	513	SH, SD	EST
SANTA ROSA	482	1856	683	1655	20	201	SD, SH	
RUSTLER	840	1498	895	1443	----	55	ANHY, SD	EST
YATES	895	1443	966	1372	----	71	SD, ANHY	
WHITEHORSE GROUP	966	1372	1705	633	----	739	SD, SH, ANHY	
SAN ANDRES	1705	633	3716	- 1378	----		LS, SH, SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 1008      ELEVATION : 2331      TOTAL DEPTH : 8563  
 OPERATOR : SHELL OIL CO.      WELL : NO.1 SCOTT  
 LOCATION : 1980 FNL, 1980 FEL      SEC: 7      TNSP : 0017      RNG :      SUR : S.P. RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	140	2191	745	1586	42	605	SH, SD	EST
SANTA ROSA	424	1907	622	1709	15	198	SD, SH	
RUSTLER	898	1433	950	1381	----	52	ANHY, SH	EST
YATES	950	1381	1040	1291	----	90	SD, ANHY	
WHITEHORSE GROUP	950	1381	1850	481	----	900	SD, SH, ANHY	
SAN ANDRES	1850	481	3020	- 689	----	1170	LS, SH, SD	
SAN ANGELO EQUIVALENT	3020	- 689	3130	- 799	----	110	SD, SH	EST
CLEAR FORK	3130	- 799	4490	- 2159	----	1360	DOL	EST
WICHITA	4490	- 2159	5857	- 3526	----	1367	DOL	EST
WOLFCAMP	5857	- 3526	8043	- 5712	260	2186	SH, SD, LS	EST
PENNSYLVANIAN	8157	- 5826	8288	- 5957	80	131	LS, SH	
MISSISSIPPIAN	8288	- 5957	8380	- 6049	50	92	LS	
WOODFORD	8380	- 6049	8430	- 6099	----	50	SH	
FUSSELMAN	8430	- 6099	8460	- 6129	30	30	LS	
SYLVAN	8460	- 6129	8467	- 6136	----	7	SH	
ELLENBURGER	8467	- 6136	8563	- 6232	96+		DOL	TO



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 1009      ELEVATION : 2312      TOTAL DEPTH : 8424  
 OPERATOR : CONTINENTAL OIL CO.      WELL : NO.1 I.L. ELLWOOD  
 LOCATION : 1980 FSL, 1980 FWL      SEC: 41      TNSP : 0017      RNG 1      SUR 1 S.P. RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	40	2272	642	1670	35	602	SH, SD	EST
SANTA ROSA	304	2008	463	1849	20	159	SD, SH	
RUSTLER	763	1549	836	1476	----	73	ANHY, SH	
YATES	836	1476	933	1379	----	97	SD, SH	
WHITEHORSE GROUP	836	1476	1680	632	----	844	SD, SH, LS	
SAN ANDRES	1680	632	2850	- 538	----	1170	LS, SH, SD	
SAN ANGELO EQUIVALENT	2850	- 538	2940	- 628	----	90	SD, SH	EST
CLEAR FORK	2940	- 628	4350	- 2038	----	1410	DOL	EST
WICHITA	4350	- 2038	5690	- 3378	----	1340	DOL	
WOLFCAMP	5690	- 3378	8042	- 5730	190	2352	SH, SD, LS	
PENNSYLVANIAN	8043	- 5731	8142	- 5830	60	99	LS, SH	
MISSISSIPPIAN	8142	- 5830	8250	- 5938	90	108	LS	
WOODFORD	8250	- 5938	8321	- 6009	----	71	SH	
FUSSELMAN - SIMPSON	8321	- 6009	8321	- 6009	----	0		UNC
ELLENBURGER	8321	- 6009	8424	- 6112	103*		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 10019      ELEVATION : 2308      TOTAL DEPTH : 3491  
 OPERATOR : MOBIL OIL CO.      WELL : NO.2-B W.W. WATSON  
 LOCATION : 330 FNL, 330 FWL      SEC: 20      TNSP : 0029      RNG :      SUR : TWP 1-S T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	263	2045	825	1483	64	562	SH, SD	EST
SANTA ROSA	592	1716	770	1538	44	178	SD, SH	
RUSTLER	886	1422	943	1365	----	57	ANHY, SD	
YATES	943	1365	1018	1290	----	75	SD, SH	
WHITEHORSE GROUP	943	1365	1739	569	----	796	SD, ANHY, SH	
SAN ANDRES	1739	569	3491	- 1183	----		LS, SH, SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : TP - MITCHELL      WELL ID NO. : 10020      ELEVATION : 2248      TOTAL DEPTH : 3950  
 OPERATOR : ROBINSON DRLG. CO.      WELL : NO.1 E. THOMAS ESTATE  
 LOCATION : 467 FNL, 2173 FWL      SEC: 18      TNSP : 0026      RNG :      SUR : H+IC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	232	2016	728	1520	117	496	SH, SD	EST
SANTA ROSA	478	1770	690	1558	67	212	SD, SH	
RUSTLER	880	1368	948	1300	----	68	ANHY, SH	
YATES	948	1300	1013	1235	----	65	SD, SH	
WHITEHORSE GROUP	948	1300	1926	322	----	978	SD, SH, ANHY	
SAN ANDRES	1926	322	2808	- 560	----	882	LS, SH, ANHY	
SAN ANGELO	2808	- 560	2895	- 647	----	87	SD, SH	EST
CLEAR FORK	2895	- 647	3950	- 1702	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 15B15                      ELEVATION : 2691                      TOTAL DEPTH : 15700  
 OPERATOR : HUMBLE OIL CO.                      WELL : NO.1-5 COYANOSA UNIT  
 LOCATION : 1350 FNL, 1320 FEL                      SEC: 1                      TNSP : 0048                      RNG :                      SUR : TWP-8 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1420	1271	1600	1091	0	180	SH	EST
RUSTLER-SALADO	1748	943	4802	- 2111	----	3054	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4802	- 2111	7360	- 4669	----	2558	SH, SD, LS	
LEONARD	7360	- 4669	9580	- 6889	----	2220	SH, LS	
WOLFCAMP	9580	- 6889	10854	- 8163	30	1274	SH	
PENNSYLVANIAN	10854	- 8163	10945	- 8254	40	91	LS, SH	
MISSISSIPPIAN	10945	- 8254	11758	- 9067	400	813	SH, LS	
BARNETT	10945	- 8254	11093	- 8402	----	148	SH	
MISS. LS	11093	- 8402	11758	- 9067	----	665	LS	
WOODFORD	11758	- 9067	11942	- 9251	----	184	SH	
DEVONIAN	11942	- 9251	12352	- 9661	410	410	LS	
SILURIAN SHALE	12352	- 9661	12557	- 9866	----	205	SH	
FUSSELMAN	12557	- 9866	12740	-10049	183	183	LS	
MONTOYA	12740	-10049	13185	-10494	445	445	LS, DOL	
SIMPSON	13185	-10494	14830	-12139	----	1645	SH, SD, LS	
ELLENBURGER	14830	-12139	15700	-13009	870*		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 15B19                      ELEVATION : 2919                      TOTAL DEPTH : 22366  
 OPERATOR : FOREST OIL CORP.                      WELL : NO.1 WALKER  
 LOCATION : 1980 FNL, 1980 FEL                      SEC: 19                      TNSP : 0049                      RNG :                      SUR : TWP-9 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1175	1744	1230	1689	0	55	SH	EST
RUSTLER-SALADO	1310	1609	5200	- 2281	----	3890	ANH, SLT, DOL	
DELAWARE MTN. GROUP	5200	- 2281	7806	- 4887	----	2606	SD, SH, LS	
LEONARD	7806	- 4887	10030	- 7111	----	2224	SH, LS	
WOLFCAMP	10030	- 7111	17470	-14551	110	7440	SH, DTR	
PENNSYLVANIAN	17470	-14551	17640	-14721	60	170	SH, LS	
MISSISSIPPIAN	17640	-14721	18450	-15531	90	810	LS, SH	
BARNETT	17640	-14721	18242	-15323	----	602	SH	
MISS. LS	18242	-15323	18450	-15531	----	208	LS	
WOODFORD	18450	-15531	18732	-15813	----	282	SH	
DEVONIAN	18732	-15813	19008	-16089	276	276	LS	
SILURIAN SHALE	19008	-16089	19090	-16171	----	82	SH	
FUSSELMAN	19090	-16171	19265	-16346	175	175	LS	
MONTOYA	19265	-16346	19765	-16846	500	500	LS, DOL	
SIMPSON	19765	-16846	21525	-18606	----	1760	SH, SD, LS	
ELLENBURGER	21525	-18606	22366	-19447	841+		DOL	TD

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JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 15C2                      ELEVATION : 3216                      TOTAL DEPTH : 19582  
 OPERATOR : ATLANTIC REF.                      WELL : NO.1 KELLY  
 LOCATION : 660 TSL, 1980 FEL                      SEC: 8                      TNSP : 0051                      RNG :                      SUR : TWP 10 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN. GROUP	5140	- 1924	7560	- 4344	----	2420	SD, SH, LS	ABV
LEONARD	7560	- 4344	10200	- 6984	----	2640	LS, SH	
WOLFCAMP	10200	- 6984	14765	-11549	50	4565	SH, SD	
PENNSYLVANIAN	14765	-11549	14955	-11739	0	190	SH, LS	
MISSISSIPPIAN	14955	-11739	15480	-12264	0	525	SH, LS	
BARNETT	14955	-11739	15385	-12169	----	430	SH	
MISS. LS	15385	-12169	15480	-12264	----	95	LS	
WOODFORD	15480	-12264	15815	-12599	----	335	SH	
DEVONIAN	15815	-12599	16030	-12814	215	215	LS, CHT	
SILURIAN SHALE	16030	-12814	16070	-12854	----	40	SH	
FUSSELMAN	16070	-12854	16232	-13016	162	162	LS	
MONTOYA	16232	-13016	16697	-13481	465	465	LS, DOL	
SIMPSON	16697	-13481	18568	-15352	----	1871	SH, LS, SD	
ELLENBURGER	18568	-15352	19582	-16366	914+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS WELL ID NO. : 15C3 ELEVATION : 3126 TOTAL DEPTH : 20288  
 OPERATOR : FOREST OIL CO. WELL : NO.1 SCOTT  
 LOCATION : 1320 FSL, 1320 FWL SEC: 12 TNSP : 0050 RNG : SUR : TWP 10 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1200	1926	1200	1926	0	0	EST	UNC
RUSTLER-SALADO	1280	1846	5010	- 1884	----	3730	ANH,SLT,UOL	
DELAWARE MTN. GROUP	5010	- 1884	7350	- 4224	----	2340	SD, SH, LS	
LEONARD	7350	- 4224	9672	- 6546	----	2322	SH, LS	
WOLFCAMP	9672	- 6546	16410	-13284	0	6738	SH, SD	
PENNSYLVANIAN	16410	-13284	16600	-13474	20	190	LS, SH	
MISSISSIPPIAN	16600	-13474	17230	-14104	120	630	SH, LS	
BARNETT	16600	-13474	17003	-13877	----	403	SH	
MISS. LS	17003	-13877	17230	-14104	----	227	LS	
WOODFORD	17230	-14104	17560	-14434	----	330	SH	
DEVONIAN	17560	-14434	17745	-14619	185	185	LS	
SILURIAN SHALE	17745	-14619	17804	-14678	----	59	SH	
FUSSELMAN	17804	-14678	18060	-14934	256	256	LS, UOL	
MONTOYA	18060	-14934	18565	-15439	505	505	LS, UOL	
SIMPSON	18565	-15439	19770	-16644	----	1205	SH, LS, SD	
ELLENBURGER	19770	-16644	20288	-17162	518+		UOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
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JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 15C4                      ELEVATION : 3066                      TOTAL DEPTH : 23447  
 OPERATOR : TEXACO INC.                      WELL : NO.1-A PECOS FEE  
 LOCATION : 1980 FSL, 1980 FEL                      SEC: 11                      TNSP : 0048                      RNG :                      SUR : TWP 10 T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1110	1956	1370	1696	0	260	SH	EST
RUSTLER-SALADO	1570	1496	4982	- 1916	-----	3412	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4982	- 1916	7225	- 4159	-----	2243	SD, SH, LS	
LEONARD	7225	- 4159	9228	- 6162	-----	2003	SH, LS	
WOLFCAMP	9228	- 6162	18090	-15024	30	8862	SH, SD	
PENNSYLVANIAN	18090	-15024	18505	-15439	240	415	LS, SH	
MISSISSIPPIAN	18505	-15439	19400	-16334	170	895	SH, LS	
BARNETT	18505	-15439	19040	-15974	-----	535	SH	
MISS. LS	19040	-15974	19400	-16334	-----	360	LS	
WOODFORD	19400	-16334	19710	-16644	-----	310	SH	
DEVONIAN	19710	-16644	19965	-16899	255	255	LS, CHT	
SILURIAN SHALE	19965	-16899	20000	-16934	-----	35	SH	
FUSSELMAN	20000	-16934	20124	-17058	124	124	LS, DOL	
MONTOYA	20124	-17058	20640	-17574	516	516	LS, DOL	
SIMPSON	20640	-17574	22510	-19444	-----	1870	SH, LS, SD	
ELLENBURGER	22510	-19444	23447	-20381	937+		DOL	TD



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CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS WELL ID NO. : 15C5 ELEVATION : 2917 TOTAL DEPTH : 12118

OPERATOR : PHILLIPS PETR. CO. WELL : NO.1 POWE

LOCATION : 660 FSL, 4441 FWL OF N/2 SEC: 3 TNSP : 000W RNG : SUR : T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RUSTLER-SALADO	1685	1232	3300	- 383	----	1615	ANH,SLT,DOL	
GUADALUPE	3300	- 383	6000	- 3083	----	2700	LS, DOL, SD	
CAPTAN REEF	3684	- 767	4605	- 1688	----	921	LS	
LEONARD	6000	- 3083	9315	- 6398	----	3315	SH, LS	
WOLFCAMP	9315	- 6398	12118	- 9201	----		SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 19C6                      ELEVATION : 4028                      TOTAL DEPTH : 15000  
 OPERATOR : SINCLAIR                      WELL : NO.1 POPHAM L+C CO.  
 LOCATION : 1980 FSL, 1980 FWL                      SEC: 14                      TNSP : 0011                      RNG :                      SUR : 0H+SA

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DELAWARE MTN. GROUP	5500	- 1472	7520	- 3492	----	2020	SD, SH EST	ABV
LEONARD	7520	- 3492	9655	- 5627	----	2135	LS, SH	
WOLF CAMP	9655	- 5627	10750	- 6722	60	1095	SH	
PENNSYLVANIAN	10750	- 6722	10750	- 6722	----	0		UNC
MISSISSIPPIAN	10750	- 6722	12250	- 8222	60	1500	SH, LS	
BARNETT	10750	- 6722	11090	- 7062	----	340	SH	
MISS. LS	11090	- 7062	12250	- 8222	----	1160	LS, SH	
WOODFORD	12250	- 8222	11649	- 7621	----	601	SH	
DEVONIAN	11649	- 7621	11791	- 7763	142	142	LS	
SILURIAN SHALE	11791	- 7763	11791	- 7763	----	0		UNC
FUSSELMAN	11791	- 7763	12030	- 8002	239	239	LS, CHT	
MONTOYA	12030	- 8002	12466	- 8438	436	436	LS, DOL	
SIMPSON	12466	- 8438	13920	- 9892	----	1454	LS, SH, SD	
ELLENBURGER	13920	- 9892	15000	- 10972	1080		DOL	TD
PRE-CAMBRIAN	15050	- 11022	15050	- 11022	----	0		EST

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 19C7                      ELEVATION : 3578                      TOTAL DEPTH : 15650  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.1 STONE  
 LOCATION : 060 FSL, 990 FWL                      SEC: 133                      TNSP : 0011                      RNG :                      SUR : GH+SA

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN. GROUP	5100	- 1522	7130	- 3552	----	2030	SH, SD, LS	ABV
LEONARD	7130	- 3552	9100	- 5522	----	1970	SH, LS	
WOLF CAMP	9100	- 5522	12350	- 8772	70	3250	SH, SD	
PENNSYLVANIAN	12350	- 8772	12350	- 8772	----	0		UNC
MISSISSIPPIAN	12350	- 8772	12730	- 9152	40	380	SH, LS	
BARNETT	12350	- 8772	12615	- 9037	----	265	SH	
MISS. LS	12615	- 9037	12730	- 9152	----	115	LS, CHT	
WOODFORD	12730	- 9152	13105	- 9527	----	375	SH	
DEVONIAN	13105	- 9527	13270	- 9692	165	165	LS, CHT	
SILURIAN SHALE	13270	- 9692	13333	- 9755	----	63	SH	
FUSSELMAN	13333	- 9755	13524	- 9946	191	191	LS	
MONTROYA	13524	- 9946	14004	-10426	476	480	LS	
SIMPSON	14004	-10426	15523	-11945	----	1519	LS, SH, SD	
ELLENBURGER	15523	-11945	15650	-12072	127+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 19C8                      ELEVATION : 3477                      TOTAL DEPTH : 16735  
 OPERATOR : HUNT OIL CO.                      WELL : NO.56 ELSINORE ROYALTY  
 LOCATION : 1980 FSL, 1980 FEL                      SEC: 7                      TNSP : 000A                      RNG :                      SUR : GC-SE RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	845	2632	880	2597	0	35	SH	EST
RUSTLER-SALADO	1030	2447	3680	- 203	----	2650	ANH,SLT,DOL	
DELAWARE MTN. GROUP	3680	- 203	5500	- 2023	----	1820	SD, SH, LS	
LEONARD	5500	- 2023	7060	- 3583	----	1560	SD, SH, LS	
WOLFCAMP	7060	- 3583	13005	- 9528	0	5945	SH	
PENNSYLVANIAN	13005	- 9528	13220	- 9743	0	215	SH, LS	
MISSISSIPPIAN	13220	- 9743	13475	- 9998	30	255	SH, LS	
BARNETT	13220	- 9743	13355	- 9878	----	135	SH	
MISS. LS	13355	- 9878	13475	- 9998	----	120	LS	
WOODFORD	13475	- 9998	13790	-10313	----	315	SH	
DEVONIAN	13790	-10313	13950	-10473	160	160	LS, CHT	
SILURIAN SHALE	13950	-10473	13950	-10473	----	0		UNC
FUSSELMAN	13950	-10473	14140	-10663	190	190	LS	
MONTOYA	14140	-10663	14580	-11103	440	440	LS	
SIMPSON	14580	-11103	14580	-13023	----	1920	LS, SH, SD	
ELLENBURGER	16500	-13023	16735	-13258	235+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 15C10                      ELEVATION : 3505                      TOTAL DEPTH : 11813  
 OPERATOR : PURE OIL CO.                      WELL : NO.1 HARRISON  
 LOCATION : 2342 FNL, 370 FWL                      SEC: 203                      TNSP : 0003                      RNG :                      SUR : T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
DELAWARE MTN. GROUP	4265	- 760	6080	- 2575	----	1815	SD, SH	
LEONARD	6080	- 2575	7591	- 4086	----	1511	SH, SD, LS	
WOLFCAMP	7591	- 4086	11813	- 8308	----		SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 19C11                      ELEVATION : 3742                      TOTAL DEPTH : 18636  
 OPERATOR : HUNT OIL CO.                      WELL : NO.47 ELSINORE  
 LOCATION : 2500 FNL, 2500 FNL                      SEC: 21                      TNSP : 8                      RNG :                      SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	520	3222	520	3222	0	0		UNC
RUSTLER-SALADO	585	3157	1730	2012	----	1145	ANHY,SH,DOL	
GUADALUPE (T. YATES)	1730	2012	4885	- 1143	----	3155	LS, SH, SD	
CAPITAN REEF	2005	1737	2980	762	----	975	LS	EST
LEONARD	4885	- 1143	6515	- 2773	----	1630	SH, LS	
WOLFCAMP	6515	- 2773	14985	-11243	0	8470	SH	
PENNSYLVANIAN	14985	-11243	15110	-11368	20	125	LS, SH	
MISSISSIPPIAN	15110	-11368	15350	-11608	0	240	SH, LS	
BARNETT	15110	-11368	15240	-11498	----	130	SH	
MISS. LS	15240	-11498	15350	-11608	----	110	LS	
WOODFORD	15350	-11608	15600	-11858	----	250	SH	
DEVONIAN-SILURIAN SH.	15600	-11858	15600	-11858	----	0		UNC
FUSSELMAN	15600	-11858	15662	-11920	62	62	LS	ERO
MONTOYA	16662	-11920	16257	-12515	595	595	LS	
SIMPSON	16257	-12515	18312	-14570	----	2055	LS, SH, SD	
ELLENBURGER	18312	-14570	18636	-14804	314+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 15C15                      ELEVATION : 3523                      TOTAL DEPTH : 15897  
 OPERATOR : PERRY R. BASS, INC.                      WELL : NO.1 TEXAS AMERICAN SYNDICATE  
 LOCATION : 2315 FSL, 2241 FEL                      SEC: 213                      TNSP : 0010                      RNG :                      SUR : 6H+SA

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	684	2839	747	2776	0	63	SH	EST
RUSTLER-SALADO	865	2658	4553	- 1030	----	3688	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4553	- 1030	6280	- 2757	----	1727	SD, SH	
LEONARD	6280	- 2757	8320	- 4797	----	2040	SH, LS	
WOLFCAMP	8320	- 4797	12340	- 8817	0	4020	SH	
PENNSYLVANIAN	12340	- 8817	12485	- 8962	40	145	LS, SH	
MISSISSIPPIAN	12485	- 8962	12895	- 9372	0	410	SH, LS	
BARNETT	12485	- 8962	12778	- 9255	----	293	SH	
MISS. LS	12778	- 9255	12895	- 9372	----	117	LS	
WOODFORD	12895	- 9372	13257	- 9734	----	362	SH	
DEVONIAN	13257	- 9734	13400	- 9877	143	143	LS, CHT	
SILURIAN SHALE	13400	- 9877	13400	- 9877	----	0		UNC
FUSSELMAN	13400	- 9877	13590	-10067	190	190	LS	
MONTOYA	13590	-10067	14102	-10579	512	512	LS	
SIMPSON	14102	-10579	15743	-12220	----	1641	LS, SH, SD	
ELLENBURGER	15743	-12220	15897	-12374	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : US - PECOS      WELL ID NO. : 15C50      ELEVATION : 3599      TOTAL DEPTH : 15000  
 OPERATOR : HUMBLE OIL CO.      WELL : NO.3 ELSINORE  
 LOCATION : 1320 FNL. 1320 FEL      SEC: 2      TNSP : 0008      RNG :      SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RUSTLER-SALADO	1040	2559	2058	1541	-----	1018	ANHY,SH,DOL	
GUADALUPE	2058	1541	5010	- 1411	-----	2952	LS, SH, SD	
CAPITAN REEF	2058	1541	3150	449	-----	1092	LS	
LEONARD	5010	- 1411	6675	- 3076	-----	1665	SH, LS	
WOLFCAMP	6675	- 3076	13536	- 9937	0	6861	SH	
PENNSYLVANIAN	13536	- 9937	13687	-10088	0	151	LS, SH	
MISSISSIPPIAN	13687	-10088	13923	-10324	0	236	SH, LS	
BARNETT	13687	-10088	13870	-10271	-----	183	SH	
MISS. LS	13870	-10271	13923	-10324	-----	53	LS	
WOODFORD	13923	-10324	14232	-10633	-----	309	SH	
DEVONIAN	14232	-10633	14320	-10721	88	88	LS, CHT	
SILURIAN SHALE	14320	-10721	14320	-10721	-----	0		UNC
FUSSELMAN	14320	-10721	14370	-10771	50	50	LS	
MONTOYA	14370	-10771	15000	-11401	630		LS, DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS WELL ID NO. : 1681 ELEVATION : 2547 TOTAL DEPTH : 12690

OPERATOR : MISS. RIVER FUEL CORP WELL : NO.1A TREES ESTATE

LOCATION : 1950 FSL, 1980 FWL SEC: 47 TNSP : 0008 RNG : SUR : H\*GN

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1075	1472	1560	987	52	485	SH, SD	EST
SANTA ROSA	1300	1247	1482	1065	25	182	SH, SD	EST
RUSTLER-SALADO	1676	871	2840	- 293	----	1164	ANH,SLT,DOL	
YATES	2840	- 293	3029	- 482	----	189	SD, SH	
WHITEHORSE GROUP	2840	- 293	3033	- 486	----	193	SD, SH, LS	
CAPITAN REEF	3033	- 486	4812	- 2265	----	1779	LS	
DELAWARE MTN. GROUP	4812	- 2265	6740	- 4193	----	1928	SH, SD, LS	
LEONARD (BONE SPRING)	6740	- 4193	8980	- 6433	----	2240	SH, LS, SD	
WOLFCAMP	8980	- 6433	10195	- 7648	210	1215	SH, OTR, LS	
PENNSYLVANIAN	10195	- 7648	10629	- 8082	230	434	LS, SH	
MISSISSIPPIAN	10629	- 8082	12192	- 9645	500	1563	SH, LS	
BARNETT	10629	- 8082	11400	- 8853	----	771	SH	
MISS. LS	11400	- 8853	12192	- 9645	----	792	LS	
WOODFORD	12192	- 9645	12490	- 9943	----	298	SH	
DEVONIAN	12490	- 9943	12690	-10143	200+		LS, CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 1688                      ELEVATION : 2496                      TOTAL DEPTH : 11601  
 OPERATOR : HIAWATHA OIL+GAS CO.                      WELL : NO.1 TREES  
 LOCATION : 660 FNL, 330 FEL                      SEC: 90                      TNSP : 0008                      RNG :                      SUR : H+GN

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	582	1914	934	1562	85	352	SH, SD	EST
SANTA ROSA	623	1873	780	1716	25	157	SD, SH	
RUSTLER-SALADO	1150	1346	1919	577	-----	769	ANHY, DOL	
YATES	1919	577	2136	360	-----	217	SD, SH	
WHITEHORSE GROUP	1919	577	3404	- 908	-----	1485	LS, SD	
SAN ANDRES	3404	- 908	4300	- 1804	-----	896	LS, DOL	
LEONARD	4300	- 1804	6760	- 4264	-----	2460	DOL, SH, SD	
WOLFCAMP	6760	- 4264	7540	- 5044	250	780	SH, DTR, LS	
PENN-MISS	7540	- 5044	7540	- 5044	-----	0		UNC
WOODFORD	7540	- 5044	7858	- 5362	-----	318	SH	ERD
DEVONIAN	7858	- 5362	8414	- 5918	556	556	LS, CMT	
SILURIAN	8414	- 5918	8610	- 6114	-----	196	SH	
FUSSELMAN	8610	- 6114	8798	- 6302	188	188	LS	
MONTOYA	8798	- 6302	9275	- 6779	477	477	LS	
SIMPSON	9275	- 6779	11100	- 8604	-----	1825	SH, SD, LS	
ELLENBURGER	11100	- 8604	11601	- 9105	501+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16B15                      ELEVATION : 2463                      TOTAL DEPTH : 5300  
 OPERATOR : UNION OIL CO. CALIF.                      WELL : NO.1-48 W.A. YEAGER ET AL  
 LOCATION : 1980 FNWL, 1980 FSWL                      SEC: 48                      TNSP : 0010                      RNG :                      SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RUSTLER-SALADO	656	1807	1330	1133	----	674	ANHY, SLT	
YATES	1330	1133	1497	966	----	167	SD, LS, SH	
WHITEHORSE GROUP	1330	1133	2387	76	----	1057	LS, SH, SD	
SAN ANDRES	2387	76	2904	- 441	----	517	DOL, LS	
GLORIETA	2904	- 441	2960	- 497	----	56	SD, DOL	
CLEAR FORK	2960	- 497	4092	- 1629	----	1132	DOL, SD	
WICHITA	4092	- 1629	4610	- 2147	----	518	DOL, SH	
WOLFCAMP	4610	- 2147	5008	- 2545	280	398	LS, DTR	
PENN-FUSSELMAN	5008	- 2545	5008	- 2545	----	0		UNC
MONTOYA	5008	- 2545	5236	- 2773	228	228	LS	ERD
SIMPSON	5236	- 2773	5300	- 2837	----		SH, LS EST,	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16B16                      ELEVATION : 2405                      TOTAL DEPTH : 6004  
 OPERATOR : GEORGE T. ABELL                      WELL : NO.1 STATE-COPELAND  
 LOCATION : 2100 FSWL, 1839 FSEL                      SEC: 88                      TNSP : 0010                      RNG :                      SUR :                      H+GN

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	75	2330	400	2005	80	325	SH, SD	EST
SANTA ROSA	150	2255	280	2125	45	130	SD, SH	
RUSTLER-SALADO	482	1923	1310	1095	----	828	ANHY, SLT	
YATES	1310	1095	1486	919	----	176	SD, SH	
WHITEHORSE GROUP	1310	1095	2500	- 95	----	1190	LS, SD, ANHY	
SAN ANDRES	2500	- 95	3010	- 605	----	510	DOL	
GLORIETA	3010	- 605	3055	- 650	----	45	SD, DOL	
CLEAR FORK	3055	- 650	4185	- 1780	----	1130	DOL, SH	
WICHITA	4185	- 1780	4620	- 2215	----	435	DOL, SH	
WOLFCAMP	4620	- 2215	5040	- 2635	290	420	LS, SH, DTR	
PENN-MONTOYA	5040	- 2635	5040	- 2635	----	0		UNC
SIMPSON	5040	- 2635	6004	- 3599	----		SH, LS, SD	TD
SIMPSON THICK. EST	5040	- 2635	6300	- 3895	----	1260		EST

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16821                      ELEVATION : 2366                      TOTAL DEPTH : 4827  
 OPERATOR : GEORGE T. ABELL                      WELL : NO.1 STATE-STARK  
 LOCATION : 2310 FSEL, 2310 FSWL                      SEC: 28                      TNSP : 0002                      RNG :                      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	75	2291	428	1938	75	353	SH, SD	EST
SANTA ROSA	182	2184	350	2016	40	168	SD	
RUSTLER-SALADO	530	1836	1082	1284	----	552	ANHY, SLT	
YATES	1082	1284	1208	1158	----	126	SD, SH	
WHITEHORSE GROUP	1082	1284	2320	46	----	1238	LS, SD, ANHY	
SAN ANDRES	2320	46	2870	- 504	----	550	DOL, LS	
GLORIETA	2870	- 504	2924	- 558	----	54	SD, DOL	
CLEAR FORK	2924	- 558	3995	- 1629	----	1071	DOL, SH	
WICHITA	3995	- 1629	4390	- 2024	----	395	DOL, SD	
WOLFCAMP	4390	- 2024	4700	- 2334	190	310	LS, DTR	
PENN-SIMPSON	4700	- 2334	4700	- 2334	----	0		UNC
ELLENBURGER	4700	- 2334	4827	- 2461	127+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16827                      ELEVATION : 2800                      TOTAL DEPTH : 21614  
 OPERATOR : THE PURE OIL CO.                      WELL : NO.1 W.C. TYRRELL  
 LOCATION : 660 FSL, 600 FEL                      SEC: 2                      TNSP : 0115                      RNG :                      SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	782	2018	1570	1230	85	788	SH, SD	EST
SANTA ROSA	1330	1470	1500	1300	35	170	SH, SD	EST
RUSTLER-SALADO	1680	1120	2980	- 180	----	1300	ANH,SLT,DOL	
WHITEHORSE GROUP	2980	- 180	3380	- 580	----	400	SD, SH	
CAPITAN REEF	3380	- 580	4850	- 2050	----	1470	LS	
DELAWARE MTN. GROUP	4850	- 2050	7350	- 4550	----	2500	SH, LS, SD	
LEONARD (BONE SPRING)	7350	- 4550	9812	- 7012	----	2462	SH, LS, SD	
WOLFCAMP	9812	- 7012	14845	-12045	0	5033	SH, DTR, LS	
PENNSYLVANIAN	14845	-12045	15598	-12798	340	753	LS, SH	
MISSISSIPPIAN	15598	-12798	16610	-13810	350	1012	SH, LS	
BARNETT	15598	-12798	16000	-13200	----	402	SH	
MISS. LS	16000	-13200	16610	-13810	----	610	LS	
WOODFORD	16610	-13810	16869	-14069	----	259	SH	
DEVONIAN	16869	-14069	17180	-14380	311	311	LS, CHT	
SILURIAN	17180	-14380	17313	-14513	----	133	SH	
FUSSELMAN	17313	-14513	17508	-14708	195	195	LS	
MONTOYA	17508	-14708	17940	-15140	432	432	LS	
SIMPSON	17940	-15140	19825	-17025	----	1885	SH, LS, SD	
ELLENBURGER	19825	-17025	21458	-18658	----	1633	DOL	
BASEMENT	21458	-18658	21614	-18814	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16830                      ELEVATION : 2692                      TOTAL DEPTH : 10862  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.3 SAN PEDRO RANCH COMPANY  
 LOCATION : 1980 FNL, 1980 FEL                      SEC: 211                      TNSP :                      RNG :                      SUR : KELLY

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	430	2262	925	1767	97	495	SH, SD	EST
SANTA ROSA	645	2047	784	1908	32	139	SD, SH	
RUSTLER-SALADO	1118	1574	2225	467	----	1107	ANH,SLT,DOL	
YATES	2225	467	2410	282	----	185	SD, SH	
WHITEHORSE GROUP	2225	467	3280	- 588	----	1055	SD,LS,ANHY	
SAN ANDRES	3280	- 588	3470	- 778	----	190	DOL	
DELAWARE MTN. GROUP	3470	- 778	4900	- 2208	----	1430	SD, SH, LS	
LEONARD	4900	- 2208	6300	- 3608	----	1400	SD, SH, LS	
WOLFCAMP	6300	- 3608	7100	- 4408	240	800	SD, SH, DTR	
PENN-MISS	7100	- 4408	7100	- 4408	----	0		UNC
DEVONIAN	7100	- 4408	7362	- 4670	262	262	LS	ERD
SILURIAN	7362	- 4670	7475	- 4783	----	113	SH	
FUSSELMAN	7475	- 4783	7652	- 4960	177	177	LS	
MONTOYA	7652	- 4960	8150	- 5458	498	498	LS, DOL	
SIMPSON	8150	- 5458	10440	- 7748	----	2290	SH, SD, LS	
ELLENBURGER	10440	- 7748	10862	- 8170	422+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16831                      ELEVATION : 2563                      TOTAL DEPTH : 4690  
 OPERATOR : RAY MORRIS EXPLR. CO.      WELL : NO.2-13 DONAHUE  
 LOCATION : 1980 FWL, 660 FNL              SEC: 13      TNSP : 0140                      RRG :                      SUR : T+STL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	113	2450	292	2271	40	179	SH, SD	EST
SANTA ROSA	235	2328	295	2268	40	60	SD	
RUSTLER-SALADO	330	2233	928	1635	----	598	ANHY, SLT	
YATES	928	1635	1016	1547	----	88	SD, SH	
WHITEHORSE GROUP	928	1635	1910	653	----	982	LS, SD	
SAN ANDRES	1910	653	2430	133	----	520	DOL, LS	
GLORIETA	2430	133	2460	103	----	30	DOL, SD	
CLEAR FORK	2460	103	3500	- 937	----	1040	DOL, SH	
WICHITA	3500	- 937	4078	- 1515	----	578	DOL, SH	
WOLFCAMP	4078	- 1515	4653	- 2090	310	575	SH, LS, DTR	
PENN-ELLENBURGER	4653	- 2090	4653	- 2090	----	0		UNC
BASEMENT	4653	- 2090	4690	- 2127	37		GRT	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS      WELL ID NO. : 16B32      ELEVATION : 2419      TOTAL DEPTH : 4155  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO.B-1 O.L. BARNES STATE  
 LOCATION : 660 FNWL, 1980 FNEL      SEC: 138      TNSP : 0010      RNG :      SUR : H+GN

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	60	2359	284	2135	55	224	SH, SD	EST
SANTA ROSA	70	2349	284	2135	45	214	SD, SH	
RUSTLER-SALADO	396	2023	845	1574	----	449	ANHY, SLT	EST
YATES	845	1574	945	1474	----	100	SD, SH	
WHITEHORSE GROUP	845	1574	1862	557	----	1017	LS, DOL, SD	
SAN ANDRES	1862	557	2360	59	----	498	DOL, LS	
GLORIETA	2360	59	2400	19	----	40	DOL, SD	
CLEAR FORK	2400	19	3500	- 1081	----	1100	SH, DOL	
WICHITA	3500	- 1081	3940	- 1521	----	440	LS, SH, DOL	
WOLFCAMP	3940	- 1521	4095	- 1676	75	155	SH, DTR	
PENN-SIMPSON	4095	- 1676	4095	- 1676	----	0		UNC
ELLENBURGER	4095	- 1676	4155	- 1736	60+		DOL      ERD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16B39                      ELEVATION : 2308                      TOTAL DEPTH : 6921  
 OPERATOR : SMELL OIL CO.                      WELL : NO.1 3A PRICE  
 LOCATION : 5000 FSWL, 600 FNWL                      SEC: 3                      TNSP : 0012                      RNG :                      SUR : H\*GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	50	2258	310	1998	57	260	SH, SD	EST
SANTA ROSA	175	2133	310	1998	42	135	SD	
RUSTLER-SALADO	390	1918	832	1476	----	442	ANHY	
YATES	832	1476	950	1358	----	118	SD, SH	
WHITEHORSE GROUP	832	1476	1832	476	----	1000	LS, ANHY, SD	
SAN ANDRES	1832	476	2330	- 22	----	498	DOL, LS	
GLORIETA	2330	- 22	2370	- 62	----	40	DOL, SD	
CLEAR FORK	2370	- 62	3420	- 1112	----	1050	DOL, SD	
WICHITA	3420	- 1112	4050	- 1742	----	630	DOL, SH	
WOLFCAMP	4050	- 1742	4986	- 2678	520	936	LS, DTR	
PENN-SILURIAN	4986	- 2678	4986	- 2678	----	0		UNC
FUSSELMAN	4986	- 2678	5094	- 2786	108	108	LS	ERD
MONTOYA	5094	- 2786	5263	- 2955	169	169	LS	
SIMPSON	5263	- 2955	6670	- 4362	----	1407	LS, SH, SD	
ELLENBURGER	6670	- 4362	6921	- 4613	251+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16840                      ELEVATION : 2282                      TOTAL DEPTH : 6000  
 OPERATOR : STALLWORTH ET AL                      WELL : NO.1 ATLANTIC RICHFIELD FEE  
 LOCATION : 4891 FSL, 660 FWL                      SEC: 15                      TNSP : 0012                      RNG :                      SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	110	2172	400	1882	80	290	SD, SH	EST
SANTA ROSA	220	2062	400	1882	55	180	SD	
RUSTLER-SALADO	465	1817	860	1422	----	395	SH, ANHY	
YATES	860	1422	980	1302	----	120	SD, SH	
WHITEHORSE GROUP	860	1422	1915	367	----	1055	LS, ANHY, SH	
SAN ANDRES	1915	367	2294	- 12	----	379	LS, DOL	
GLORIETA	2294	- 12	2336	- 54	----	42	SD, DOL	
CLEAR FORK	2336	- 54	3408	- 1126	----	1072	DOL, SH	
WICHITA	3408	- 1126	4065	- 1783	----	657	DOL, SH	
WOLFCAMP	4065	- 1783	5562	- 3280	760	1497	LS, DTR, SH	
PENN-FUSSELMAN	5562	- 3280	5562	- 3280	----	0		UNC
MONTOYA	5562	- 3280	5770	- 3488	208	208	LS	ERD
SIMPSON	5770	- 3488	6000	- 3718	----		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16844                      ELEVATION : 2555                      TOTAL DEPTH : 7477  
 OPERATOR : W.K. DAVIS                      WELL : NO.1 ROBERTSON  
 LOCATION : 380 FEL, 990 FSL                      SEC: 28                      TNSP : 0010                      RNG 1                      SUR : H+GN

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	170	2385	610	1945	71	440	SH, SD	EST
SANTA ROSA	400	2155	530	2025	36	130	SD, SH	
RUSTLER-SALADO	682	1873	1145	1410	----	463	ANHY, SD	
YATES	1145	1410	1296	1259	----	151	SD, SH	
WHITEHORSE GROUP	1145	1410	2256	299	----	1111	SD, LS	
SAN ANDRES	2256	299	2975	- 420	----	719	DOL, LS	
LEONARD (CF EQV)	2975	- 420	4020	- 1465	----	1045	DOL, SD	
WICHITA EQV	4020	- 1465	4780	- 2225	----	760	DOL, SH	
WOLFCAMP	4780	- 2225	5834	- 3279	430	1054	LS, DTR	
PENN-UPPER DEVONIAN	5834	- 3279	5834	- 3279	----	0		UNC
DEVONIAN	5834	- 3279	5937	- 3382	103	103	LS	
SILURIAN	5937	- 3382	6093	- 3538	----	156	SH	
FUSSELMAN	6093	- 3538	6200	- 3645	107	107	LS	
MONTOYA	6200	- 3645	6500	- 3945	300	300	LS	
SIMPSON	6500	- 3945	7477	- 4922	----		SH, SD, LS	TD
ELLENBURGER	6350	- 5795	8351	- 5796	----	1	DOL	EST

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16B45                      ELEVATION : 2437                      TOTAL DEPTH : 6100  
 OPERATOR : H.L. HUNT                      WELL : NO.1 DICKINSON  
 LOCATION : 660 FNEL, 660 FNWL              SEC: 25              TNSP : 0003              RNG :              SUR : H+TC

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	65	2372	305	2132	50	240	SH, SD	EST
SANTA ROSA	95	2342	222	2215	40	127	SD, SH	
RUSTLER-SALADO	440	1997	1504	933	----	1064	SLT, ANHY	
YATES	1504	933	1630	807	----	126	SD, SH	
WHITEHORSE GROUP	1504	933	2705	- 268	----	1201	LS,SD,ANHY	
SAN ANDRES	2705	- 268	3170	- 733	----	465	LS, DOL	
GLORIETA	3170	- 733	3225	- 788	----	55	SD, DOL	
CLEAR FORK	3225	- 788	4390	- 1953	----	1165	DOL, SH	
WICHITA	4390	- 1953	4895	- 2458	----	505	SH, DOL	
WOLFCAMP	4895	- 2458	5450	- 3013	350	555	SH, LS, DTR	
PENN-WOODFORD	5450	- 3013	5450	- 3013	----	0		UNC
DEVONIAN	5450	- 3013	5762	- 3325	312	312	LS	
SILURIAN	5762	- 3325	5895	- 3458	----	133	SH	
FUSSELMAN	5895	- 3458	6010	- 3573	105	115	LS	
MONTOYA	6010	- 3573	6100	- 3663	90+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16846                      ELEVATION : 2307                      TOTAL DEPTH : 5040  
 OPERATOR : GREATHOUSE ET AL                      WELL : NO.1 WAHL-STATE  
 LOCATION : 7260 FSL, 660 FEL                      SEC: 8                      TNSP : 0011                      RNG :                      SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	50	2257	330	1977	45	280	SD, SH	EST
SANTA ROSA	50	2257	200	2107	45	150	SD	EST
RUSTLER-SALADO	435	1872	930	1377	----	495	ANHY, SD	
YATES	930	1377	1052	1255	----	122	SD, SH	
WHITEHORSE GROUP	930	1377	2064	243	----	1134	LS, SD, ANHY	
SAN ANDRES	2064	243	2550	- 243	----	486	DOL, LS	
GLORIETA	2550	- 243	2610	- 303	----	60	SD, DOL	
CLEAR FORK	2610	- 303	3700	- 1393	----	1090	DOL, SD	
WICHITA	3700	- 1393	4300	- 1993	----	600	DOL, SH	
WOLFCAMP	4300	- 1993	4772	- 2465	240	472	LS, SH, DTR	
PENN-UPPER SIMPSON	4772	- 2465	4772	- 2465	----	0		UNC
SIMPSON	4772	- 2465	5040	- 2733	----		SH, SD	ERD TD
ELLENBURGER	5085	- 2778	5086	- 2779	----	1	DOL	EST

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16848                      ELEVATION : 2587                      TOTAL DEPTH : 11850  
 OPERATOR : B.L. MCFARLAND, INC.                      WELL : NO.1 BONEBRAKE  
 LOCATION : 660 FSL, 660 FWL                      SEC: 1                      TNSP : 0109                      RNG :                      SUR : REIZENHOOVER

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1830	757	1970	617	72	140	SH, SD	EST
RUSTLER-SALADO	2050	537	3200	- 613	----	1150	ANH, SLT, DOL	
YATES	3200	- 613	3390	- 803	----	190	SD, DOL	
CAPITAN REEF	3390	- 803	4775	- 2188	----	1385	LS	
DELAWARE MTN. GROUP	4775	- 2188	6705	- 4118	----	1930	SD, SH, LS	
LEONARD (BONE SPRING)	6705	- 4118	8966	- 6379	----	2261	LS, SH, SD	
WOLFCAMP	8966	- 6379	10750	- 8163	220	1784	SH, LS, DTR	
PENNSYLVANIAN	10750	- 8163	11315	- 8728	250	565	LS, SH	
MISSISSIPPIAN	11315	- 8728	11315	- 8728	----	0		UNC
WOODFORD	11315	- 8728	11615	- 9028	----	300	SH	
DEVONIAN	11615	- 9028	11850	- 9263	235+		LS	TD

REMARKS  
 TOP TRIASSIC QUESTIONABLE DUE TO THICK OVERLYING CENOZOIC FILL.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C7                      ELEVATION : 3100                      TOTAL DEPTH : 8289  
 OPERATOR : RALPH LOWE                      WELL : NO.1 TEXU  
 LOCATION : 1980 FWL, 660 FSL                      SEC: 23                      TNSP : 0024                      RNG :                      SUR : UNIVERSITY LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	615	2485	1050	2050	45	435	SH, SD	EST
SANTA ROSA	632	2468	830	2270	40	198	SD	
RUSTLER-SALADO	1212	1888	1912	1188	----	700	ANH,SLT,DOL	
YATES	1912	1188	2038	1062	----	126	SD, LS	
GUADALUPE	1912	1188	4405	- 1305	----	2493	LS, SH	
LEONARD	4405	- 1305	6200	- 3100	----	1795	LS, SH	
WOLFCAMP	6200	- 3100	7015	- 3915	270	815	SH, LS	
PENNSYLVANIAN	7015	- 3915	7500	- 4400	290	485	LS, SH	
MISSISSIPPIAN-SIMPSON	7500	- 4400	7500	- 4400	----	0		UNC
ELLENBURGER	7500	- 4400	8289	- 5189	789+		DOL.	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C9                      ELEVATION : 2859                      TOTAL DEPTH : 6731  
 OPERATOR : STANOLIND OIL CO.                      WELL : NO.1 HINYARD  
 LOCATION : 660 FSL, 660 FWL                      SEC: 29                      TNSP : 0144                      RNG :                      SUR : T+STL RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	98	2761	520	2339	57	422	SH, SD	EST
SANTA ROSA	255	2604	375	2484	47	120	SD	EST
RUSTLER-SALADO	615	2244	1025	1834	----	410	ANHY, DOL	
YATES	1025	1834	1165	1694	----	140	SD, LS	
WHITEHORSE GROUP	1025	1834	2070	789	----	1045	LS, SD	
SAN ANDRES	2070	789	2605	254	----	535	LS, DOL	
GLORIETA	2605	254	2642	217	----	37	SD, DOL	
CLEAR FORK	2642	217	3710	- 851	----	1068	DOL, SD	
WICHITA	3710	- 851	4470	- 1611	----	760	DOL, SH	
WOLFCAMP	4470	- 1611	6575	- 3716	720	2105	SH, LS, DTR	
PENNSYLVANIAN-ELLENB	6575	- 3716	6575	- 3716	----	0		UNC
PRE-CAMBRIAN	6575	- 3716	6731	- 3872	----		GRANITE	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C14                      ELEVATION : 2503                      TOTAL DEPTH : 7340  
 OPERATOR : CONTINENTAL OIL CO.                      WELL : NO.18-4 UNIVERSITY  
 LOCATION : 660 FSL, 660 FWL                      SEC: 4                      TNSP : 0018                      RRG :                      SUR : UNIVERSITY LANDS

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
TRIASSIC	98	2405	440	2063	69	342	SH, SD	EST
SANTA ROSA	298	2205	440	2063	42	142	SD, SH	
RUSTLER-SALADO	515	1988	870	1633	----	355	ANHY, SH	
YATES	870	1633	900	1513	----	120	SD, LS	
WHITEHORSE GROUP	870	1633	1900	603	----	1030	LS, SD	
SAN ANDRES	1900	603	2290	213	----	390	LS, DOL	
CLEAR FORK	2290	213	3510	- 1007	----	1220	DOL, SH	
WICHITA	3510	- 1007	4350	- 1847	----	840	DOL, SH	
WOLFCAMP	4350	- 1847	6265	- 3762	620	1915	SH, DTR, LS	
PENN.-UPPER SIMPSON	6265	- 3762	6265	- 3762	----	0		UNC
SIMPSON	6265	- 3762	7252	- 4749	----	987	SH, SD, LS	UNC
ELLENBURGER	7252	- 4749	7340	- 4837	88+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C16                      ELEVATION : 2322                      TOTAL DEPTH : 7315  
 OPERATOR : GULF OIL CORP.                      WELL : NO.1 BROWN ROYALTY  
 LOCATION : 660 FNL, 1650 FEL                      SEC: 77                      TNSP : 0194                      RNG :                      SUR : GC+FS RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	45	2277	385	1937	77	340	SH, SD	EST
SANTA ROSA	165	2157	300	2022	42	135	SD	
RUSTLER-SALADO	385	1937	893	1429	----	508	ANHY, DOL.	
YATES	893	1429	1010	1312	----	117	SD	
WHITEHORSE GROUP	893	1429	1830	492	----	937	LS, SD	
SAN ANDRES	1830	492	2210	112	----	380	LS	
GLORIETA	2210	112	2262	60	----	52	SD, DOL.	
CLEAR FORK	2262	60	3385	- 1063	----	1123	DOL, SH	
WICHITA	3385	- 1063	4054	- 1732	----	669	SH, DOL.	
WOLFCAMP	4054	- 1732	5710	- 3388	690	1656	SH, LS, DTR	
PENN-MONTOYA	5710	- 3388	5710	- 3388	----	0		UNC
SIMPSON	5710	- 3388	6910	- 4588	----	1200	SH, SD, LS	ERD
ELLENBURGER	6910	- 4588	7315	- 4993	405+		DOL.	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C17                      ELEVATION : 3077                      TOTAL DEPTH : 9587  
 OPERATOR : TIDEWATER ASSOC. OILN      WELL : O.B-1 WHITE AND BAKER  
 LOCATION : 660 FNL, 610 FEL              SEC: 87              TNSP : 0194              RNG :                      SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	585	2492	940	2137	87	355	SH, SD	EST
SANTA ROSA	780	2297	940	2137	40	160	SD, SH	
RUSTLER-SALADO	995	2082	1645	1432	----	650	ANH, DOL, SLT	
YATES	1645	1432	1770	1307	----	125	SD, LS	
GUADALUPE	1645	1432	2975	102	----	1330	LS, SH	
GLORIETA	2975	102	3030	47	----	55	DOL, SD	
CLEAR FORK	3030	47	4200	- 1123	----	1170	DOL, SH	
WICHITA	4200	- 1123	5100	- 2023	----	900	DOL, SH	
WOLFCAMP	5100	- 2023	6500	- 3423	590	1400	LS, DTR, SH	
PENNSYLVANIAN	6500	- 3423	7750	- 4673	340	1250	LS, SH	
MISSISSIPPIAN-UP. DEV	7750	- 4673	7750	- 4673	----	0		UNC
DEVONIAN	7750	- 4673	7885	- 4808	135	135	LS	ERD
FUSSELMAN	7885	- 4808	7955	- 4878	70	70	LS	
MONTOYA	7955	- 4878	8120	- 5043	165	165	LS, DOL	
SIMPSON	8120	- 5043	9460	- 6383	----	1340	SH, SD, LS	
ELLENBURGER	9460	- 6383	9587	- 6510	127+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C21                      ELEVATION : 3575                      TOTAL DEPTH : 21851  
 OPERATOR : SOUTHERN NATURAL GAS                      WELL : NO.1-1 STATE OF TEXAS  
 LOCATION : 1200 FNL,                      SEC: 14                      TNSP : 9000                      RNG : 3                      SUR : T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	730	2845	950	2625	25	220	SH, SD	EST
SANTA ROSA EQV	815	2760	910	2665	0	95	SH, SD	EST
RUSTLER-SALADO	1220	2355	2658	917	----	1438	ANH,SLT,DOL	
YATES	2658	917	2820	755	----	162	SD, SH, DOL	
GUADALUPE	2658	917	5694	- 2119	----	3036	SD, LS, SH	
LEONARD	5694	- 2119	7400	- 3825	----	1706	SH, LS	
WOLF CAMP	7400	- 3825	16050	-12475	0	8650	SH	
PENNSYLVANIAN	16050	-12475	16193	-12618	20	143	SH, LS	
MISSISSIPPIAN	16193	-12618	16570	-12995	60	377	SH, LS	
BARNETT	16193	-12618	16402	-12827	----	209	SH	
MISS. LS	16402	-12827	16570	-12995	----	168	LS, SH	
WOODFORD	16570	-12995	16820	-13245	----	250	SH	
DEVONIAN	16820	-13245	16970	-13395	150	150	LS, CHT	
SILURIAN	16970	-13395	17050	-13475	----	80	SH, LS	
FUSSELMAN	17050	-13475	17433	-13858	383	383	LS, DOL	
MONTOYA	17433	-13858	17931	-14356	498	498	LS, DOL	
SIMPSON	17931	-14356	20158	-16583	----	2227	SH, LS, SD	
ELLENBURGER	20158	-16583	21815	-18240	1657	1657	DOL	
PRE-CAMBRIAN	21815	-18240	21851	-18276	----	36	GRT, DTR	

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORP LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C23                      ELEVATION : 3187                      TOTAL DEPTH : 16196  
 OPERATOR : GULF OIL CORP.                      WELL : NO.1 PRICE  
 LOCATION : 1980 FNL, 1980 FWL                      SEC: 16                      TNSP : 0131                      RNG :                      SUR : T+STL

FORMATION	DEPTH	DEPTH <sup>TOP</sup> SUB-SEA	DEPTH	DEPTH <sup>BASE</sup> SUR-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	710	2477	1180	2007	40	470	SH, SD	EST
SANTA ROSA	990	2197	1095	2092	0	105	SH, SD	EST
RUSTLER-SALADO	1352	1835	2383	804	----	1031	ANH, DOL, SLT	
YATES	2383	804	2600	587	----	217	SD, SH	
GUADALUPE	2383	804	5820	- 2633	----	3437	LS, SD, SH	
CAPITAN REEF	3020	167	4300	- 1113	----	1280	LS	
LEONARD	5820	- 2633	7780	- 4593	----	1960	SH, LS	
WOLFCAMP	7780	- 4593	16196	-13009	----		SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C24                      ELEVATION : 3014                      TOTAL DEPTH : 21687  
 OPERATOR : PAN AMERICAN PETR.                      WELL : NO.1-CS UNIVERSITY  
 LOCATION : 660 FSL, 1980 FEL                      SEC: 27                      TNSP : 0023                      RNG :                      SUR : UNIVERSITY LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	690	2324	1090	1924	80	400	SH, SD	EST
SANTA ROSA	745	2269	930	2084	20	185	SH, SD	EST
RUSTLER-SALADO	1240	1774	2000	1014	----	760	ANHY, SH, DOL	
YATES	2000	1014	2200	814	----	200	SD, SH	
GUADALUPE	2000	1014	5520	- 2506	----	3520	LS, SH	
LEONARD	5520	- 2506	7965	- 4951	----	2445	SH, LS	
WOLFCAMP	7965	- 4951	18120	-15106	180	10155	SH	
PENNSYLVANIAN	18120	-15106	18670	-15656	40	550	LS, SH	
MISSISSIPPIAN-BARNETT	18670	-15656	20056	-17042	----		SH	LOG TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. - E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C27                      ELEVATION : 2845                      TOTAL DEPTH : 9830  
 OPERATOR : PENNZOIL                      WELL : NO.1 NUTT  
 LOCATION : 230 FWL, 375 FNL OF NE/4 SEC: 16                      TNSP : 0125                      RNG :                      SUR : T+STL RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
THIASSIC	490	2355	700	2145	25	210	SH, SD	EST
SANTA ROSA	490	2355	625	2220	15	135	SD	EST
RUSTLER-SALADO	805	2040	1443	1402	----	638	ANH, SLT, DOL	
YATES	1443	1402	1600	1245	----	157	SD, LS	
GUADALUPE (UNDIFF.)	1443	1402	+157	- 1312	----	2714	LS, SH	
LEONARD	4157	- 1312	5735	- 2890	----	1578	DOL, SH	
WOLFCAMP	5735	- 2890	6705	- 3860	375	970	LS, SH	
PENNSYLVANIAN	6705	- 3860	7495	- 4650	490	790	LS, SH	
MISS.-FUSSELMAN	7495	- 4650	7495	- 4650	----	0		UNC
MONTOYA	7495	- 4650	7600	- 4755	105	105	DOL, LS	
SIMPSON	7600	- 4755	9374	- 6529	----	1774	SH, LS, SD	
ELLENBURGER	9374	- 6529	9830	- 6985	456+		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C31                      ELEVATION : 3331                      TOTAL DEPTH : 11269  
 OPERATOR : SOUTHERN MINERALS                      WELL : NO.2-A JASPER CO. SCHL. LAND  
 LOCATION : 660 FNL, 660 FWL                      SEC:                      TNSP : 0104                      RNG :                      SUR : JASPER COUNTY SCHOOL LAND

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	810	2521	1190	2141	40	380	SH, SD	EST
SANTA ROSA	875	2456	1043	2288	20	168	SH, SD	
RUSTLER-SALADO	1300	2031	2070	1261	----	770	ANHY, DOL.	
YATES	2070	1261	2190	1141	----	120	SD, SH	
GUADALUPE (UNDIFF.)	2070	1261	4660	- 1329	----	2590	LS, SH	
LEONARD	4660	- 1329	6312	- 2981	----	1652	SH, LS	
WOLFCAMP	6312	- 2981	7280	- 3949	480	968	LS, DTR, SH	
PENNSYLVANIAN	7280	- 3949	8430	- 5099	600	1150	LS, SH	
MISS.-WOODFORD	8430	- 5099	8430	- 5099	----	0		UNC
DEVONIAN	8430	- 5099	8832	- 5501	402	402	LS, CHRT	
FUSSELMAN	8832	- 5501	8860	- 5529	28	28	LS	
MONTOKA	8860	- 5529	9094	- 5763	234	234	LS, DOL	
SIMPSON	9094	- 5763	10848	- 7517	----	1754	SH, SD, LS	
ELLENBURGER	10848	- 7517	11269	- 7938	421+		DOL.	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C35                      ELEVATION : 2924                      TOTAL DEPTH : 10700  
 OPERATOR : PURE OIL CO.                      WELL : NO.1 SHERBINO  
 LOCATION : 2292 FSL, 660 FWL                      SEC: 54                      TNSP : 0C-4                      RNG :                      SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	545	2379	780	2144	75	235	SH, SD	EST
SANTA ROSA	567	2357	735	2189	40	168	SD, SH	EST
RUSTLER-SALADO	850	2074	1745	1179	----	895	ANHY, SALT	
YATES	1745	1179	1955	969	----	210	SD, SH	
GUADALUPE (UNDIFF.)	1745	1179	3840	- 916	----	2095	LS, SH	
LEONARD	3840	- 916	5886	- 2962	----	2046	SH, DOL.	
WOLFCAMP	5886	- 2962	7250	- 4326	470	1364	SH, DTR.	
PENNSYLVANIAN	7250	- 4326	8860	- 5936	790	1610	LS, SH	
MISS.-MONTGOMERY	8860	- 5936	8860	- 5936	----	0		UNC
SIMPSON	8860	- 5936	10330	- 7406	----	1470	SH, SD, LS	ERD
ELLENBURGER	10330	- 7406	10700	- 7776	370+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C36                      ELEVATION : 2987                      TOTAL DEPTH : 10071  
 OPERATOR : TIDEWATER ASSOC. OIL                      WELL : NO.A-1 WHITE AND BAKER  
 LOCATION : 2011 FSL, 1979 FWL                      SEC: 93                      TNSP : 0194                      RNG :                      SUR : GC+FS RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RUSTLER-SALADO EST	892	2095	1430	1557	----	538	ANH, SH	ABV
YATES	1430	1557	1560	1427	----	130	SH, SD	
GUADALUPE (UNDIFF.)	1430	1557	2892	95	----	1462	SH, LS	
LEONARD	2892	95	5214	- 2227	----	2322	LS, SH	
WOLFCAMP	5214	- 2227	6680	- 3693	430	1466	SH, LS, DTR	
PENNSYLVANIAN	6680	- 3693	8233	- 5246	510	1553	LS, SH	
MISS.-SILURIAN SH.	8233	- 5246	8233	- 5246	----	0		UNC
FUSSELMAN	8233	- 5246	8315	- 5328	82	82	LS	ERD
MONTOYA	8315	- 5328	8405	- 5418	90	90	DOL	
SIMPSON	8405	- 5418	9730	- 6743	----	1325	SH, SD, LS	
ELLENBURGER	9730	- 6743	10071	- 7084	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C42                      ELEVATION : 3513                      TOTAL DEPTH : 23000  
 OPERATOR : PHILLIPS PETR. CO.                      WELL : NO.1-A MONTGOMERY  
 LOCATION : 2004 FNL, 1984 FEL                      SEC: 17                      TNSP : 0134                      RNG :                      SUR : T+STL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	627	2886	855	2658	20	228	SH, SD	EST
SANTA ROSA EQV	655	2858	740	2773	10	85	SH, SD	EST
RUSTLER-SALADO	990	2523	1875	1638	----	885	ANH, SLT, DOL	
GUADALUPE	1875	1638	3210	303	----	1335	LS, SH, DOL	
CAPITAN REEF	2320	1193	3210	303	----	890	LS	EST
LEONARD	3210	303	6400	- 2887	----	3190	SH, LS	
WOLFCAMP	6400	- 2887	18650	-15137	250	12250	SH	
PENNSYLVANIAN	18650	-15137	18880	-15367	60	230	LS, SH	
MISSISSIPPIAN	18880	-15367	19513	-16000	220	633	SH, LS	
BARNETT	18880	-15367	19250	-15737	----	370	SH	
MISS. LS.	19250	-15737	19513	-16000	----	263	LS	
WOODFORD	19513	-16000	19646	-16133	----	133	SH	
DEVONIAN	19646	-16133	19810	-16297	164	164	LS, CHT	
SILURIAN	19810	-16297	19828	-16315	----	18	SH	
FUSSELMAN	19828	-16315	20035	-16522	207	207	LS, DOL	
MONTOYA	20035	-16522	20343	-16830	308	308	LS, DOL	
SIMPSON	20343	-16830	22560	-19047	----	2217	LS, SD, SH	
ELLENBURGER	22560	-19047	23000	-19487	440+	440	DOL	

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C44                      ELEVATION : 3216                      TOTAL DEPTH : 12836  
 OPERATOR : GULF OIL CORP.                      WELL : NO.1-E JERUSHA, ROBBINS ET AL  
 LOCATION : 660 FSL, 1980 FWL                      SEC: 35                      TNSP : 0126                      RNG :                      SUR : T+SL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	415	2801	505	2711	35	90	SH	EST
RUSTLER-SALADO	622	2594	985	2231	----	363	SH, ANHY	EST
YATES	985	2231	1115	2101	----	130	SD, LS, SH	
GUADALUPE	985	2231	3100	116	----	2115	LS, SH, SD	
LEONARD	3100	116	5230	- 2014	----	2130	SH, LS	
WOLFCAMP	5230	- 2014	10110	- 6894	0	4880	SH	
PENNSYLVANIAN	10110	- 6894	10154	- 6938	30	44	SH, LS	
MISSISSIPPIAN	10154	- 6938	10333	- 7117	60	179	SH, LS	
MISS. (BARNETT)	10154	- 6938	10236	- 7020	----	82	SH	
MISS. LS	10236	- 7020	10333	- 7117	----	97	LS	
WOODFORD	10333	- 7117	10397	- 7181	----	64	SH	
DEVONIAN	10397	- 7181	10570	- 7354	173	173	LS	
SILURIAN SH	10570	- 7354	10570	- 7354	----	0		UNC
FUSSELMAN	10570	- 7354	10630	- 7414	60	60	LS, DOL	
MONTOYA	10630	- 7414	10832	- 7616	202	202	LS, DOL	
SIMPSON	10832	- 7616	12420	- 9204	----	1588	SH, SH, LS	
ELLENBURGER	12420	- 9204	12836	- 9620	416+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C49                      ELEVATION : 3210                      TOTAL DEPTH : 12692  
 OPERATOR : STD. OF TEXAS                      WELL : NO.29-1 MONTGOMERY  
 LOCATION : 467 FNL, 1990 FEL                      SEC: 29                      TNSP : 0127                      RNG :                      SUR : T+STL RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1100	2110	1400	1810	32	300	SH, SD	EST
SANTA ROSA	1140	2070	1288	1922	10	148	SD, SH	
RUSTLER-SALADO	1460	1750	1890	1320	----	430	ANHY. DOL	
YATES	1890	1320	2050	1160	----	160	SD, SH	
GUADALUPE	1890	1320	4405	- 1195	----	2515	LS, SH	
LEONARD	4405	- 1195	5910	- 2700	----	1505	SH, LS	
WOLFCAMP	5910	- 2700	9450	- 6240	90	3940	SH, LS	EST
PENNSYLVANIAN	9450	- 6240	9805	- 6595	220	355	LS	
MISS.-WOODFORD	9805	- 6595	9805	- 6595	----	0		UNC
DEVONIAN	9805	- 6595	9980	- 6770	175	175	LS	ERD
FUSSELMAN	9980	- 6770	10064	- 6854	84	84	LS, DOL.	
MONTROYA	10064	- 6854	10224	- 7014	160	160	LS, DOL	
SIMPSON	10224	- 7014	12255	- 9045	----	2031	SH, SD, LS	
ELLENBURGER	12255	- 9045	12692	- 9482	337+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C50                      ELEVATION : 2821                      TOTAL DEPTH : 13991  
 OPERATOR : PHILLIPS PETR. CO.                      WELL : NO.1-B HARRAL  
 LOCATION : 1980 FNL. 660 FWL                      SEC: 71                      TNSP : 0R-3                      RNG :                      SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	574	2247	820	2001	35	246	SH, SD	EST
SANTA ROSA	628	2193	745	2076	15	117	SD, SH	EST
RUSTLER-SALADO	857	1964	1590	1231	----	733	ANHY,SLT.	
YATES	1590	1231	1806	1015	----	216	SDY SH	
GUADALUPE	1590	1231	3994	- 1173	----	2404	LS, SH, SD	
LEONARD	3994	- 1173	6350	- 3529	----	2756	LS, SH	
WOLFCAMP	6350	- 3529	9799	- 6978	80	3449	SH	
PENNSYLVANIAN	9799	- 6978	10504	- 7683	340	705	LS, SH	
MISSISSIPPIAN	10504	- 7683	10504	- 7683	----	0		UNC
WOODFORD	10504	- 7683	10635	- 7814	----	131	SH	
DEVONIAN	10635	- 7814	11075	- 8254	440	440	LS, CHRT	
SILURIAN SHALE	11075	- 8254	11075	- 8254	----	0		UNC
FUSSELMAN	11075	- 8254	11132	- 8311	57	57	LS	
MONTOYA	11132	- 8311	11320	- 8499	188	188	LS, DOL	
SIMPSON	11320	- 8499	13070	-10249	----	1750	SH, LS, SD	
ELLENBURGER	13070	-10249	13991	-11170	921+		DOL.	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C52                      ELEVATION : 2641                      TOTAL DEPTH : 11665  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.1-2 BLACKSTONE-SLAUGHTER  
 LOCATION : 1980 FSL,2900 FEL                      SEC: 11                      TNSP : 0001                      RNG :                      SUR : KERN COUNTY LAND SURVEY

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	490	2151	695	1946	22	205	SH, SD	EST
RUSTLER	764	1877	1392	1249	-----	628	ANHY+DOL	EST
YATES	1392	1249	1530	1111	-----	138	SD, SH	
GUADALUPE (UNDIFF.)	1392	1249	3785	- 1144	-----	2393	LS, SH, SD	
LEONARD	3785	- 1144	6140	- 3499	-----	2355	SH, LS	
WOLFCAMP	6140	- 3499	8748	- 6107	-----	2608	SH	
PENNSYLVANIAN	8748	- 6107	9455	- 6814	-----	707	LS, SH	
MISS.-WOODFORD	9455	- 6814	9455	- 6814	-----	0		UNC
DEVONIAN	9455	- 6814	9835	- 7194	380	380	LS, CHRT	
FUSSELMAN	9835	- 7194	9960	- 7319	125	125	LS	
MONTOYA	9960	- 7319	10020	- 7379	60	60	LS, DOL.	
SIMPSON	10020	- 7379	11377	- 8736	-----	1357	LS, SH, SD	
ELLENBURGER	11377	- 8736	11665	- 9024	288*		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C54                      ELEVATION : 4051                      TOTAL DEPTH : 16946  
 OPERATOR : HUNT OIL CO.                      WELL : NO.48 ELSINORE ROYALTY CO.  
 LOCATION : 660 FNL, 660 FWL                      SEC: 51                      TNSP : 0000                      RNG :                      SUR : GC+SF

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE EST	4036	15	2120	1931	----	1916	LS, SH	ABV
LEONARD	2120	1931	4868	- 817	----	2748	LS, SH	
WOLFCAMP	4868	- 817	13130	- 9079	100	8262	SH	
PENNSYLVANIAN	13130	- 9079	13260	- 9209	40	130	SH, LS	
MISSISSIPPIAN	13260	- 9209	13569	- 9518	65	309	SH, LS	
BARNETT	13260	- 9209	13485	- 9434	----	225	SH	
MISS. LS	13485	- 9434	13569	- 9518	----	84	LS	
WOODFORD	13569	- 9518	13728	- 9677	----	159	SH	
DEVONIAN	13728	- 9677	13800	- 9749	72	72	LS, CHT	
SILURIAN SH	13800	- 9749	13800	- 9749	----	0		UNC
FUSSELMAN	13800	- 9749	14080	-10029	280	280	LS	
MONTOYA	14080	-10029	14475	-10424	395	395	LS, DOL	
SIMPSON	14475	-10424	16640	-12589	----	2165	SH, SD, LS	
ELLENBURGER	16640	-12589	16946	-12895	306+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C56                      ELEVATION : 3212                      TOTAL DEPTH : 17880  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.1 EDWARDS  
 LOCATION : 660 FNL, 660 FEL                      SEC: 1                      TNSP : 0129                      RNG :                      SUR : T+STL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	595	2617	595	2617	0	0	EST	UNC
RUSTLER-SALADO	595	2617	710	2502	----	115	EST	ERD
YATES	776	2436	927	2285	----	151	SD, LS, SH	
GUADALUPE	776	2436	2804	408	----	2028	LS, SO	
LEONARD	2804	408	5370	- 2158	----	2566	LS, DOL, SH	
WOLFCAMP	5370	- 2158	13310	-10098	80	7940	SH	
PENNSYLVANIAN	13310	-10098	13310	-10098	50	0	LS, SH	
MISSISSIPPIAN-BARNETT	13310	-10098	14150	-10938	0	840	SH	
WOODFORD	14150	-10938	14772	-11560	----	622	SH	
DEVONIAN	14772	-11560	15060	-11848	288	288	LS, CHT	
SILURIAN SH	15060	-11848	15060	-11848	----	0		UNC
FUSSELMAN	15060	-11848	15110	-11898	50	50	LS, DOL	
MONTOYA	15110	-11898	15270	-12058	160	160	LS, DOL	
SIMPSON	15270	-12058	17253	-14041	----	1983	SH, SD, LS	
ELLENBURGER	17253	-14041	17880	-14668	627+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C62                      ELEVATION : 2850                      TOTAL DEPTH : 16453  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.1-E TYRRELL  
 LOCATION : 1980 PSL, 660 FEL                      SEC: 2                      TNSP : 0005                      RNG :                      SUR : T+C RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	530	2320	820	2030	80	290	SH, SD	EST
SANTA ROSA EQV	640	2210	745	2105	35	105	SH, SD	EST
RUSTLER-SALADO	1010	1840	2500	350	----	1490	ANH, DOL, SLT	
YATES	2500	350	2630	220	----	130	SD, LS, SH	
GUADALUPE	2500	350	6200	- 3350	----	3700	LS, SD, SH	
CAPITAN REEF	4000	- 1150	4600	- 1750	----	600	LS	
LEONARD	6200	- 3350	8420	- 5570	----	2220	SH, LS	
WOLFCAMP	8420	- 5570	13790	-10940	900	5370	SH	
PENNSYLVANIAN	13790	-10940	14504	-11654	320	714	LS, SH	
MISSISSIPPIAN	14504	-11654	15440	-12590	700	936	LS	
WOODFORD	15440	-12590	15750	-12900	----	310	SH	
DEVONIAN	15750	-12900	16415	-13565	665	665	LS, CHT	
SILURIAN	16415	-13565	16453	-13603	----		SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C74                      ELEVATION : 3030                      TOTAL DEPTH : 10698  
 OPERATOR : STD. OF TEXAS                      WELL : NO.1-30 PERRY  
 LOCATION : 1980 FSL, 660 FWL                      SEC: 15                      TNSP : 0C-4                      RNG :                      SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	592	2438	1010	2020	71	418	SH, SD	EST
SANTA ROSA	738	2292	926	2104	38	188	SD, SH	EST
RUSTLER-SALADO	1090	1940	1922	1108	----	832	ANH, SLT, DOL	
YATES	1922	1108	2084	946	----	162	SD, SH	
GUADALUPE (UNDIFF.)	1922	1108	4034	- 1004	----	2112	LS, SD, SH	
LEONARD	4034	- 1004	6000	- 2970	----	1966	SH, LS	
WOLFCAMP	6000	- 2970	7265	- 4235	620	1265	LS, SH	
PENNSYLVANIAN	7265	- 4235	9060	- 6030	880	1795	LS, SH	
MISS.-FUSSELMAN	9060	- 6030	9060	- 6030	----	0		UNC
MONTOYA	9060	- 6030	9120	- 6090	60	60	LS	
SIMPSON	9120	- 6090	10400	- 7370	----	1280	LS, SD, SH	
ELLENBURGER	10400	- 7370	10698	- 7668	298+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORILS INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C75                      ELEVATION : 2433                      TOTAL DEPTH : 8500  
 OPERATOR : EL CINCO PROD. CO.                      WELL : NO.1 MANN  
 LOCATION : 1980 FNL, 1980 FWL                      SEC: 46                      TNSP : 0194                      RNG :                      SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	205	2228	535	1898	----	330	SH, SD	EST
SANTA ROSA	403	2030	485	1948	----	82	SD, SH	EST
RUSTLER-SALADO	534	1899	856	1577	----	322	ANHY	
YATES	856	1577	985	1448	----	129	SD, SH	
WHITEHORSE GROUP	856	1577	1840	593	----	984	LS, ANHY, SD	
SAN ANDRES EQV	1840	593	2685	- 252	----	845	LS, DOL	
GLORIETA EQV	2685	- 252	2875	- 442	----	190	SD, DOL	
LEONARD (CF-WICH)	2875	- 442	4840	- 2407	----	1965	DOL, SH	
WOLFCAMP	4840	- 2407	5680	- 3247	490	840	LS, DTR, SH	EST
PENNSYLVANIAN	5680	- 3247	6949	- 4516	850	1269	LS, SH	EST
MISS.-UPPER DEVONIAN	6949	- 4516	6949	- 4516	----	0		UNC
DEVONIAN	6949	- 4516	7046	- 4613	97	97	LS	
FUSSELMAN	7046	- 4613	7066	- 4633	20	20	LS	
MONTOYA	7066	- 4633	7165	- 4732	99	99	LS	
SIMPSON	7165	- 4732	8220	- 5787	----	1055	SH, LS, SD	
ELLENBURGER	8220	- 5787	8500	- 6067	280+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS      WELL ID NO. : 16C76      ELEVATION : 2910      TOTAL DEPTH : 22642  
 OPERATOR : GULF OIL CORP.      WELL : NO.1 ABELL EAST UNIT  
 LOCATION : 1700 E. 2555 S OF NW/CORNSEC:      TNSP :      RNG :      SUR : J. RICHARDS 222, ABST.762

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	985	1925	1255	1655	60	270	SH	EST
SANTA ROSA EQV	1100	1810	1185	1725	15	85	SH	EST
RUSTLER-SALADO	1420	1490	2750	160	----	1330	ANH,SLT,DOL	
YATES	2750	160	2940	- 30	----	190	SD, SH	
GUADALUPE	2750	160	6520	- 3610	----	3770	LS, SH, SD	
CAPITAN REEF	3800	- 890	4840	- 1930	----	1040	LS	
LEONARD	6520	- 3610	8965	- 6055	----	2445	SH, LS	EST
WOLFCAMP	8965	- 6055	10515	-13605	0	7550	SH	EST
PENNSYLVANIAN	16515	-13605	16870	-13960	150	355	SH, LS	
MISSISSIPPIAN	16870	-13960	17880	-14970	420	1010	SH, LS	
BARNETT	16870	-13960	17375	-14465	----	505	SH	
MISS. LS	17375	-14465	17880	-14970	----	505	LS	
WOODFORD	17880	-14970	18090	-15180	----	210	SH	
DEVONIAN	18090	-15180	18354	-15444	264	264	LS, CMT	
SILURIAN	18354	-15444	18435	-15525	----	81	SH	
FUSSELMAN	18435	-15525	18735	-15825	300	300	LS, DOL	
MONTOYA	18735	-15825	19080	-16170	345	345	LS, DOL	
SIMPSON	19080	-16170	20998	-18088	----	1918	SH, LS, SD	
ELLENBURGER	20998	-18088	22587	-19677	1589	1589	DOL	
PRE-CAMBRIAN	22587	-19677	22642	-19732	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 16C81                      ELEVATION : 2941                      TOTAL DEPTH : 22850  
 OPERATOR : GULF OIL CORP.                      WELL : NO.7-1 FT. STOCKTON GAS UNIT  
 LOCATION : 2020 F MOST N LINE, 3300 SEC:                      TNSP :                      RNG :                      SUR : FT. STOCKTON IRRIG. LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1010	1931	1145	1796	25	135	SH, SD	EST
SANTA ROSA EQV.	1010	1931	1093	1848	15	83	SH, SD	EST
RUSTLER-SALADO	1305	1636	2675	266	----	1370	ANHY, SLT	
YATES	2675	266	2818	123	----	143	SD, LS	
GUADALUPE	2675	266	6270	- 3329	----	3595	LS, SD, SH	
CAPITAN REEF	3570	- 629	4423	- 1482	----	853	LS	
LEONARD	6270	- 3329	8345	- 5404	----	2075	DOL, SH	EST
WOLFCAMP	8345	- 5404	16885	-13944	0	8540	SH	EST
PENNSYLVANIAN	16885	-13944	17000	-14059	60	115	LS, SH	EST
MISSISSIPPIAN	17000	-14059	18075	-15134	380	1075	SH, LS	
BARNETT	17000	-14059	17572	-14631	----	572	SH	
MISS. LS	17572	-14631	18075	-15134	----	503	LS	
WOODFORD	18075	-15134	18295	-15354	----	220	SH	
DEVONIAN	18295	-15354	18590	-15649	295	295	LS	
SILURIAN	18590	-15649	18680	-15739	----	90	SH, LS	
FUSSELMAN	18680	-15739	19005	-16064	325	325	LS	
MONTOKA	19005	-16064	19376	-16435	371	371	DOL, LS	
SIMPSON	19376	-16435	21486	-18545	----	2110	SH, SD, LS	
ELLENBURGER	21486	-18545	22800	-19859	1314	1314	DOL	
PRE-CAMBRIAN	22800	-19859	22850	-19909	----	50	GRT	

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 1601                      ELEVATION : 3527                      TOTAL DEPTH : 10031  
 OPERATOR : DEEP ROCK OIL CORP.                      WELL : NO.1 SLAUGHTER  
 LOCATION : 660 FSL, 660 FEL                      SEC: 31                      TNSP : 0129                      RNG :                      SUR : T+STL RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CRETACEOUS	40	3487	600	2927	----	560	LS, SD BASE	EST
GUADALUPE (UNDIFF.)	600	2927	1290	2237	----	690	SH, LS	EST
WOLFCAMP	1290	2237	10031	- 6504	----		SH, LS	TD

REMARKS  
 CRETACEOUS=PERMIAN BOUNDARY IS ARBITRARY AND QUESTIONABLE.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS WELL ID NO. : 17C1 ELEVATION : 2822 TOTAL DEPTH : 8918

OPERATOR : STD. OF TEXAS WELL : NO.1-E SMITH 3-35

LOCATION : 2130 FNL, 1980 FEL SEC: 35 TNSP : 0194 RNG : SUR : GC+SFR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
LEONARD	3172	- 350	5070	- 2248	----	1898	SH, LS	
WOLFCAMP	5070	- 2248	6800	- 3978	640	1730	SH, LS, DTR	
PENNSYLVANIAN	6800	- 3978	7690	- 4868	450	890	LS, SH	
MISS.-UPPER SIMPSON	7690	- 4868	7690	- 4868	----	0		UNC
SIMPSON	7690	- 4868	8515	- 5693	----	825	SH, LS	
ELLENBURGER	8515	- 5693	8918	- 6096	403+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 17C4                      ELEVATION : 2737                      TOTAL DEPTH : 11305  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.1 CANON  
 LOCATION : 660 FSL, 435 FWL                      SEC: 54                      TNSP : 0A-2                      RNG                      SUR : TC RP

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	755	1982	885	1852	0	130	SH	EST
RUSTLER	950	1787	1530	1207	----	580	ANH	
YATES	1530	1207	1670	1067	----	140	SD, SH	
WHITEHORSE GROUP	1530	1207	2535	202	----	1005	LS, SD, ANHY	
SAN ANDRES	2535	202	4080	- 1343	----	1545	LS, SD, DOL	
LEONARD	4080	- 1343	6100	- 3363	----	2020	SH, LS, SD	
WOLFCAMP	6100	- 3363	8520	- 5783	110	2420	SH, SD	
PENNSYLVANIAN	8520	- 5783	9130	- 6393	380	610	LS	
MISS. - WOODFORD	9130	- 6393	9130	- 6393	----	0		UNC
DEVONIAN	9130	- 6393	9680	- 6943	550	550	LS, GHT	
SILURIAN SHALE	9680	- 6943	9725	- 6988	----	45	SH	
FUSSELMAN	9725	- 6988	9725	- 6988	----	0		UNC
MONTOYA	9725	- 6988	9752	- 7015	27	27	LS	
SIMPSON	9752	- 7015	10790	- 8053	----	1038	LS, SH	
ELLENBURGER	10790	- 8053	11305	- 8568	515+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : US - PECOS                      WELL ID NO. : 17C13                      ELEVATION : 2170                      TOTAL DEPTH : 8290  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.1 HOLMES  
 LOCATION : 660 FNL, 7744 FWL                      SEC: 49                      TNSP : 0001                      RNG :                      SUR : I+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	234	1936	274	1896	0		SH	TD
YATES	820	1350	943	1227	----	123	SD, SH	
WHITEHORSE GROUP	820	1350	1745	425	----	925	LS, SD, DOL	
SAN ANDRES	1745	425	3247	- 1077	----	1502	DOL, LS	
LEONARD	3247	- 1077	4930	- 2760	----	1683	SH, SD, LS	
WOLFCAMP	4930	- 2760	5640	- 3470	550	710	LS, DTR, SH	
PENNSYLVANIAN	5640	- 3470	6930	- 4760	1020	1290	LS	
MISS.-UPPER SIMPSON	6930	- 4760	6930	- 4760	----	0		UNC
SIMPSON	6930	- 4760	7290	- 5120	----	360	LS, SH, SD	
ELLENBURGER	7290	- 5120	8290	- 6120	1000+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UM - PRESIDIO      WELL ID NO. : 1402      ELEVATION : 4679      TOTAL DEPTH : 6514  
 OPERATOR : O. N. BEER INC.      WELL : NO. 1 YORK  
 LOCATION : 1980 FSL, 467 FEL      SEC: 309      TNSP : 2      RNG :      SUR : T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TERTIARY VOLCANICS	20	4659	3940	739	----	3920	BSLT	SUR
CRETACEOUS (UNDIFF.)	3940	739	4170	509	----	230	LS, SH	
PERMIAN (UNDIFF.)	4170	509	5398	- 719	----	1228	LS, SH	
FUSSELMAN	5398	- 719	6090	- 1411	----	692	LS, DOL	
SIMPSON	6090	- 1411	6500	- 1821	----	410	LS, SH, SD	
ELLENBURGER	6500	- 1821	6514	- 1835	----		LS, DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UH - PRESIDIO      WELL ID NO. : 1404      ELEVATION : 4740      TOTAL DEPTH : 6020  
 OPERATOR : TUCKER DRLG. CO.      WELL : NO.1 HOLMES  
 LOCATION : 510 FSL, 660 FWL      SEC: 133      TNSP : 8      RNG :      SUR : GH+SA RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TERTIARY VOLCANICS	20	4720	3884	856	----	3864	BSLT	SUR
CRETACEOUS (UNDIFF.)	4080	660	6020	- 1280	----		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UN - PRESIDIO      WELL ID NO. : 1405      ELEVATION : 3858      TOTAL DEPTH : 8111  
 OPERATOR : N.B. HUNT      WELL : NO.1 PRESIDIO TRUST  
 LOCATION : 710 FSL, 140 FEL      SEC: 99      TNSP : 3      RNG :      SUR : D+P RR

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
TERTIARY VOLCANICS	25	3833	2414	1444	----	2389	BSLT	SUR
AUSTIN CHALK	2414	1444	2615	1243	----	201	LS, MRL	
BUDA	2615	1243	2705	1153	----	90	LS	
DEL RIO	2705	1153	2745	1113	----	40	SH, LS	
GEORGETOWN	2745	1113	3865	- 7	----	1120	SH, LS	
TRINITY	3865	- 7	5805	- 1947	----	1940	SD, SH, LS	
PERMIAN (UNDIFF.)	5805	- 1947	8005	- 4147	----	2200	LS, SH, SD	
PRE-CAMBRIAN	8005	- 4147	8111	- 4253	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UM - PRESIDIO      WELL ID NO. : 14D6      ELEVATION : 5057      TOTAL DEPTH : 6073  
 OPERATOR : LEWIS W. WELCH      WELL : NO.1 BRITE  
 LOCATION : 990 FSL, 990 FWL      SEC: 34      TNSP : 4      RNG :      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TERTIARY VOLCANICS	25	5032	3145	1912	----	3120	BSLT	SUR
CRETACEOUS (UNDIFF.)	3145	1912	4715	342	----	1570	SH, LS	
PERMIAN (UNDIFF.)	4715	342	6045	- 988	----	1330	LS, CHT, SH	
PENN. - U. ORDOV.	6045	- 988	6045	- 988	----	0		UNC
BLISS	6045	- 988	6073	- 1016	----		SS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UM - PRESIDIO      WELL ID NO. : 1407      ELEVATION : 4746      TOTAL DEPTH : 7837  
 OPERATOR : LEWIS W. WELSH      WELL : NO.1 ESPY  
 LOCATION : 330 FSL, 2460 FWL      SEC: 110      TNSP : 4      RANG :      SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TERTIARY VOLCANICS	25	4746	3380	1366	----	3355	BSLT	SUR
CRETACEOUS (UNDIFF.)	3380	1366	5147	- 401	----	1767	LS, SD, SH	
PERMIAN (UNDIFF.)	5147	- 401	6280	- 1534	----	1133	LS, SD	
PENN. - U. URDOV.	6280	- 1534	6280	- 1534	----	0		UNC
ELLENBURGER	6280	- 1534	6975	- 2229	----	695	LS, DOL	
WILBERNS	6975	- 2229	7175	- 2429	----	200	DOL, SD	
BLISS	7175	- 2429	7720	- 2974	----	545	SD	
PRE-CAMBRIAN	7720	- 2974	7837	- 3091	----		GRT	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : UM - PRESIDIO      WELL ID NO. : 14D20      ELEVATION : 4691      TOTAL DEPTH : 9420  
 OPERATOR : SINCLAIR      WELL : NO.1 EVANS  
 LOCATION : 1980 FEL, 990 FSL      SEC: 177      TNSP : 2      RNG :      SUR : T+P RR

FORMATION	DEPTH	TOP	SUB-SEA	DEPTH	BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
VOLCANICS	30		4661	4776	-	85	----	4746	IGN	
CRETACEOUS	4776		- 85	5756	-	1065	----	980	LS,SH,SD	
PERMIAN UNDIFF.	5756		- 1065	9116	-	4425	----	3360	LS,SH,SD	
PRE-CAMBRIAN	9116		- 4425	9420	-	4729	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : U<sub>W</sub> - PRESIDIO      WELL ID NO. : 14D26      ELEVATION : 4600      TOTAL DEPTH : 10132  
 OPERATOR : GULF OIL CORP.      WELL : NO.1 HUBBARD  
 LOCATION : 660 FNL, 660 FWL      SEC: 74      TNSP : 8      RNG :      SUR : GH+SA RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
PERMIAN UNDIFF.	5868	- 1268	8558	- 3958	----	2690	SH,LS,SD	
FUSSELMAN	8558	- 3958	9348	- 4748	----	790	LS	
MONTOYA-SIMPSON	9348	- 4748	9786	- 5186	----	438	LS,SH	
ELLENBURGER	9786	- 5186	10132	- 5532	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : U<sub>W</sub> - PRESIDIO      WELL ID NO. : 1505      ELEVATION : 4890      TOTAL DEPTH : 7908  
 OPERATOR : PURE OIL CO.      WELL : NO.1 LANE  
 LOCATION : 660 FSL, 660 FWL      SEC: 503      TNSP : 8      RNG :      SUR : GH+SA RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TERTIARY VOLCANICS	0	4890	3420	1470	----	3420	IGN	
CRETACEOUS UNDIFF.	3420	1470	3810	1080	----	390	LS,SH	
PERMIAN UNDIFF.	3810	1080	5627	- 737	----	1817	LS,SH	
PENN. UNDIFF.	5627	- 737	5680	- 790	----	53	DTR	EST
WOODFORD	5680	- 790	5750	- 860	----	70	SH	
SILURO-DEVONIAN	5750	- 860	6550	- 1660	----	800	LS	
MONTOYA	6550	- 1660	6940	- 2050	350	390	LS	
SIMPSON	6940	- 2050	7554	- 2664	----	614	SH	
ELLENBURGER	7554	- 2664	7908	- 3018	354+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : U<sub>M</sub> - PRESIDIO      WELL ID NO. : 1507      ELEVATION : 5338      TOTAL DEPTH : 15969  
 OPERATOR : GULF OIL CORP.      WELL : NO.1 MITCHELL BROS.  
 LOCATION : 1980 FSL, 1980 FWL      SEC: 40      TNSP : 1      RNG :      SUR : TWNG RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TERTIARY VOLCANICS	0	5338	2320	3018	----	2320	IGN	
CRETACEOUS UNDIFF.	2320	3018	3600	1738	----	1280	LS,SH	
LEONARD	3600	1738	4900	438	----	1300	SH,LS	
WOLFCAMP	4900	438	7620	- 2282	----	2720	SH,LS	EST
PENN. UNDIFF.	7620	- 2282	12770	- 7432	300	5150	SH,SD,LS	
MISSISSIPPIAN	12770	- 7432	13325	- 7987	70	555	SH,LS	
WOODFORD	13325	- 7987	13420	- 8082	----	95	SH	
SILURO-DEVONIAN	13420	- 8082	14075	- 8737	----	655	LS	
MONTOKA	14075	- 8737	14515	- 9177	400	440	LS	EST
SIMPSON	14515	- 9177	15235	- 9897	----	720	SH	
ELLENBURGER	15235	- 9897	15969	-10631	734+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : U2 - REAGAN                      WELL ID NO. : 17A4                      ELEVATION : 2674                      TOTAL DEPTH : 10030  
 OPERATOR : PAN AMERICAN PETR.                      WELL : NO.2 GREER  
 LOCATION : 660 FNL, 660 F#L                      SEC: 42                      TNSP : 000A                      RNG :                      SUR : L+SVR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	426	2248	1038	1636	110	SD, SH	EST
SANTA ROSA	630	2044	840	1834	65	SD, SH	
RUSTLER-SALADO	1229	1445	1912	762	----	ANHY	
YATES	1912	762	2055	619	----	SD, SH	
WHITEHORSE GROUP	1912	762	3150	- 476	----	LS, SD	
SAN ANDRES	3150	- 476	3960	- 1286	----	LS, SD	
LEONARD	3960	- 1286	6208	- 3534	----	SH, SD, LS	EST
SPRABERRY	6208	- 3534	7690	- 5016	----	SD, SH	
DEAN	7890	- 5216	8075	- 5401	----	SD, SH	
WOLFCAMP	8075	- 5401	9929	- 7255	20	SH, SD	
PENNSYLVANIAN	9929	- 7255	10030	- 7356	----	LS, SH	ID

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UZ - REAGAN      WELL ID NO. : 17A50      ELEVATION : 2616      TOTAL DEPTH : 10170  
 OPERATOR : YORK AND HARPER      WELL : NO.1 SUGG  
 LOCATION : 660 FNL, 660 FWL      SEC: 104      TNSP : 0002      RNG :      SUR : T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	1380	1236	2460	156	----	1080	ANHY,LS,SD	
SAN ANDRES	2460	156	3580	- 964	----	1120	DOL,SD,SH	
LEONARD (CF EQV.)	3580	- 964	5515	- 2899	----	1935	SH,SD,LS	
SPRABERRY	5515	- 2899	4920	- 4304	----	1405	SH,SD	
DEAN	6920	- 4304	7040	- 4424	----	120	SD,SH	
WOLFCAMP	7040	- 4424	9318	- 6702	240	2278	SH,SD,LS	
PENNSYLVANIAN	9318	- 6702	9565	- 6949	190	247	LS,SH	
MISSISSIPPIAN	9565	- 6949	9702	- 7086	0	137	SH,LS	
DEVONIAN	9702	- 7086	9935	- 7319	----	233	LS	
FUSSELMAN - SIMPSON	9935	- 7319	9935	- 7319	----	0		UNC
ELLENBURGER	9935	- 7319	10170	- 7554	----		DOL	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UZ - REAGAN      WELL ID NO. : 1781      ELEVATION : 2629      TOTAL DEPTH : 10560  
 OPERATOR : PHILLIPS PETH. CO.      WELL : NO.5 ZULEITE  
 LOCATION : 1981 FEL, 660 FSL      SEC: 6      TNSP : 000L      RNG :      SUR : TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	460	2169	835	1794	-----	375	SH, SD	EST
RUSTLER	930	1699	1690	939	-----	760	ANHY, SH, DOL	
YATES	1690	939	1817	812	-----	127	SD, SH	
WHITEHORSE GROUP	1690	939	2780	- 151	-----	1090	LS, SD, ANHY	
SAN ANDRES	2780	- 151	3690	- 1061	-----	910	LS, SD, DOL	
LEONARD	3690	- 1061	5565	- 2936	-----	1875	SD, SH, LS	EST
SPRABERRY	5565	- 2936	7157	- 4528	-----	1592	SD, SH	
DEAN	7460	- 4831	7690	- 5061	-----	230	SD, SH	
WOLFCAMP	7690	- 5061	9532	- 6903	30	1842	SH, SD	
PENNSYLVANIAN	9930	- 7301	9746	- 7117	90	184	LS, SH	
MISSISSIPPIAN	9746	- 7117	9900	- 7271	30	154	SH, LS	
WOODFORD	9900	- 7271	9930	- 7301	-----	30	SH	
SILURO-DEVONIAN	9930	- 7301	10411	- 7782	481	481	LS, CHT, SH	
SYLVAN SHALE	10411	- 7782	10475	- 7846	-----	64	SH	
ELLENBURGER	10475	- 7846	10560	- 7931	85+		DOL      ERD      TD	

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UZ - REAGAN      WELL ID NO. : 1782      ELEVATION : 2624      TOTAL DEPTH : 10822  
 OPERATOR : GOLD METALS-SANTANA      WELL : NO.1 UNIVERSITY  
 LOCATION : 1980 FEL, 660 FSL      SEC: 30      TNSP : 0058      RNG :      SUR : UNIVERSITY LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	497	2127	914	1710	----	417	SH, SD	EST
SANTA ROSA	540	2084	745	1879	----	205	SD, SH	
RUSTLER	1074	1550	1872	952	----	598	ANHY, DOL	
YATES	1672	952	1800	824	----	128	SD, SH	
WHITEHORSE GROUP	1672	952	2850	- 226	----	1178	LS, SD, ANHY	
SAN ANDRES	2850	- 226	3740	- 1116	----	890	LS, SD	
LEONARD	3740	- 1116	5610	- 2986	----	1870	SH, LS, SD	
SPRABERRY	5610	- 2986	7165	- 4541	----	1555	SD, SH	
DEAN	7415	- 4791	7615	- 4991	----	200	SD, SH	
WOLFCAMP	7615	- 4991	9812	- 7188	40	2197	SH, SD	
PENNSYLVANIAN	9812	- 7188	10180	- 7556	140	368	LS, SH	
MISSISSIPPIAN	10180	- 7556	10327	- 7703	20	147	SH, LS	
WOODFORD	10327	- 7703	10362	- 7738	----	35	SH	
SILURO-DEVONIAN	10362	- 7738	10744	- 8120	382	382	LS, CHT	
SYLVAN SHALE	10744	- 8120	10780	- 8156	----	36	SH	
ELLENBURGER	10780	- 8156	10822	- 8198	42*		DOL      ERD      TD	



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UZ - REAGAN      WELL ID NO. : 17B3      ELEVATION : 2722      TOTAL DEPTH : 10700

OPERATOR : MCFARLAND CORP.      WELL : NO.1-10

LOCATION : 467 FSL, 467 FWL OF NW/4 SEC: 10      TNSP :      RNG :      SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	740	1982	1123	1599	115	383	SH, SD	EST
SANTA ROSA	740	1982	960	1762	75	220	SD, SH	
RUSTLER	1310	1412	1765	957	----	455	ANHY, DOL	
YATES	1765	957	1895	827	----	130	SH, SD	
WHITEHORSE GROUP	1765	957	2805	- 83	----	1040	LS, ANHY, SH	
SAN ANDRES	2805	- 83	3590	- 868	----	785	LS, SD	
LEONARD	3590	- 868	5655	- 2933	----	2065	SH, LS, SD	
SPRABERRY	5655	- 2933	7035	- 4313	----	1380	SD, SH	
DEAN	7300	- 4578	7505	- 4783	----	205	SD, SH	
WOLFCAMP	7505	- 4783	9820	- 7098	40	2315	SH, SD	
PENNSYLVANIAN	9820	- 7098	10200	- 7478	160	380	LS, S	
MISSISSIPPIAN	10200	- 7478	10330	- 7608	70	130	LS, SH	
WOODFORD	10330	- 7608	10365	- 7643	----	35	SH	
SILURO-DEVONIAN	10365	- 7643	10700	- 7978	335		LS, CHT, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : U2 - REAGAN      WELL ID NO. : 17852      ELEVATION : 2408      TOTAL DEPTH : 9907  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO. K-1 SAWYER  
 LOCATION : 1918 FNL, 1918 FEL      SEC: 18      TNSP : 0001      RNG :      SUR : T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WHITEHORSE GROUP	990	1418	2110	298	----	1120	ANHY,SH,SD	
SAN ANDRES	2110	298	3140	- 732	----	1030	DOL,LS,SD	
LEONARD (CF EQV.)	3140	- 732	5265	- 2857	----	2125	SH,SD,LS	
SPRABERRY	5265	- 2857	6429	- 4021	----	1164	SH,SD	
DEAN	6429	- 4021	6580	- 4172	----	151	SH,SD	
WOLFCAMP	6580	- 4172	8940	- 6532	120	2360	SH,SD,LS	
PENNSYLVANIAN	8940	- 6532	9209	- 6801	105	269	LS,SH	
MISSISSIPPIAN	9209	- 6801	9209	- 6801	----	0		UNC
DEVONIAN	9209	- 6801	9410	- 7002	----	201	LS	
FUSSELMAN - SIMPSON	9410	- 7002	9410	- 7002	----	0		UNC
ELLENBURGER	9410	- 7002	9907	- 7499	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 1486                      ELEVATION : 3254                      TOTAL DEPTH : 12700  
 OPERATOR : TEXACO INC.                      WELL : NO.1-AR REEVES FEE  
 LOCATION : 1980 FSL, 660 FWL                      SEC: 1                      TNSP : 0058                      RNG :                      SUR : TWP-6 T-P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RUSTLER-SALADO	1010	2244	3040	214	----	2030	ANHY, DOL	
DELAWARE MTN. GROUP	3040	214	6150	- 2896	----	3110	SD, SH, LS	
LEONARD (BONE SPRING)	6150	- 2896	8720	- 5466	----	2570	SH, LS, SD	
WOLFCAMP	8720	- 5466	11410	- 8156	0	2690	SH, SD	
PENNSYLVANIAN	11410	- 8156	11410	- 8156	----	0		UNC
MISSISSIPPIAN	11410	- 8156	12100	- 8846	0	690	SH, LS	
BARNETT	11410	- 8156	11965	- 8711	----	555	SH	
MISS. LS	11965	- 8711	12100	- 8846	----	135	LS	
WOODFORD	12100	- 8846	12470	- 9216	----	370	SH	
SILURO-DEVONIAN	12470	- 9216	12700	- 9446	230+		LS, CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES      WELL ID NO. : 14811      ELEVATION : 3445      TOTAL DEPTH : 10400  
 OPERATOR : SHELL OIL CO.      WELL : NO.1 SHELL-CONTINENTAL  
 LOCATION : 2107 FSL, 2151 FWL      SEC: 7      TNSP : 0058      RNG :      SUR : TWP-7 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RUSTLER-SALADO	535	2910	3075	370	----	2540	ANHY, DOL	
DELAWARE MTN. GROUP	3075	370	5520	- 2075	----	2445	SD, SH	
LEONARD (BONE SPRING)	5520	- 2075	7805	- 4360	----	2285	LS, SH, SD	
WOLFCAMP - PENN.	7805	- 4360	7805	- 4360	----	0		UNC
MISSISSIPPIAN	7805	- 4360	8080	- 4635	30	275	SH, LS	
BARNETT	7805	- 4360	7928	- 4483	----	123	SH	
MISS. LS	7928	- 4483	8080	- 4635	----	152	LS, SH	
WOODFORD	8080	- 4635	8420	- 4975	----	340	SH	
SILURO-DEVONIAN	8420	- 4975	9044	- 5599	624	624	LS, CHT	
MONTOYA	9044	- 5599	9484	- 6039	440	440	LS, DOL	
SIMPSON	9484	- 6039	10110	- 6665	----	626	SH, LS	
ELLENBURGER	10110	- 6665	10400	- 6955	----		DOL	TD

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CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES      WELL ID NO. : 14B12      ELEVATION : 3728      TOTAL DEPTH : 10700  
 OPERATOR : TEXACO INC.      WELL : NO.1 EVEREST  
 LOCATION : 660 FSL, 660 FWL      SEC: 31      TNSP : 0058      RNG :      SUR : TWP-7 T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RUSTLER-SALADO	750	2978	3478	250	----	2728	ANHY, DOL	
DELAWARE MTN. GROUP	3478	250	5713	- 1985	----	2235	SD, SH, LS	
LEONARD (BONE SPRING)	5713	- 1985	7000	- 3272	----	1287	LS, SH, SD	
WOLFCAMP	7000	- 3272	7250	- 3522	40	250	SH, DTR	
PENNSYLVANIAN	7250	- 3522	7250	- 3522	----	0		UNC
MISSISSIPPIAN	7250	- 3522	8084	- 4356	20	834	SH, LS	
BARNETT	7250	- 3522	8040	- 4312	----	790	SH	
MISS. LS	8040	- 4312	8084	- 4356	----	44	LS, SH	
WOODFORD	8084	- 4356	8400	- 4672	----	316	SH	
DEVONIAN	8400	- 4672	8770	- 5042	370	370	LS, CHT	
SILURIAN SHALE	8770	- 5042	8994	- 5266	----	224	SH, LS	
FUSSELMAN	8994	- 5266	9155	- 5427	161	161	LS	
MONTOYA	9155	- 5427	9610	- 5882	455	455	LS, DOL	
SIMPSON	9610	- 5882	10430	- 6702	----	820	SH, LS, SD	
ELLENBURGER	10430	- 6702	10700	- 6972	270+		DOL	TD

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JUN 1971

COUNTY : WD - RLEVES      WELL ID NO. : 15A6      ELEVATION : 2800      TOTAL DEPTH : 3440

OPERATOR : MIDWEST      WELL : NO.1 MCCAMEY

LOCATION : 1980 FSL, 660 FEL      SEC: 16      TNSP : 0056      RNG :      SUR : TWP-2 T+P

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	270	2530	570	2230	----	300	SH	EST
RUSTLER EST.	575	2225	3181	- 381	----	2606	ANHY,SH,DOL	
DELAWARE MTN. GROUP	3181	- 381	3440	- 640	----		SD, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : MD - REEVES      WELL ID NO. : 15A9      ELEVATION : 2730      TOTAL DEPTH : 15721  
 OPERATOR : TEXAS PACIFIC      WELL : NO.1 ANDERSON  
 LOCATION : 660 FNEL, 660 FNEL      SEC: 10      TNSP : 0002      RNG :      SUR : H+GN

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUR-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1082	1648	1105	1625	0	23	SH	EST
RUSTLER-SALADO	1135	1595	3780	- 1050	----	2645	ANH,SLT,DOL	
DELAWARE MTN. GROUP	3780	- 1050	7440	- 4710	----	3660	SD, SH, LS	
LEONARD	7440	- 4710	10600	- 7870	----	3160	SH, LS	
WOLFCAMP	10600	- 7870	15721	-12991	----		SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : MD - REEVES                      WELL ID NO. : 1981                      ELEVATION : 2975                      TOTAL DEPTH : 13405  
 OPERATOR : MARATHON OIL CO.                      WELL : NO.1-NT MARATHON STATE  
 LOCATION : 1980 FSL, 1980 FWL                      SEC: 28                      TNSP : 0055                      RANG :                      SUR : TWP 5-S T+P

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1140	1835	1285	1690	----	145	SH, SD	EST
RUSTLER	1410	1565	3670	- 695	----	2260	ANH,SLT,DOL	
DELAWARE MTN. GROUP	3670	- 695	6784	- 3809	----	3114	SH, SD	
LEONARD	6784	- 3809	9380	- 6405	----	2596	SH, LS	
WOLFCAMP	9380	- 6405	11780	- 8805	40	2400	SH, DTR	
PENNSYLVANIAN	11780	- 8805	11780	- 8805	----	0	SH, LS	UNC
MISSISSIPPIAN	11780	- 8805	12540	- 9565	10	760	SH, LS	
BARNETT	11780	- 8805	12350	- 9375	----	570	SH	
MISS. LS	12350	- 9375	12540	- 9565	----	190	LS, SH	
WOODFORD	12540	- 9565	12990	-10015	----	450	SH	
DEVONIAN	12990	-10015	13090	-10115	100	100	LS	
SILURIAN SHALE	13090	-10115	13305	-10330	----	215	SH	
FUSSELMAN	13305	-10330	13405	-10430	140+		LS	TD



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JUN 1971

COUNTY : WD - REEVES      WELL ID NO. : 1582      ELEVATION : 2823      TOTAL DEPTH : 15038  
 OPERATOR : GULF AND PHILLIPS      WELL : NO.1 SHURTLEFF-TOYAH UNIT  
 LOCATION : 660 FNL, 1983 FEL      SEC: 20      TNSP : C-17      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1352	1471	1478	1345	0	126	SH, SH	
RUSTLER-SALADO	1542	1281	3855	- 1032	----	2313	ANHY, SLT	
DELAWARE MTN. GROUP	3845	- 1022	6891	- 4068	----	3046	SD, SH	
LEONARD	6891	- 4068	9360	- 6537	----	2469	SH, LS	
WOLFCAMP	9360	- 6537	11390	- 8567	0	2030	SH	
PENNSYLVANIAN	11390	- 8567	11390	- 8567	----	0	LS, SH	UNC
MISSISSIPPIAN	11390	- 8567	12195	- 9372	0	805	SH, LS	
BARNETT	11390	- 8567	12005	- 9182	----	615	SH	
MISS. LS	12005	- 9182	12195	- 9372	----	190	LS	
WODFORD	12195	- 9372	12520	- 9697	----	325	SH	
DEVONIAN LS	12520	- 9697	12520	- 9697	0	0	LS	UNC
SILURIAN SHALE	12520	- 9697	12690	- 9867	----	170	SH	
FUSSELMAN EQV	12690	- 9867	12990	-10167	300	300	LS	
MONTOYA	12990	-10167	13520	-10697	530	530	LS	
SIMPSON	13520	-10697	14710	-11887	----	1190	SH, SD, LS	
ELLENBURGER	14710	-11887	15038	-12215	328+		UOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES      WELL ID NO. : 1583      ELEVATION : 2642      TOTAL DEPTH : 7545  
 OPERATOR : SKELLY OIL CO.      WELL : NO.1 YARBOROUGH  
 LOCATION : 1980 FSWL, 1980 FSEL      SEC: 74      TNSP : 0004      RNG :      SUR : H+GN

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUR-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1240	1402	1750	892	0	510	SH	EST
RUSTLER-SALADO	1880	762	4340	- 1698	----	2460	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4340	- 1698	7545	- 4903	----		SD, SH, LS	ID
LEONARD	7550	- 4908	7550	- 4908	----	0		EST

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 15B6                      ELEVATION : 3092                      TOTAL DEPTH : 13426  
 OPERATOR : GULF OIL CORP.                      WELL : NO.1 STATE-PARKER GAS UNIT  
 LOCATION : 1276 FMSSL, 660 FMEWL                      SEC:                      TNSP :                      RNG :                      SUR : NO.61 MANUEL TOREZ

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	673	2419	910	2182	----	237	SH	EST
RUSTLER-SALADO	1130	1962	3380	- 288	----	2250	ANH, SLT, DOL	
DELAWARE MTN. GROUP	3380	- 288	6370	- 3278	----	2990	SD, SH, LS	
LEONARD	6370	- 3278	8664	- 5572	----	2294	SH, LS	
WOLFCAMP	8664	- 5572	9855	- 6763	0	1191	SH	
PENNSYLVANIAN	9855	- 6763	9855	- 6763	----	0	LS, SH	UNC
MISSISSIPPIAN	9855	- 6763	10702	- 7610	30	847	SH, LS	
BARNETT	9855	- 6763	10530	- 7438	----	675	SH	
MISS. LS	10530	- 7438	10702	- 7610	----	172	LS	
WOODFORD	10702	- 7610	11170	- 8078	----	468	SH	
DEVONIAN	11170	- 8078	11170	- 8078	0	0		UNC
SILURIAN SHALE	11170	- 8078	11270	- 8178	----	100	SH	
FUSSELMAN EQV	11270	- 8178	11552	- 8460	282	282	LS	
MONTOYA	11552	- 8460	12160	- 9068	608	608	LS, DOL	
SIMPSON	12160	- 9068	13150	-10058	----	990	SH, SD	
ELLENBURGER	13150	-10058	13426	-10334	376+		DOL	TD

REMARKS  
 DEVONIAN MISSING DUE TO LOCAL NON-DEPOSITION.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORP LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES      WELL ID NO. : 15B7      ELEVATION : 2630      TOTAL DEPTH : 17450  
 OPERATOR : PURF OIL CO.      WELL : NO.3 ANTHONY  
 LOCATION : 1980 FNL, 1980 FWL      SEC: 7      TNSP : 00-6      RNG :      SUR : PSI.

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RUSTLER-SALADO	855	1775	4890	- 2260	----	4035	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4890	- 2260	7870	- 5240	----	2980	SD, SH, LS	
LEONARD	7870	- 5240	10370	- 7740	----	2500	SH, LS	
WOLFCAMP	10370	- 7740	12870	-10240	0	2500	SH	
PENNSYLVANIAN	12870	-10240	12960	-10330	30	90	LS, SH	
MISSISSIPPIAN	12960	-10330	13550	-10920	220	590	LS, SH	
BARNETT	12960	-10330	13210	-10580	----	250	SH	
MISS. LS	13210	-10580	13550	-10920	----	340	LS	
WOODFORD	13550	-10920	13915	-11285	----	365	SH	
DEVONIAN	13550	-10920	14405	-11775	855	855	LS	
SILURIAN SHALE	14405	-11775	14610	-11980	----	205	SH	
FUSSELMAN	14610	-11980	14890	-12240	280	280	LS	
MONTOYA	14890	-12240	15370	-12740	680	480	LS, DOL	
SIMPSON	15370	-12740	16870	-14240	----	1500	SH, SD, LS	
ELLENBURGER	16870	-14240	17450	-14820	580+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 1589                      ELEVATION : 2617                      TOTAL DEPTH : 18578

OPERATOR : MOBIL OIL CO.                      WELL : NO.13 MOORE

LOCATION : 1867 FNL, 1755 FWL                      SEC: 4                      TNSP : 0C-3                      RNG :                      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	500	2117	930	1687	0	430	SH	EST
RUSTLER-SALADO	1080	1537	5040	- 2423	----	3960	ANH,SLT,DOL	
DELAWARE MTN. GROUP	5040	- 2423	7800	- 5183	----	2760	SD, LS, SH	
LEONARD	7800	- 5183	10350	- 7733	----	2550	LS, SH	
WOLFCAMP	10350	- 7733	12515	- 9898	20	2165	SH, DTR	
PENNSYLVANIAN	12515	- 9898	12830	-10213	130	315	LS, SH	
MISSISSIPPIAN	12830	-10213	14010	-11393	390	1180	SH, LS	
BARNETT	12830	-10213	13400	-10783	----	570	SH	
MISS. LS	13400	-10783	14010	-11393	----	610	LS	
WOODFORD	14010	-11393	14295	-11678	----	285	SH	
DEVONIAN	14295	-11678	14985	-12368	690	690	LS	
SILURIAN SHALE	14985	-12368	15180	-12563	----	195	SH	
FUSSELMAN	15180	-12563	15410	-12793	230	230	LS	
MONTOYA	15410	-12793	15968	-13351	558	558	LS, DOL	
SIMPSON	15968	-13351	17890	-15273	----	1922	SH, SD, LS	
ELLENBURGER	17890	-15273	18578	-15961	688+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 15811                      ELEVATION : 2680                      TOTAL DEPTH : 21668  
 OPERATOR : SUN OIL CO.                      WFL : NO.1 TERRILL STATE UNIT  
 LOCATION : 1960 FSL, 660 FEL                      SEC: 272                      TNSP : 0013                      RNG :                      SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	900	1780	980	1700	0	80	SH	EST
RUSTLER-SALADO	1054	1626	4936	- 2256	----	3882	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4936	- 2256	7980	- 5300	----	3044	SD, SH	
LEONARD	7980	- 5300	10330	- 7650	----	2350	SH, LS	
WOLFCAMP	10330	- 7650	16718	-14038	130	6388	SH	
PENNSYLVANIAN	16718	-14038	16970	-14290	50	252	LS, SH	
MISSISSIPPIAN	16970	-14290	17760	-15080	80	790	SH	
BARNETT	16970	-14290	17610	-14930	----	640	SH	
MISS. LS	17610	-14930	17760	-15080	----	150	LS	
WOODFORD	17760	-15080	18160	-15480	----	400	SH	
DEVONIAN	18160	-15480	18382	-15702	222	222	LS, CHT	
SILURIAN SHALE	18382	-15702	18584	-15904	----	202	SH	
FUSSELMAN	18584	-15904	18818	-16138	234	234	LS	
MUNTOYA	18818	-16138	18350	-15670	432	468	LS, DOL	
SIMPSON	18350	-15670	20880	-18200	----	2530	SH, LS, SD	
ELLENBURGER	20880	-18200	21368	-18688	488+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 15812                      ELEVATION : 2809                      TOTAL DEPTH : 21475  
 OPERATOR : TEXACO INC.                      WELL : NO.2 REEVES TXL FEE  
 LOCATION : 1320 FSL, 1320 FEL                      SEC: 40                      TNSP : 0050                      RNG :                      SUR : TWP-7 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	605	2204	725	2084	0	120	SH	EST
RUSTLER-SALADO	785	2024	5170	- 2361	-----	4385	ANH,SLT,DOL	
DELAWARE MTN. GROUP	5170	- 2361	8150	- 5341	-----	2980	SD, SH	
LEONARD	8150	- 5341	10370	- 7561	-----	2220	SH, LS	
WOLFCAMP	10370	- 7561	15610	-12801	140	5240	SH	
PENNSYLVANIAN	15610	-12801	15745	-12936	60	135	SH, LS	
MISSISSIPPIAN	15745	-12936	16730	-13921	140	985	SH, LS	
BARNETT	15745	-12936	16438	-13629	-----	693	SH	
MISS. LS	16438	-13629	16730	-13921	-----	292	LS	
WOODFORD	16730	-13921	16930	-14121	-----	200	SH	
DEVONIAN	16953	-14144	17390	-14581	437	437	LS	
SILURIAN SHALE	17390	-14581	17572	-14763	-----	182	SH	
FUSSELMAN	17572	-14763	17840	-15031	268	268	LS	
MONTOYA	17840	-15031	18324	-15515	484	484	LS	
SIMPSON	18324	-15515	20010	-17201	-----	1686	SH, LS, SD	
ELLENBURGER	20010	-17201	21435	-18626	1425	1425	DOL	
PRE-CAMBRIAN	21435	-18626	21475	-18666	-----		GRT      EST      TD	

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 15814                      ELEVATION : 2786                      TOTAL DEPTH : 21120  
 OPERATOR : TEXACO INC.                      WELL : NO.3 TXL REEVES STATE UNIT  
 LOCATION : 1320 FSL, 1320 FWL                      SEC: 17                      TNSP : 0049                      RNG :                      SUR : TWP-8 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	820	1966	905	1681	0	85	SH	EST
RUSTLER-SALADO	970	1816	5155	- 2369	----	4185	ANH,SLT,DOL	
DELAWARE MTN. GROUP	5155	- 2369	8108	- 5322	----	2953	SD, SH	
LEONARD	8108	- 5322	10290	- 7504	----	2182	SH, LS	
WOLFCAMP	10290	- 7504	16105	-13319	120	5815	SH	
PENNSYLVANIAN	16105	-13319	16250	-13464	0	145	LS, SH	
MISSISSIPPIAN	16250	-13464	17157	-14371	220	907	SH, LS	
BARNETT	16250	-13464	16655	-13869	----	405	SH	
MISS. LS	16655	-13869	17157	-14371	----	502	LS	
WOODFORD	17157	-14371	17400	-14614	----	243	SH	
DEVONIAN	17400	-14614	17920	-15134	520	520	LS	
SILURIAN SHALE	17920	-15134	18096	-15310	----	176	SH	
FUSSELMAN	18096	-15310	18340	-15554	244	244	LS	
MONTOYA	18340	-15554	18846	-16060	506	506	LS	
SIMPSON	18846	-16060	20715	-17929	----	1869	SH, SD	
ELLENBURGER	20715	-17929	21120	-18334	405+		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES      WELL ID NO. : 15817      ELEVATION : 3198      TOTAL DEPTH : 11000  
 OPERATOR : STD. OF TEXAS      WELL : NO.1 WEINACHT  
 LOCATION : 1875 FNL, 1650 FWL      SEC: 34      TNSP : 0013      RNG :      SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1650	1548	1678	1520	0	28	SH	EST
RUSTLER-SALADO	1730	1468	4475	- 1277	----	2745	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4475	- 1277	6920	- 3722	----	2445	SD, SH	
LEONARD	6920	- 3722	8648	- 5450	----	1728	SH, LS	
WOLFCAMP	8648	- 5450	9340	- 6142	60	692	SH, LS, DTR	
PENNSYLVANIAN	9340	- 6142	9340	- 6142	----	0	LS, SH	UNC
MISSISSIPPIAN	9340	- 6142	10005	- 6807	40	665	SH, LS	
BARNETT	9340	- 6142	9970	- 6772	----	630	SH	
MISS. LS	9970	- 6772	10005	- 6807	----	35	LS	
WOODFORD	10005	- 6807	10400	- 7202	----	395	SH	
DEVONIAN	10400	- 7202	10490	- 7292	90	90	LS	
SILURIAN SHALE	10490	- 7292	10704	- 7506	----	214	SH	
FUSSELMAN	10704	- 7506	10890	- 7692	186	186	LS	
MONTOYA	10890	- 7692	11000	- 7802	110		LS, DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 15B22                      ELEVATION : 2811                      TOTAL DEPTH : 13160  
 OPERATOR : GULF OIL CORP.                      WELL : NO.1 TODD TRUSTEE  
 LOCATION : 660 FSL, 660 FWL                      SEC: 13                      TNSP : 0072                      RNG :                      SUR : PSS

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1735	1076	2020	791	----	285	SH, SD	EST
RUSTLER-SALADO	2150	661	4030	- 1219	----	1800	ANH, SLT, DOL	
DELAWARE MTN. GROUP	4030	- 1219	6960	- 4149	----	2930	SD, SH, LS	
LEONARD	6960	- 4149	9480	- 6669	----	2520	LS, SH	
WOLFCAMP	9480	- 6669	12020	- 9209	40	2540	SH	
PENNSYLVANIAN	12020	- 9209	12020	- 9209	----	0	LS, SH	UNC
MISSISSIPPIAN	12020	- 9209	12700	- 9979	40	770	SH, LS	
BARNETT	12020	- 9209	12580	- 9769	----	560	SH	
MISS. LS	12580	- 9769	12790	- 9979	----	210	LS, SH	
WOODFORD	12790	- 9979	13080	- 10269	----	290	SH	
DEVONIAN	13080	- 10269	13160	- 10349	80+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES            WELL ID NO. : 15B26            ELEVATION : 2823            TOTAL DEPTH : 21225  
 OPERATOR : JAKE L. HAMON            WELL : NO.1 GILLISPIE  
 LOCATION : 1320 FNL, 1320 FNL            SEC: 27            TNSP : 0050            RNG :            SUR : TWP-8 T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	870	1953	950	1873	0	80	SH	EST
RUSTLER-SALADO	1040	1783	5122	- 2299	----	4082	AN	
DELAWARE MTN. GROUP	5122	- 2299	8022	- 5199	----	2900	SD, SH	
PENNSYLVANIAN	16021	-13198	16158	-13335	40	137	LS, SH	
MISSISSIPPIAN	16158	-13335	17060	-14237	30	902	SH, LS	
BARNETT	16158	-13335	16842	-14019	----	684	SH	
MISS. LS	16842	-14019	17060	-14237	----	218	LS	
WOODFORD	17060	-14237	17292	-14469	----	232	SH	
DEVONIAN	17292	-14469	17740	-14917	448	448	LS	
SILURIAN SHALE	17740	-14917	17862	-15039	----	122	SH	
FUSSELMAN	17862	-15039	18130	-15307	268	268	LS	
MONTOYA	18130	-15307	18700	-15877	570	570	LS, DOL	
SIMPSON	18700	-15877	20450	-17627	----	1750	SH, SD, LS	
ELLENBURGER	20450	-17627	21225	-18402	775+		UOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 15C1                      ELEVATION : 3049                      TOTAL DEPTH : 17751  
 OPERATOR : EL PASO NATURAL GAS                      WELL : NO.1 HOEFS  
 LOCATION : 660 F91. 660 FEL                      SEC: 326                      TNSP : 0013                      RRG :                      SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	BASE DEPTH	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	852	2197	925	2124	0	73	SH	FST
RUSTLER-SALADO	987	2062	5138	- 2089	----	4151	ANH,SLT,DOL	
DELAWARE MTN. GROUP	5138	- 2089	7815	- 4766	----	2677	SD, SH, LS	
LEONARD	7815	- 4766	9300	- 6251	----	1485	SH, LS	
WOLFCAMP	9300	- 6251	13505	-10456	340	4205	SH, DTR, SD	
PENNSYLVANIAN	13505	-10456	13655	-10606	40	150	SH, LS	
MISSISSIPPIAN	13655	-10606	14265	-11216	70	610	SH, LS	
BARNETT	13655	-10606	14160	-11111	----	505	SH	
MISS. LS	14160	-11111	14265	-11216	----	105	LS	
WOODFORD	14265	-11216	14670	-11621	----	405	SH	
DEVONIAN	14670	-11621	14783	-11734	113	113	LS, CHT	
SILURIAN SHALE	14783	-11734	14920	-11871	----	137	SH	
FUSSELMAN	14920	-11871	15150	-12101	230	230	LS	
MONTOYA	15150	-12101	15550	-12501	400	400	LS, DOL	
SIMPSON	15550	-12501	17207	-14158	----	1657	SH, LS, SD	
ELLENBURGER	17207	-14158	17751	-14702	544*		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 15C13                      ELEVATION : 3066                      TOTAL DEPTH : 11978  
 OPERATOR : PAN AMERICAN PETH.                      WELL : NO.1 TENNEY  
 LOCATION : 1320 FNL, 1320 FEL                      SEC: 231                      TNSP : 0013                      RNG :                      SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1463	1603	1530	1536	0	67	SH	EST
RUSTLER-SALADO	1603	1463	4611	- 1545	----	3008	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4611	- 1545	6782	- 3716	----	2171	SD, SH, LS	
LEONARD	6782	- 3716	8100	- 5034	----	1318	SH, LS	
WOLFCAMP	8100	- 5034	8340	- 5274	140	240	SH, DTR	
PENNSYLVANIAN	8340	- 5274	8340	- 5274	----	0		UNC
MISSISSIPPIAN	8340	- 5274	8903	- 5837	70	563	SH, LS	
BARNETT	8340	- 5274	8765	- 5699	----	425	SH	
MISS. LS	8765	- 5699	8903	- 5837	----	138	LS	
WOODFORD	8903	- 5837	9210	- 6144	----	307	SH	
DEVONIAN	9210	- 6144	9347	- 6281	137	137	LS	
SILURIAN SHALE	9347	- 6281	9410	- 6344	----	63	SH	
FUSSELMAN	9410	- 6344	9561	- 6495	151	151	LS	
MONTOYA	9561	- 6495	10126	- 7060	565	565	LS	
SIMPSON	10126	- 7060	11664	- 8598	----	1538	LS, SH, SD	
ELLENBURGER	11664	- 8598	11978	- 8912	314+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 15C14                      ELEVATION : 3154                      TOTAL DEPTH : 9928  
 OPERATOR : STD. OF TEXAS                      WELL : NO.1-2 BALMORHEA  
 LOCATION : 1980 FSL, 1980 FWL                      SEC: 122                      TNSP : 0013                      RNG :                      SUR : H\*GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1510	1644	1590	1564	0	80	SH	EST
RUSTLER-SALADO	1648	1506	4180	- 1026	----	2532	ANHY, SH, DOL	
DELAWARE MTN. GROUP	4180	- 1026	6010	- 2856	----	1830	SD, SH, LS	
LEONARD	6010	- 2856	6460	- 3306	----	450	SH, LS	
WOLFCAMP	6460	- 3306	6640	- 3486	60	180	LS, OTR	EST
PENNSYLVANIAN	6640	- 3486	6640	- 3486	----	0		UNC
MISSISSIPPIAN	6640	- 3486	7200	- 4046	40	560	SH, LS	
BARNETT	6640	- 3486	7100	- 3946	----	460	SH	
MISS. LS	7100	- 3946	7200	- 4046	----	100	LS	
WOODFORD	7200	- 4046	7511	- 4357	----	311	SH	
DEVONIAN	7511	- 4357	7572	- 4418	61	61	LS, CHT	
SILURIAN SHALE	7572	- 4418	7780	- 4626	----	208	SH	
FUSSELMAN	7780	- 4626	7950	- 4796	170	170	LS	
MUNTOYA	7950	- 4796	8430	- 5276	480	480	LS	
SIMPSON	8430	- 5276	9704	- 6550	----	1274	LS, SH	
ELLENBURGER	9704	- 6550	9928	- 6774	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WD - REEVES                      WELL ID NO. : 15C51                      ELEVATION : 3330                      TOTAL DEPTH : 12926

OPERATOR : MIAMI OPERATING CO.                      WELL : NO.1 BALMORHEA RANCHES

LOCATION :    SEC :                      TNSP :                      RNG :                      SUR :

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP	
		DEPTH	SUB-SEA	DEPTH	SUB-SEA					
WOODFORD	10280	-	6950	10620	-	7290	----	340	SH	
DEVONIAN	10620	-	7290	10725	-	7395	105	105	LS, CMT	
SILURIAN	10725	-	7395	10905	-	7575	180	180	LS	
MONTOYA	10905	-	7575	11425	-	8095	520	520	LS	
SIMPSON	11425	-	8095	12830	-	9500	----	1405	LS, SD, SM	
ELLENBURGER	12830	-	9500	12926	-	9596	96		UOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : WZ - SCURRY                      WELL ID NO. : 9CS                      ELEVATION : 2419                      TOTAL DEPTH : 8050  
 OPERATOR : TEXACO, INC.                      WELL : NO. 281 NCT-1 FULLER  
 LOCATION : 550 FSL+2105 FEL                      SEC: 551                      TNSP : 97                      RNG :                      SUR : H+TC RR SUR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	0	2419	250	2169	----	250	SH, SD	
GUADALUPE-UNDIFF.	250	2169	1550	869	----	1300	SH, LS	EST
SAN ANDRES	1550	869	2545	- 126	----	995	SH, DOL, ANH	
CLEARFORK	2545	- 126	3310	- 891	----	765	SH, DOL, ANH	
WICHITA ALBANY	3310	- 891	3775	- 1356	----	465	LS, DOL, ANH	
WOLFCAMP	3775	- 1356	4805	- 2386	180	1030	LS, SH, SD	
CISCO	4805	- 2386	5780	- 3361	120	975	LS, SH, SD	
CANYON	5780	- 3361	6440	- 4021	80	660	SH, SD, LS	
STRAWN	6440	- 4021	7640	- 5221	990	1200	REEF, SH	
BEND-MARBLE FALLS	7640	- 5221	7755	- 5336	40	115	LS, SH	
MISS.-CHAPPEL	7755	- 5336	7940	- 5521	90	185	LS, SH	
ELLENBURGER	7940	- 5521	8050	- 5631	110*		DOL	TO



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : W2 - SCURRY      WELL ID NO. : 9C6      ELEVATION : 2249      TOTAL DEPTH : 7134

OPERATOR : ROY FURR      WELL : NO.1-A JOHNSON

LOCATION : 467 FWL, 467 FSL NE QUARTESEC: 230      TNSP : 2      RNG :      SUR : H+TC RR SUR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CLEARFORK	2980	- 731	3490	- 1241	----	510	SH,DOL,ANH	EST
WICHITA ALBANY	3490	- 1241	4260	- 2011	----	770	SH,DOL,ANH	
WOLFCAMP	4260	- 2011	4890	- 2641	130	630	LS,SD,SH	
CISCO	4890	- 2641	5680	- 3431	120	790	SH,LS,SD	
CANYON	5680	- 3431	6930	- 4681	140	1250	SH,SD,LS	
STRAWN	6930	- 4681	7134	- 4885	40+		LS,SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : WZ - SCURRY      WELL ID NO. : 9C11      ELEVATION : 2361      TOTAL DEPTH : 7952  
 OPERATOR : PAN AMERICAN PET CORP      WELL : NO.1 WINSTON  
 LOCATION : 1918 FSL,684 FEL      SEC: 9      TNSP : 1      RNG :      SUR : J.P. SMITH SUR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	0	2361	450	1911	----	450	SH,SD	
GUADALUPE-UNDIFF.	450	1911	1570	791	----	1120	SH,LS	EST
SAN ANDRES	1570	791	2425	- 64	----	855	SH,DOL,ANH	
CLEARFORK	2425	- 64	3220	- 859	----	795	SH,DOL,ANH	
WICHITA ALBANY	3220	- 859	3880	- 1519	----	660	SH,DOL,ANH	
WOLFCAMP	3880	- 1519	4690	- 2329	260	810	LS,SH,SD	
CISCO	4690	- 2329	5690	- 3329	160	1000	LS,SH,SD	
CANYON	5690	- 3329	6660	- 4299	90	970	SH,LS,SD	
STRAWN	6660	- 4299	7760	- 5399	800	1100	REEF,SH	
BEND-MARBLEFALLS	7760	- 5399	7795	- 5434	40	35	LS,SH	
MISS.-CHAPPEL	7795	- 5434	7875	- 5514	60	80	LS,SH	
ELLENBURGER	7875	- 5514	7952	- 5591	77+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : WZ - SCURRY WELL ID NO. : 9C12 ELEVATION : 2295 TOTAL DEPTH : 8040

OPERATOR : BURDELL OIL COMPANY WELL : NO.1 WALTER BROWN

LOCATION : SEC: 65 TNSP : 3 RNG : SUR : H+GN RR SUR

FORMATION	DEPTH	DEPTH TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	0	2295	420	1875	----	420	SD,SH
GUADALUPE-UNDIFF.	420	1875	1610	685	----	1190	SH,LS,ANH EST
SAN ANDRES	1610	685	2340	- 45	----	730	SH,DOL,ANH EST
CLEARFORK	2340	- 45	3160	- 865	----	820	SH,DOL,ANH EST
WICHITA ALBANY	3160	- 865	3760	- 1465	----	600	SH,DOL,ANH
WOLFCAMP	3760	- 1465	4570	- 2275	180	810	SH,LS,SD
CISCO	4570	- 2275	5710	- 3415	80	1140	SH,SD,LS
CANYON	5710	- 3415	6920	- 4625	100	1210	SH,SD,LS
STRAWN	6920	- 4625	7520	- 5225	120	600	SH,LS,SD
BEND-MARBLEFALLS	7520	- 5225	7590	- 5295	40	70	LS,SH,SD
MISS.-CHAPPEL	7590	- 5295	7710	- 5415	50	120	LS,SH
ELLENBURGER	7710	- 5415	8040	- 5745	130+		DOL TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : WZ - SCURRY      WELL ID NO. : 9C13      ELEVATION : 2389      TOTAL DEPTH : 7877  
 OPERATOR : AMERICAN REPUBLIC      WELL : NO.1 SIVALLS  
 LOCATION : 1980 FNL.1980 FEL      SEC: 34      TNSP : 3      RNG :      SUR : H+GN SUR.

FORMATION	DEPTH	DEPTH <sup>TOP</sup> SUB-SEA	DEPTH <sup>BASE</sup> SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	0	2389	440	1949	----	SH,SD	
GUADALUPE-UNDIFF	440	1949	1540	849	----	SH,SD,LS	EST
SAN ANDRES	1540	849	2250	139	----	SH,DOL,SD	
CLEARFORK	2250	139	3165	- 776	----	SH,DOL,ANH	
WICHITA ALBANY	3165	- 776	3855	- 1466	----	SH,ANH,DOL	
WOLFCAMP	3855	- 1466	4700	- 2311	190	SH,SD,LS	
CISCO	4700	- 2311	5670	- 3281	150	SH,LS,SD	
CANYON	5670	- 3281	6860	- 4471	90	SH,LS,SD	
STRAWN	6860	- 4471	7430	- 5041	100	SH,SD,LS	
BEND-ATOKA	7430	- 5041	7510	- 5121	10	SH,LS	
MISS.-CHAPPEL	7510	- 5121	7700	- 5311	60	LS,SH,CHT	
ELLENBURGER	7700	- 5311	7877	- 5488	177+	DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUL 1971

COUNTY : WZ - SCURRY                      WELL ID NO. : 9C51                      ELEVATION : 2288                      TOTAL DEPTH : 7563  
 OPERATOR : HUMBLE OIL + REF. CO.                      WELL : NO.1 HARRELL  
 LOCATION : 660 FNL 660 FEL                      SEC: 78                      TNSP : 2                      RNG :                      SUR : H+TC RR SUR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE-UNDIFF.	10	2278	1010	1278	----	1000	SH,LS	EST
SAN ANDRES	1010	1278	1950	338	----	940	SH,DOL,ANH	
CLEARFORK	1950	338	3040	- 752	----	1090	SH,DOL,ANH	
WICHITA ALBANY	3040	- 752	3900	- 1612	----	860	SH,DOL,ANH	
WOLFCAMP	3900	- 1612	4900	- 2612	280	1000	LS,SD,SH	
CISCO	4900	- 2612	6100	- 3812	140	1200	SH,LS,SD	
CANYON	6100	- 3812	6740	- 4452	40	640	SH,SD,LS	
STRAWN	6740	- 4452	7220	- 4932	160	480	LS,SH,SD	
BEND-MARBLEFALLS	7220	- 4932	7285	- 4997	10	65	LS,SH	
MISS.-CHAPPEL	7285	- 4997	7425	- 5137	50	140	LS,SH	
ELLENBURGER	7425	- 5137	7563	- 5275	88+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : W2 - SCURRY      WELL ID NO. : 10C16      ELEVATION : 2625      TOTAL DEPTH : 6200  
 OPERATOR : SUNRAY OIL CO.      WELL : NO.1 SHANNON MEM. HOSPITAL  
 LOCATION : 1980 FSL, 1650 FEL      SEC: 431      TNSP : 0097      RNG :      SUR : H+IC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	90	2535	658	1967	32	968	SH, SD	EST
SANTA ROSA	400	2225	579	2046	22	179	SD, SH	
RUSTLER	855	1770	1138	1487	----	283	ANHY	
YATES	1138	1487	1243	1382	----	105	SD, SH	
WHITEHORSE GROUP	1138	1487	1920	705	----	782	SD, LS, SH	
SAN ANDRES	1920	705	2690	- 65	----	770	LS, SD	
LEONARD (S. ANG. EQV)	2690	- 65	2876	- 251	----	186	SD, LS	
CLEAR FORK	2876	- 251	4060	- 1435	----	1184	DOL	
WICHITA	4060	- 1435	5393	- 2768	----	1333	DOL	
WOLFCAMP	5393	- 2768	6200	- 3575	----		SH, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : W2 - SCURRY      WELL ID NO. : 10C17      ELEVATION : 2507      TOTAL DEPTH : 5458  
 OPERATOR : INTEX AND SUN OIL CO.      WELL : NO.7 NICHOLS  
 LOCATION : 330 FWL, 990 FSL      SEC: 301      TNSP : 0097      RNG :      SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	76	2431	546	1961	5	470	SH, SD	EST
SANTA ROSA	242	2265	448	2059	20	206	SD, SH	
RUSTLER	740	1767	1372	1135	----	632	ANHY	
YATES	1372	1135	1513	994	----	141	SD, SH	
WHITEHORSE GROUP	1372	1135	1793	714	----	421	SD, LS, SH	
SAN ANDRES	1793	714	2518	- 11	----	725	LS, SD	
LEONARD (S, ANG, EQV)	2518	- 11	2698	- 191	----	180	SD, LS	
CLEAR FORK	2698	- 191	3724	- 1217	----	1026	DOL	
WICHITA	3724	- 1217	5112	- 2605	----	1388	DOL	
WOLFCAMP	5112	- 2605	5458	- 2951	----		SH, LS	EST TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : WZ - SCURRY      WELL ID NO. : 10C18      ELEVATION : 2422      TOTAL DEPTH : 3880  
 OPERATOR : CITIES SERVICE OIL CO      WELL : NO. 1-2 JOHNSON  
 LOCATION : 1980 FNL, 750 FEL      SEC: 200      TNSP : 0097      RNG :      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	107	2315	618	1804	77	511	SH, SD	EST
SANTA ROSA	392	2030	540	1882	47	148	SD, SH	
RUSTLER	857	1565	1270	1152	----	413	ANHY	
YATES	1270	1152	1407	1015	----	137	SD, SH	
WHITEHORSE GROUP	1270	1152	1684	738	----	414	SD, SH, LS	
SAN ANDRES	1684	738	2391	31	----	707	LS, SD	
LEONARD (S. ANG. EQV)	2391	31	2540	- 118	----	149	SD, SH	
CLEAR FORK	2540	- 118	3652	- 1230	----	1112	DOL	
WICHITA	3652	- 1230	3880	- 1458	----		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : W2 - SCURRY WELL ID NO. : 10C19 ELEVATION : 2294 TOTAL DEPTH : 7100

OPERATOR : JACK ELAM WELL : NO.1 TAYLOR

LOCATION : 2314 PNL, 2310 FEL SEC: 150 TNSP : 0097 RNG : SUR : H+IC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	80	2214	526	1768	65	446	SH, SD	EST
SANTA ROSA	320	1974	468	1826	50	148	SD, SH	
RUSTLER	684	1610	1112	1182	----	428	ANHY	
YATES	1112	1182	1251	1043	----	139	SD, SH, ANHY	
WHITEHORSE GROUP	1112	1182	1560	734	----	448	SD, SH, LS	
SAN ANDRES	1560	734	2314	- 20	----	754	LS, SH	
LEONARD (S. ANG. EQV)	2314	- 20	2486	- 192	----	172	SD, LS, SH	
CLEAR FORK	2486	- 192	3821	- 1527	----	1335	DOL	
WICHITA	3821	- 1527	4880	- 2586	----	1059	DOL	
WOLFCAMP	4880	- 2586	6930	- 4636	120	2050	SH, LS	
PENNSYLVANIAN	6930	- 4636	7100	- 4806	----		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORP LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : W2 - SCURRY      WELL ID NO. : 10C20      ELEVATION : 2285      TOTAL DEPTH : 7697  
 OPERATOR : LIVERMORE DRLG. CO.      WELL : NO.1 COLE  
 LOCATION : 660 FSL, 660 FEL      SEC: 108      TNSP : 0097      RNG :      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	107	2178	627	1658	72	520	SH, SD	EST
SANTA ROSA	410	1875	578	1707	55	168	SD, SH	
RUSTLER	627	1658	822	1463	----	195	ANHY, SH	EST
YATES	822	1463	940	1345	----	118	SD, SH	
WHITEHORSE GROUP	822	1463	1817	468	----	995	SD, SH, LS	
SAN ANDRES	1817	468	2612	- 328	----	796	LS, SD, DOL	
LEONARD (S. ANG. EQV)	2613	- 328	2805	- 520	----	192	SD, LS, SH	EST
CLEAR FORK	2805	- 520	4262	- 1977	----	1457	DOL	
WICHITA	4262	- 1977	5522	- 3237	----	1260	DOL	
WOLFCAMP	5522	- 3237	7343	- 5058	130	1821	SH, LS	
PENNSYLVANIAN	7343	- 5058	7697	- 5412	----		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : WZ - SCURRY WELL ID NO. : 10C55 ELEVATION : 2611 TOTAL DEPTH : 8404

OPERATOR : HUMBLE OIL + REF. CO. WELL : NO.B-1 MOORE

LOCATION : LOCATED FROM X-SECTION SEC: TNSP : RNG : SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	0	2611	490	2121	----	490	SH,SD	
GUADALUPE-UNDIFF.	490	2121	1905	706	----	1415	SH,ANH,SD	EST
SAN ANDRES	1905	706	2960	- 349	----	1055	SH,DOL,SD	
CLEARFORK	2960	- 349	3960	- 1349	----	1000	SH,DOL,ANH	
WICHITA ALBANY	3960	- 1349	4680	- 2069	----	720	SH,ANH,DOL	
WOLFCAMP	4680	- 2069	5890	- 3279	300	1210	LS,SH,SD	
CISCO	5890	- 3279	7050	- 4439	120	1160	SH,SD,LS	
CANYON	7050	- 4439	7500	- 4889	80	450	SH,SD,LS	
STRAWN	7500	- 4889	7980	- 5369	230	480	REEF,SH,SD	
BEND-ATOKA	7980	- 5369	8025	- 5414	0	45	SH,LS	
MISS.-CHAPPEL	8025	- 5414	8190	- 5579	40	165	LS,SH,CHT	
ELLENBURGER	8190	- 5579	8404	- 5793	214+		DOL,CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : XP - STERLING WELL ID NO. : 9D8 ELEVATION : 2286 TOTAL DEPTH : 7760

OPERATOR : TEX HARVEY EMPLOYEES WELL : NO.1 CHAPPELL

LOCATION : SEC: 43 TNSP : 18 RNG : SUR : SP RR SUR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE	50	2236	770	1516	----	720	SH,LS,ANH	EST
SAN ANDRES	770	1516	1875	411	----	1105	SH,DOL,ANH	
CLEARFORK	1875	411	3040	- 754	----	1165	SH,DOL,ANH	
WICHITA ALBANY	3040	- 754	3710	- 1424	----	670	SH,ANH,LS	
WOLFCAMP	3710	- 1424	4690	- 2404	325	980	SH,LS,SD	
CISCO	4690	- 2404	5630	- 3344	70	940	SH,SD,LS	
CANYON	5630	- 3344	6300	- 4014	30	670	SH,LS,SD	
STRAWN	6300	- 4014	7650	- 5364	100	1350	SH,LS,SD	
BEND	7650	- 5364	7670	- 5384	0	20	LS,SH	
MISS.	7670	- 5384	7700	- 5414	----	30	LS,SH	
ELLENBURGER	7700	- 5414	7760	- 5474	60+		DOL	TD

REMARKS  
 PROBABLE SAN ANDRES OUTCROP

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XP - STERLING      WELL ID NO. : 10D10      ELEVATION : 2418      TOTAL DEPTH : 8300  
 OPERATOR : PURNELL AND FORTUNE      WELL : NO.1 COLLINS  
 LOCATION : 467 FSL, 467 FEL      SEC: 74      TNSP : 0017      RNG :      SUR : S.P. RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	104	2314	700	1718	42	596	SH, SD	EST
SANTA ROSA	340	2078	515	1903	30	175	SD, SH	
RUSTLER	832	1586	945	1473	----	113	ANHY, SH	EST
YATES	945	1473	1037	1381	----	92	SD, SH	
WHITEHORSE GROUP	1037	1381	1780	638	----	743	SD, SH, LS	EST
SAN ANDRES	1780	638	2760	- 342	----	980	LS, SH, SD	
SAN ANGELO EQUIVALENT	2760	- 342	2845	- 427	----	85	SD, LS	
CLEAR FORK	2845	- 427	4500	- 2082	----	1655	DOL	
WICHITA	4500	- 2082	6180	- 3762	----	1680	DOL	
WOLFCAMP	6180	- 3762	8048	- 5630	140	1868	SH, SD, LS	
PENNSYLVANIAN	8042	- 5624	8136	- 5718	100	94	LS	
MISSISSIPPIAN	8136	- 5718	8154	- 5736	18	18	LS	
WOODFORD	8154	- 5736	8201	- 5783	----	47	SH	
ELLENBURGER	8201	- 5783	8300	- 5882	99+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XP - SIERLING      WELL ID NO. : 17A5      ELEVATION : 2516      TOTAL DEPTH : 8777  
 OPERATOR : SOUTHLAND ROYALTY CO.      WELL : NO.1 WILKINSON-MC ENTIRE  
 LOCATION : 1980 FSL, 660 FWL      SEC: 12      TNSP : 0023      RNG :      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	330	2186	890	1626	82	560	SH, SD	EST
SANTA ROSA	618	1898	794	1722	40	176	SD, SH	
RUSTLER	1020	1496	1152	1364	----	132	ANHY, SH	
YATES	1152	1364	1300	1216	----	148	SD, SH	
WHITEHORSE GROUP	1152	1364	2120	396	----	968	LS, SD, ANHY	
SAN ANDRES	2120	396	3105	- 589	----	985	LS, SD	
SAN ANGELO EQV	3105	- 589	3201	- 685	----	96	SD, LS	
CLEAR FORK EQV	3201	- 685	4182	- 1666	----	981	LS, DOL	
WICHITA EQV	4182	- 1666	5920	- 3404	----	1738	SH, DOL	
WOLFCAMP	5920	- 3404	8460	- 5944	350	2540	SH, LS, SD	
PENNSYLVANIAN	8460	- 5944	8618	- 6102	70	158	LS, SH	
MISSISSIPPIAN	8618	- 6102	8658	- 6142	25	40	LS	
WOODFORD	8658	- 6142	8700	- 6184	----	42	SH	
SILURO-DEV. (FUS. EQV)	8700	- 6184	8730	- 6214	30	30	LS	
SYLVAN SHALE	8730	- 6214	8742	- 6226	----	12	SH	
MONTOYA-SIMPSON	8742	- 6226	8742	- 6226	----	0		UNC
ELLENBURGER	8742	- 6226	8777	- 6261	35+		DOL, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XP - STERLING      WELL ID NO. : 17A6      ELEVATION : 2664      TOTAL DEPTH : 2359  
 OPERATOR : H.M.H. OPERATORS      WELL : NO.1 MC ENTIRE  
 LOCATION : 1650 FSL, 467 FEL      SEC: 6      TNSP : 0007      RNG :      SUR : T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	370	2294	760	1904	62	390	SH, SD	EST
SANTA ROSA	472	2192	621	2043	52	149	SD, SH	
RUSTLER	857	1807	960	1704	----	103	ANHY, SH	
YATES	960	1704	1080	1584	----	120	SD, SH	
WHITEHORSE GROUP	960	1704	1882	782	----	922	SD, LS, ANHY	
SAN ANDRES	1882	782	2359	305	----		LS, SD	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : XP - STERLING      WELL ID NO. : 17A7      ELEVATION : 2452      TOTAL DEPTH : 8792  
 OPERATOR : CHAMPLIN OIL CO.      WELL : NO.2 CONGER  
 LOCATION : 660 FNL, 660 FWL      SEC: 7      TNSP : 0021      RNG :      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	400	2052	625	1827	42	225	SH, SD	EST
SANTA ROSA	400	2052	493	1959	27	93	SD, SH	ERD
RUSTLER	705	1747	1028	1424	----	323	ANHY, SH	
YATES	1028	1424	1130	1322	----	102	SD, SH	
WHITEHORSE GROUP	1028	1424	1870	582	----	842	LS, SH, ANHY	
SAN ANDRES	1870	582	2626	- 174	----	756	LS, SD	
SAN ANGELO	2626	- 174	2750	- 298	----	124	SD, DOL, LS	
CLEAR FORK	2750	- 298	3780	- 1328	----	1030	LS, DOL, SH	
WICHITA	3780	- 1328	5840	- 3388	----	2060	DOL, SH	EST
WOLFCAMP	5840	- 3388	8400	- 5948	380	2560	SH, LS, SD	
PENNSYLVANIAN	8400	- 5948	8525	- 6073	80	125	LS, SH	
MISSISSIPPIAN	8525	- 6073	8579	- 6127	40	54	LS	EST
WOODFORD	8579	- 6127	8637	- 6185	----	58	SH	
SILURO-DEV. (EUS. EQV)	8637	- 6185	8681	- 6229	44	44	LS	
SYLVAN SHALE	8681	- 5929	8707	- 6255	----	326	SH	
ELLENBURGER	8707	- 6255	8792	- 6340	85+		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT,

JUN 1971

COUNTY : XP - STERLING      WELL ID NO. : 17A8      ELEVATION : 2594      TOTAL DEPTH : 8851  
 OPERATOR : SHELL OIL CO.      WELL : NO.1 HILDEBRAND  
 LOCATION : 660 FNL, 660 FEL      SEC: 4      TNSP : 0007      RNG :      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	690	1904	755	1839	0	65	SH	EST
RUSTLER	920	1674	1080	1514	----	160	ANHY, SH	
YATES	1080	1514	1182	1412	----	102	SD, SH	
WHITEHORSE GROUP	1080	1514	1895	699	----	815	SH, LS, SD	
SAN ANDRES	1895	699	2808	- 214	----	913	LS, SD	
SAN ANGELO EQV	2808	- 214	2910	- 316	----	102	SD, LS	
LEONARD (CF - WICH)	2910	- 316	5530	- 2936	----	2620	SH, DOL, LS	
WOLFCAMP	5530	- 2936	8508	- 5914	----	2978	SH, SD	
PENNSYLVANIAN	8508	- 5914	8610	- 6016	----	102	LS, SH	
MISSISSIPPIAN	8610	- 6016	8610	- 6016	----	0		UNC
WOODFORD	8610	- 6016	8667	- 6073	----	57	SH	
FUSSELMAN	8667	- 6073	8710	- 6116	43	43	LS	
SYLVAN SHALE	8710	- 6116	8753	- 6159	----	43	SH	
ELLENBURGER	8753	- 6159	8851	- 6257	98+		DOL, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XP - STERLING      WELL ID NO. : 17A9      ELEVATION : 2561      TOTAL DEPTH : 8570  
 OPERATOR : J.C. WILLIAMSON ET AL      WELL : NO.1 ATKINSON  
 LOCATION : 1980 FSL, 1980 FEL      SEC: 39      TNSP : 0007      RNG :      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
YATES	933	1628	1046	1515	-----	113	SD, SH	ABV
WHITEHORSE GROUP	933	1628	1810	751	-----	877	SH, SD, LS	
SAN ANDRES	1810	751	2695	- 134	-----	885	LS, SD, SH	
SAN ANGELO	2695	- 134	2795	- 234	-----	100	SD, LS	
LEONARD	2795	- 234	5355	- 2794	-----	2560	SH, LS, DOL	
WOLFCAMP	5355	- 2794	8354	- 5793	120	2999	SH, SD, LS	
PENNSYLVANIAN	8354	- 5793	8460	- 5899	70	106	LS, SH	
WOODFORD	8460	- 5899	8460	- 5899	-----	0		EST UNC
SYLVAN SHALE	8460	- 5899	8500	- 5939	-----	40	SH	
ELLENBURGER	8500	- 5939	8570	- 6009	70+		DOL	ERD TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : XP - STERLING      WELL ID NO. : 17A15      ELEVATION : 2614      TOTAL DEPTH : 7785  
 OPERATOR : RODEN OIL CO.      WELL : NO.1 REED  
 LOCATION : 660 FWL, 660 FWL      SEC: 2      TNSP : 0031      RNG :      SUR : TWP 4-S T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	353	2261	1120	1494	82	767	SH, SD	EST
SANTA ROSA	821	1793	945	1669	52	124	SD, SH	
RUSTLER	1265	1349	1339	1275	----	74	ANHY, SH	
YATES	1339	1275	1480	1134	----	141	SD, SH	
WHITEHORSE GROUP	1339	1275	2284	330	----	945	LS, SH, ANHY	
SAN ANDRES	2284	330	3480	- 866	----	1196	LS, SD	
SAN ANGELO	3480	- 866	3580	- 966	----	100	SD, LS, DOL	
CLEAR FORK	3580	- 966	4655	- 2041	----	1075	DOL, LS	
WICHITA	4655	- 2041	6365	- 3751	----	1710	DOL, SH	
WOLFCAMP	6365	- 3751	7785	- 5171	----	1420	SH, LS, SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XP - STERLING      WELL ID NO. : 17A16      ELEVATION : 2564      TOTAL DEPTH : 7535  
 OPERATOR : RAY ALBAUGH      WELL : NO.1 REED  
 LOCATION : 467 FNL, 467 FEL      SEC: 4      TNSP : 0030      RNG :      SUR : W+NW RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	367	2197	1088	1476	100	721	SH, SD	EST
SANTA ROSA	680	1884	870	1694	55	190	SD, SH	
RUSTLER	1184	1380	1300	1264	----	116	ANHY, SH	
YATES	1300	1264	1441	1123	----	141	SD, SH	
WHITEHORSE GROUP	1300	1264	2360	204	----	1060	LS, ANHY, SD	
SAN ANDRES	2360	204	3340	- 776	----	980	LS, SD	
SAN ANGELO EQV	3340	- 776	3442	- 878	----	102	SD, LS	
CLEAR FORK	3442	- 878	4500	- 1936	----	1058	DOL, LS	
WICHITA EQV	4500	- 1936	6355	- 3791	----	1855	LS, DOL, SH	EST
WOLFCAMP	6355	- 3791	7535	- 4971	----		SH, LS, SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : XP - STERLING      WELL ID NO. : 18A1      ELEVATION : 2627      TOTAL DEPTH : 8230  
 OPERATOR : HUNT OIL CO.      WELL : NO.1 COPELAND  
 LOCATION : 660 FNL#660 FWL      SEC: 253      TNSP : 2      RNG :      SUR : H+TC RR SUR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE-UNDIFF	300	2327	920	1707	----	620	SH,SD,LS	EST
SAN ANDRES	920	1707	1845	782	----	925	SH,DOL,ANH	
CLEARFORK	1845	782	2580	47	----	735	SH,DOL,ANH	
WICHITA ALBANY	2580	47	3550	- 923	----	970	SH,LS,ANH	
WOLFCAMP	3550	- 923	4610	- 1983	550	1060	REEF,SH,SD	
CISCO	4610	- 1983	6355	- 3728	150	1745	SH,SD,LS	
CANYON	6355	- 3728	7520	- 4893	120	1165	SH,SD,LS	
STRAWN	7520	- 4893	8100	- 5473	60	580	LS,SH,SD	
BEND	8100	- 5473	8145	- 5518	0	45	LS,SH,CHT	
7ISS.	8145	- 5518	8145	- 5518	----	0		UNC
ELLENBURGER	8145	- 5518	8230	- 5603	85*		DOL,CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUL 1971

COUNTY : XP - STERLING      WELL ID NO. : 18A3      ELEVATION : 2274      TOTAL DEPTH : 7950  
 OPERATOR : TEXACO, INC.      WELL : NO. B-1 FOSTER  
 LOCATION : 660 FNL, 1980 FWL      SEC: 34      TNSP : 12      RNG :      SUR : SP RR SUR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE-UNDIFF	345	1929	525	1749	----	180	SH,LS,SD	EST
SAN ANDRES	525	1749	2055	219	----	1530	SH,DOL,ANH	
CLEARFORK	2055	219	2760	- 486	----	705	SH,DOL,ANH	
WICHITA ALBANY	2760	- 486	3200	- 926	----	440	SH,LS,ANH	
WOLFCAMP	3200	- 926	4470	- 2196	310	1270	REEF,SH,SD	
CISCO	4470	- 2196	6030	- 3756	100	1560	SH,LS,SD	
CANYON	6030	- 3756	7160	- 4886	80	1130	SH,LS,SD	
STRAWN	7160	- 4886	7885	- 5611	120	725	SH,LS,SD	
BEND	7885	- 5611	7905	- 5631	10	20	LS,SH,CHT	
MISS.	7905	- 5631	7920	- 5646	----	15	CHT	
ELLENBURGER	7920	- 5646	7950	- 5676	30+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 16C51      ELEVATION : 2624      TOTAL DEPTH : 12488  
 OPERATOR : HUNT INDUSTRIES      WELL : NO.1-5 BLACKSTONE-SLAUGHTER  
 LOCATION : 4505 FSL, 4250 FEL      SEC: 5      TNSP : 0162      RNG :      SUR : B.F. ALLEN

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	572	2052	784	1840	62	212	SH, SD	EST
SANTA ROSA	701	1923	784	1840	22	83	SD, SH	
RUSTLER-SALADO	832	1792	1300	1324	----	468	ANHY,SD,DOL	
YATES	1300	1324	1430	1194	----	130	SD, SH	
GUADALUPE	1300	1324	3503	- 879	----	2203	LS, SD, SH	
LEONARD	3503	- 879	5905	- 3281	----	2402	LS, SH	
WOLFCAMP	5905	- 3281	9360	- 6736	0	3455	SH	
PENNSYLVANIAN	9360	- 6736	9975	- 7351	560	615	LS	
MISS.-UPPER DEVONIAN	9975	- 7351	9975	- 7351	----	0		UNC
DEVONIAN	9975	- 7351	10350	- 7726	375	375	LS, CHRT	ERD
FUSSELMAN	10350	- 7726	10449	- 7825	99	99	LS	
MONTOYA	10449	- 7825	10488	- 7864	39	39	LS	
SIMPSON	10488	- 7864	11838	- 9214	650*	1350	SD, SH, LS	
ELLENBURGER	11838	- 9214	12488	- 9864	----		DOL	TD

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 16CSB      ELEVATION : 2956      TOTAL DEPTH : 17044  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO.1 CORDER  
 LOCATION :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
YATES	900	2056	1006	1950	----	106	SD, SH	ABV
GUADALUPE	900	2056	2890	66	----	1990	LS, SH, SU	
LEONARD	2890	66	5280	- 2324	----	2390	DOL, SH	
WOLFCAMP	5280	- 2324	13058	-10102	280	7778	SH, LS, OTR	
PENNSYLVANIAN	13058	-10102	13460	-10504	280	402	LS	
MISSISSIPPIAN-BARNETT	13460	-10504	13780	-10824	0	320	SH	
WOODFORD	13780	-10824	14260	-11304	----	480	SH	
DEVONIAN	14260	-11304	14657	-11701	397	397	LS	
FUSSELMAN	14657	-11701	14770	-11814	113	113	LS	
MONTOYA	14770	-11814	14866	-11910	96	96	DOL, LS	
SIMPSON	14866	-11910	16675	-13719	----	1809	SH, SD, LS	
ELLENBURGER	16675	-13719	17044	-14088	369+		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 16C59      ELEVATION : 2468      TOTAL DEPTH : 14024  
 OPERATOR : OHIO OIL CO.      WELL : NO.1-TA OHIO-PURE UNIV.  
 LOCATION : 666 FNL, 1650 FEL      SEC: 14      TNSP : 0037      RNG :      SUR : UNIVERSITY LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
LEONARD	2360	108	4545	- 2077	----	2185	SH, LS	ABV
WOLFCAMP	4545	- 2077	10580	- 8112	0	6035	SH	
PENNSYLVANIAN	10580	- 8112	11030	- 8562	280	450	LS	
MISSISSIPPIAN	11030	- 8562	11030	- 8562	0	0		UNC
WOODFORD	11030	- 8562	11213	- 8745	----	183	SH	
DEVONIAN	11213	- 8745	11713	- 9245	500	500	LS, CHRT	
FUSSELMAN	11713	- 9245	11800	- 9332	87	87	LS	
MONTOYA	11800	- 9332	11850	- 9382	50	50	LS, DOL	
SIMPSON	11850	- 9382	13340	-10872	----	1490	SH, SD, LS	
ELLENBURGER	13340	-10872	14024	-11556	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO- : 1604      ELEVATION : 2589      TOTAL DEPTH : 17410  
 OPERATOR : PAN AMERICAN PETH.      WELL : NO.1 MITCHELL  
 LOCATION : 1032 FNL, 1219 FWL      SEC: 7      TNSP : 0001      RNG :      SUR : CCSD+RGNG RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DEVONIAN-MONTOYA	15338	-12749	15629	-13040	291	291		RPT
SIMPSON	15629	-13040	17410	-14821	----		LS,SH REPT	TD
ELLENBURGER (EST)	17441	-14852	17442	-14853	----	1		RPT

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 16D10      ELEVATION : 2611      TOTAL DEPTH : 24637

OPERATOR : FOREST OIL CORP.      WELL : NO

LOCATION : 2280 FSL, 1980 FWL      SEC: 66      TNSP : 0001      RNG :      SUR : CCSD+RGNG RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
DEVONIAN-MONTOYA	20994	-18383	21446	-18835	452	452		RPT
SIMPSON	21446	-18835	23350	-20739	1287	1904		RPT
ELLENBURGER	23350	-20739	24637	-22026	----		DOL	REPT TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORP LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 16D11      ELEVATION : 2756      TOTAL DEPTH : 18600  
 OPERATOR : RODEN OIL CO.      WELL : NO.1-59 MITCHELL  
 LOCATION : 1980 FNL, 1980 FWL      SEC: 59      TNSP : 0001      RRG :      SUR : CCSD-R6NR

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUR-SEA				
DEVONIAN	15762	-13006	16000	-13244	238	238		RPT
FUSSELMAN	16000	-13244	16025	-13269	25	25		RPT
MONTOYA	16025	-13269	16110	-13354	85	85		RPT
SIMPSON	16110	-13354	17900	-15144	----	1790		RPT
ELLENBURGER	17900	-15144	18600	-15844	700		DOL REPT TD	

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 17C5      ELEVATION : 2687      TOTAL DEPTH : 11667  
 OPERATOR : FRED TURNER, JR.      WELL : NO.1 NOELKE  
 LOCATION : 660 FSL+ 654 FEL      SEC: 50      TNSP : 08-2      RNG :      SUR : CCSD+RGNG RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1036	1651	1070	1617	0	34	SH	EST
RUSTLER	1140	1547	1330	1357	----	190	ANHY	
YATES	1330	1357	1420	1267	----	90	SD, SH	
WHITEHORSE GROUP	1330	1357	2310	377	----	980	LS, SD, ANHY	
SAN ANDRES	2310	377	3970	- 1283	----	1660	LS, SD	
LEONARD	3970	- 1283	5290	- 2603	----	1320	SH, LS, SD	
WOLFCAMP	5290	- 2603	9060	- 6373	70	3770	SH, SD	
PENNSYLVANIAN	9060	- 6373	9320	- 6633	210	260	LS	
MISSISSIPPIAN-BARNETT	9320	- 6633	9390	- 6703	0	70	SH	
WOODFORD	9390	- 6703	9570	- 6883	----	180	SH	
DEVONIAN	9570	- 6883	10196	- 7509	626	626	LS	
SILURIAN SHALE	10196	- 7509	10217	- 7530	----	21	SH	
FUSSELMAN	10217	- 7530	10340	- 7653	123	123	LS	
MONTOYA	10340	- 7653	10340	- 7653	0	0		UNC
SIMPSON	10340	- 7653	11285	- 8598	----	945	LS, SH	
ELLENBURGER	11285	- 8598	11667	- 8980	382+		00L	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 17C9      ELEVATION : 2626      TOTAL DEPTH : 11691  
 OPERATOR : GULF OIL CORP      WELL : NO.1 ALLISON  
 LOCATION : 600 FSL, 1440 FEL      SEC: 17      TNSP : 08-2      RNG :      SUR : CCSD+RNG

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	2158	471	3790	- 1164	----	1635	LS, SD	ABV
LEONARD	3790	- 1164	5550	- 2924	----	1760	SH, LS	
WOLFCAMP	5550	- 2924	8860	- 6234	40	3310	SH	
PENNSYLVANIAN	8860	- 6234	9045	- 6419	70	185	SH, LS	
MISSISSIPPIAN	9045	- 6419	9285	- 6659	120	240	SH, LS	
WOODFORD	9285	- 6659	9405	- 6779	----	120	SH	
DEVONIAN	9405	- 6779	9985	- 7359	580	580	LS	
SILURIAN	9985	- 7359	10050	- 7424	----	65	LS, SH	
MONTOYA	10050	- 7424	10050	- 7424	0	0		UNC
SIMPSON	10050	- 7424	10970	- 8344	----	920	SH, LS	
ELLENBURGER	10970	- 8344	11691	- 9065	721+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 17C11      ELEVATION : 2251      TOTAL DEPTH : 11324  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO.1 ALLISON  
 LOCATION : 1980 FSL, 1980 FEL      SEC: 8      TNSP : 0A-4      RNG :      SUR : MRS. A. PRIDE

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC - YATES	630	1621	630	1621	----	0	ERD	UNC
WHITEHORSE GROUP	630	1621	1320	931	----	690	LS, SH, SD	ERD
SAN ANDRES	1320	931	3200	- 949	----	1880	LS, SD	
LEONARD	3200	- 949	4950	- 2699	----	1750	SH, LS	
WOLFCAMP	4950	- 2699	9380	- 7129	70	4430	SH	
PENNSYLVANIAN	9380	- 7129	9535	- 7284	90	155	SH, LS	
MISSISSIPPIAN-BARNETT	9535	- 7284	9585	- 7334	0	50	SH	
WOODFORD	9585	- 7334	9690	- 7439	----	105	SH	
DEVONIAN	9690	- 7439	10190	- 7939	500	500	LS	
SILURIAN	10190	- 7939	10270	- 8019	----	80	SH, LS	
MONTOYA	10270	- 8019	10270	- 8019	----	0		UNC
SIMPSON	10270	- 8019	11122	- 8871	----	852		ERD
ELLENBURGER	11122	- 8871	11324	- 9073	202+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 17C26      ELEVATION : 2601      TOTAL DEPTH : 15079  
 OPERATOR : FOREST OIL CORP.      WELL : NO.1 SKELLY-UNIVERSITY  
 LOCATION : 2180 FNL, 1980 FEL      SFC: 1      TNSP : 0035      RNG :      SUR : UNIV. LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	615	1986	1685	916	----	1070	LS, SD, ERD	EST
LEONARD	1685	916	4150	- 1549	----	2465	LS, SH, SD	
WOLFCAMP	4150	- 1549	11833	- 9232	210	7683	SH, SD	
PENNSYLVANIAN	11833	- 9232	12740	-10139	190	907	LS, SH	
MISSISSIPPIAN-BARNETT	12740	-10139	12882	-10281	0	142	SH, LS	
WOODFORD	12882	-10281	13170	-10569	----	288	SH	
DEVONIAN	13170	-10569	13845	-11244	675	675	LS, CHT	
SILURIAN	13845	-11244	13909	-11308	----	64	LS, SH	
MONTOKA	13909	-11308	13909	-11308	----	0		UNC
SIMPSON	13909	-11308	15020	-12419	----	1111	SH, LS, SD	
ELLENBURGER	15020	-12419	15079	-12478	59*		DOL	TD

REMARKS  
 CRETACEOUS APPEARS TO OVERLIE ERODED SAN ANDRES.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 17D1      ELEVATION : 2530      TOTAL DEPTH : 17796  
 OPERATOR : HUNT INDUSTRIES INC.      WELL : NO.1 34-17 UNIVERSITY  
 LOCATION : 2173 FSL, 2580 FWL      SEC: 17      TNSP : 0034      RNG :      SUR : UNIVERSITY

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
LEONARD	990	1540	4260	- 1730	----	3270	LS, SH ERD	EST
WOLF CAMP	4260	- 1730	12980	-10450	----	8720	SH, SD, DTR	
PENNSYLVANIAN	12980	-10450	13460	-10930	260	480	LS, SH	
MISSISSIPPIAN-BARNETT	13460	-10930	14081	-11551	50	621	SH	
WOODFORD	14081	-11551	14320	-11790	----	239	SH	
DEVONIAN	14320	-11790	14770	-12240	450	450	LS	
FUSSELMAN	14770	-12240	14940	-12410	170	170	LS	
MONTOYA	14940	-12410	14940	-12410	----	0		UNC
SIMPSON	14940	-12410	16020	-13490	----	1080	LS, SH	
ELLENBURGER	16020	-13490	17770	-15240	1790	1750	DOL	
PRE-CAMBRIAN	17770	-15240	17796	-15266	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XX - TERRELL      WELL ID NO. : 17D3      ELEVATION : 2448      TOTAL DEPTH : 15556  
 OPERATOR : MAGNOLIA      WELL : NO.1 BROWN-BASSETT  
 LOCATION : 1980 FNL, 1980 FWL      SEC: 218      TNSP : 0007      RNG :      SUR : TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
LEONARD	890	1558	335	- 907	----	2465	SH, LS, SU	ERD
WOLFCAMP	3355	- 907	11430	- 8982	----	8075	SH, SD, DTR	
PENNSYLVANIAN	11430	- 8982	11570	- 9122	----	140	LS, SH	
MISSISSIPPIAN-BARNETT	11570	- 9122	11694	- 9246	----	124	SH, LS	
WOODFORD	11694	- 9246	11920	- 9472	----	226	SH	
DEVONIAN	11920	- 9472	12370	- 9922	450	450	LS	
FUSSELMAN	12370	- 9922	12505	-10057	135	135	LS, SH	
MONTOYA	12505	-10057	12505	-10057	----	0		UNC
SIMPSON	12505	-10057	13785	-11337	----	1280	SH, LS, SD	
ELLENBURGER	13785	-11337	15045	-12597	1260	1260	DOL	
PRE-CAMBRIAN	15045	-12597	15556	-13108	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY WELL ID NO. : 11B10 ELEVATION : 3338 TOTAL DEPTH : 11569

OPERATOR : PENNZOIL WELL : NO.1 BURLESON

LOCATION : 660 FNL, 660 FEL SEC: 18 TNSP : 04-X RNG : SUR : EL+RR RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	398	2940	2069	1269	255	1671	SH, SD	EST
SANTA ROSA	1670	1668	1960	1378	75	290	SD, SH	
RUSTLER	2200	1138	2920	418	----	720	ANHY	
YATES	2920	418	3082	256	----	162	SD, SH	
WHITEHORSE GROUP	2920	418	4288	- 950	----	1368	LS, ANHY, SD	
SAN ANDRES	4288	- 950	6116	- 2778	----	1828	LS, DOL	
GLORIETA EQV.	6116	- 2778	6188	- 2850	----	72	DOL, SD	
CLEAR FORK	6188	- 2850	7540	- 4202	----	1352	DOL	
WICHITA EQV.	7540	- 4202	8845	- 5507	----	1305	SH, LS	EST
DEAN EQV.	8016	- 5278	8845	- 5507	----	229	SD, SH	EST
WOLFCAMP	8845	- 5507	10534	- 7196	75	1689	LS, SH, DTR	
PENNSYLVANIAN	10534	- 7196	10782	- 7444	110	248	LS, SH	EST
MISSISSIPPIAN	10782	- 7444	11366	- 8028	490	584	LS	
WOODFORD	11366	- 8028	11407	- 8069	----	41	SH	
SILURO-DEVONIAN	11407	- 8069	11569	- 8231	162+		LS	TD

REMARKS  
GOOD APPARENT POROSITY IN SILURO-DEVONIAN.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11B12                      ELEVATION : 3267                      TOTAL DEPTH : 11848  
 OPERATOR : SEABOARD OIL CO.                      WELL : NO.1 HINSON  
 LOCATION : 660 FNL, 660 FWL                      SEC: 91                      TNSP : 04-X                      RNG :                      SUR : EL+RR RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	320	2947	2078	1189	230	1758	SH, SD	EST
SANTA ROSA	1684	1583	1951	1316	70	267	SD, SH	
RUSTLER	2208	1059	2978	289	----	770	ANHY	
YATES	2978	289	3134	133	----	156	SD, SH	
WHITEHORSE GROUP	2978	289	4347	- 1080	----	1369	LS, ANHY, SD	
SAN ANDRES	4347	- 1080	6260	- 2993	----	1913	LS, DOL	
LEONARD (CF EQV)	6260	- 2993	6972	- 3705	----	712	DOL	
SPRABERRY	6972	- 3705	8090	- 4023	----	1118	SD, SH	
DEAN	8390	- 5123	8672	- 5405	----	282	SD	
WOLFCAMP	8672	- 5405	9398	- 6131	20	726	SH, LS	
PENNSYLVANIAN	9398	- 6131	11012	- 7745	1150	1614	LS, SH	
ATOKA	10740	- 7473	11012	- 7745	----	272	SH, SD	
MISSISSIPPIAN	11012	- 7745	11420	- 8153	270	408	LS	
WOODFORD	11420	- 8153	11450	- 8183	----	30	SH	
FUSSELMAN	11450	- 8183	11480	- 8213	30	30	LS	ERD
MONTOKA	11480	- 8213	11848	- 8581	368*		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11813                      ELEVATION : 3305                      TOTAL DEPTH : 12005  
 OPERATOR : JAKE L. HAMON                      WELL : NO.1 E.C. HOWARD  
 LOCATION : 660 FWL, 1980 FSL                      SEC: 75                      TNSP : 0001                      RNG :                      SUR : D+W

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	328	2977	2092	1213	165	1764	SH, SD	EST
SANTA ROSA	1829	1476	1938	1367	65	109	SD, SH	
RUSTLER	2338	967	3213	92	----	875	ANHY	
YATES	3213	92	3395	- 90	----	182	SD, SH	
WHITEHORSE GROUP	3213	92	4696	- 1391	----	1483	LS, ANHY, SD	
SAN ANDRES	4696	- 1391	6658	- 3353	----	1962	LS, SD, DOL	
LEONARD (CF EQV)	6658	- 3353	7610	- 4305	----	952	DOL	
SPRABERRY	7610	- 4305	8728	- 5423	----	1118	SD, SH	
DEAN	9005	- 5700	9303	- 5998	----	298	SD	
WOLFCAMP	9303	- 5998	10550	- 7245	110	1247	SH, LS, DTR	
PENNSYLVANIAN	10550	- 7245	10438	- 7133	680	112	LS, SH	
MISSISSIPPIAN	11438	- 8133	11922	- 8617	484	484	LS	
WOODFORD	11922	- 8617	11990	- 8685	----	68	SH	
SILURO-DEVONIAN	11990	- 8685	12005	- 8700	15+		LS      ERD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11814                      ELEVATION : 3179                      TOTAL DEPTH : 11880  
 OPERATOR : J.M. HUBER CORP.                      WELL : NO.1 CONTINENTAL - WILSON  
 LOCATION : 1980 FNL, 660 FEL                      SEC: 5                      TNSP : 000M                      RNG :                      SUR : TT RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	416	2763	2090	1089	280	1674	SH, SD	EST
SANTA ROSA	1839	1340	2000	1179	90	161	SD, SH	
RUSTLER	2265	914	3090	89	----	825	ANHY	
YATES	3090	89	3262	- 83	----	172	SD, SH	
WHITEHORSE GROUP	3090	89	4470	- 1291	----	1380	LS, ANHY, SD	
SAN ANDRES	4470	- 1291	6490	- 3311	----	2020	LS, SD, DOL	
LEONARD (CF EQV)	6490	- 3311	7450	- 4271	----	960	DOL	
SPRABERRY	7450	- 4271	8545	- 5366	----	1095	SD, SH	
DEAN	8805	- 5626	9040	- 5861	----	235	SD, SH	
WOLFCAMP	9040	- 5861	9740	- 6561	35	700	SH, DTR, LS	
PENNSYLVANIAN	9740	- 6561	11320	- 8141	1110	1580	LS, SH	
MISSISSIPPIAN	11320	- 8141	11790	- 8611	470	470	LS	
WOODFORD	11790	- 8611	11848	- 8669	----	58	SH	
SILURO-DEVONIAN	11848	- 8669	11880	- 8701	32+		LS	TD

REMARKS  
 THICK PENN. REEFAL LIMESTONE DEVELOPMENT 9700-10900, GOOD POTENTIAL  
 AQUIFER.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11815                      ELEVATION : 3201                      TOTAL DEPTH : 11720  
 OPERATOR : UNION OIL CO.                      WELL : NO.1-A-24 SARGENT  
 LOCATION : 810 FSL, 1980 FEL                      SEC: 24                      TNSP : C-37                      RNG :                      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	9300	- 6099	9485	- 6284	----	185	SH, LS	ABV
PENNSYLVANIAN (REEF)	9485	- 6284	11218	- 8017	1150	1733	LS	
MISSISSIPPIAN	11218	- 8017	11639	- 8438	421	421	LS	
WOODFORD	11639	- 8438	11710	- 8509	----	71	SH	
SILURO-DEVONIAN	11710	- 8509	11720	- 8519	10+		LS	ERD TD

REMARKS  
 PENN. IS IN THICK REEFAL FACIES. WELL NOT LOGGED ABOVE 9300 FT.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY WELL ID NO. : 11B19 ELEVATION : 3516 TOTAL DEPTH : 13800

OPERATOR : TEXACO INC. WELL : NO.1 LEVELAGE

LOCATION : 1980 FNL, 660 FNL SEC: 34 TNSP : 000K RNG : SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES	4909	- 1393	6440	- 2924	----	1531	LS, DOL	
GLORIETA EQV.	6440	- 2924	6550	- 3034	----	110	DOL, SO	
CLEAR FORK	6550	- 3034	8400	- 4884	----	1850	DOL	
WICHITA EQV.	8400	- 4884	9230	- 5714	----	830	DOL	EST
WOLFCAMP	9230	- 5714	10300	- 6784	420	1070	DTR, SH,	EST
PENNSYLVANIAN	10300	- 6784	11898	- 8382	360	1598	LS, SH	EST
MISSISSIPPIAN	11898	- 8382	12710	- 9194	812	812	LS	
WOODFORD	12710	- 9194	12809	- 9293	----	99	SH	
SILURO-DEVONIAN	12809	- 9293	13529	- 10013	720	720	LS	
MONTOYA (EST)	13529	- 10013	13800	- 10284	271+		LS EST	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11820                      ELEVATION : 3457                      TOTAL DEPTH : 5612  
 OPERATOR : I.W. LOVELADY                      WELL : NO.1 GRIMES  
 LOCATION : 1987 FSL, 660 FEL                      SEC: 92                      TNSP : D-11                      RNG :                      SUR : C+M

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	403	3054	2380	1077	270	1977	SH, SD	EST
SANTA ROSA	2045	1412	2294	1163	120	249	SD, SH	
RUSTLER	2584	873	3355	102	----	771	ANHY	
YATES	3355	102	3517	- 60	----	162	SD, SH	
WHITEHORSE GROUP	3355	102	4902	- 1445	----	1547	LS, ANHY, SD	
SAN ANDRES	4902	- 1445	5612	- 2155	----		LS, SD, DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11821                      ELEVATION : 3395                      TOTAL DEPTH : 11011  
 OPERATOR : BERT FIELD                      WELL : NO. 1 BECKHAM  
 LOCATION : 660 FNL, 660 FNL OF NE/4 SEC: 3                      TNSP : D-12                      RNG :                      SUR : EL+RR RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	360	3035	2260	1135	305	1900	SH, SD	EST
SANTA ROSA	1980	1415	2180	1215	100	200	SD, SH	
RUSTLER	2510	885	3318	77	----	808	ANHY	
YATES	3318	77	3490	- 95	----	172	SD, SH	
WHITEHORSE GROUP	3318	77	4860	- 1465	----	1542	LS, ANHY, SD	
SAN ANDRES	4860	- 1465	6254	- 2859	----	1394	LS, DOL	
GLORIETA EQV.	6254	- 2859	6359	- 2964	----	105	SD, DOL	
LEONARD (CF EQV)	6359	- 2964	7697	- 4302	----	1338	DOL, SH	EQV
SPRABERRY	7697	- 4302	8975	- 5580	----	1278	SD, SH	
DEAN	9375	- 5980	9642	- 6247	----	267	SD, SH	
WOLF CAMP	9642	- 6247	10980	- 7585	40	1338	SH, DTR, LS	
PENNSYLVANIAN (EST)	10980	- 7585	11011	- 7616	----		LS, SH	EST TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11850                      ELEVATION : 3457                      TOTAL DEPTH : 13245  
 OPERATOR : HAMON (COROCO)                      WELL : NO.1 ATLAS  
 LOCATION : 1980 FSL, 1980 FWL                      SEC: 93                      TNSP : D-11                      RNG :                      SUR : C+M RR

FORMATION	DEPTH	TOP	SUB-SEA	DEPTH	BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	4835	-	1378	6485	-	3028	----	1650	DOL, ANHY	
GLORIETA	6485	-	3028	6685	-	3228	----	200	DOL, SD	
LEONARD	7020	-	3563	9340	-	5883	----	2320	DOL, SH, SD	EST
WOLFCAMP	9340	-	5883	10805	-	7348	----	1465	LS, SH, SD	
PENNSYLVANIAN	10805	-	7348	11715	-	8258	300	910	LS, SH	
MISSISSIPPIAN	11715	-	8258	12690	-	9233	----	975	LS, CHT	
SILURO-DEVONIAN	12690	-	9233	13025	-	9568	----	335	LS, CHT	
MONTOYA	13025	-	9568	13225	-	9768	----	200	LS, DOL	
SIMPSON - ELLENBURGER	13225	-	9768	13225	-	9768	----	0		UNC
PRE-CAMBRIAN	13225	-	9768	13245	-	9788	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

AUG 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11851                      ELEVATION : 3297                      TOTAL DEPTH : 12700  
 OPERATOR : AND.-PRITCHARD                      WELL : NO.2 BEAVERS  
 LOCATION : 660 FNL. 1980 FEL                      SEC: 39                      TNSP : D.D.                      RNG :                      SUR : J.H. GIBSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	4705	- 1408	6340	- 3043	-----	1635	DOL, ANHY	
GLORIETA	6340	- 3043	6540	- 3243	-----	200	LS, DOL, SH	
LEONARD	6750	- 3453	9075	- 5778	-----	2325	SH, SD, LS	EST
WOLFCAMP	9075	- 5778	10150	- 6853	-----	1075	LS, SH	
PENNSYLVANIAN	10150	- 6853	11800	- 8503	1040	1650	LS, SH	
MISSISSIPPIAN	11800	- 8503	12665	- 9368	-----	865	LS	
SILURO-DEVONIAN	12665	- 9368	12700	- 9403	-----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11B52                      ELEVATION : 3361                      TOTAL DEPTH : 12855  
 OPERATOR : ANDERSON - PRITCHARD                      WELL : NO.1-F OIL DEVELOPMENT CO.  
 LOCATION : 1200 FNL, 330 FWL                      SEC: 10                      TNSP : 00                      RNG :                      SUR : J.H. GIBSON

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WHITEHORSE GROUP	3395	- 34	4940	- 1579	----	1545	ANHY,SD,LS	
SAN ANDRES	4940	- 1579	5990	- 2629	----	1050	LS,DOL,SD	
LEONARD UNDIFF.	6140	- 2779	8035	- 4674	----	1895	LS,SH,DOL	
SPRABERRY EQV.	8035	- 4674	9250	- 5889	----	1215	SH,SD	
WOLFCAMP	9250	- 5889	11335	- 7974	240	2085	SH,LS,SD	
PENNSYLVANIAN	11335	- 7974	12050	- 8689	460	715	LS,SH	
MISSISSIPPIAN	12050	- 8689	12785	- 9424	----	735	LS	
WOODFORD	12785	- 9424	12850	- 9489	----	65	SH	
SILURO-DEVONIAN	12850	- 9489	12855	- 9494	----		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11855                      ELEVATION : 3482                      TOTAL DEPTH : 13050  
 OPERATOR : HONOLULU                      WELL : NO.1 POPE POOL  
 LOCATION : 660 FNL, 660 FWL                      SEC: 46                      TNSP : D-11                      RNG :                      SUR : C+M RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	3248	234	4870	- 1388	----	1622	ANHY,SH	
SAN ANDRES	4870	- 1388	6142	- 2660	----	1272	LS,DOL	
GLORIETA	6142	- 2660	6350	- 2868	----	208	SH,SD,LS	
LEONARD UNDIFF.	6350	- 2868	9200	- 5718	----	2850	SH,LS	
WOLFCAMP	9200	- 5718	11055	- 7573	300	1855	SH,LS,SD	EST
PENNSYLVANIAN	11055	- 7573	11820	- 8338	290	765	LS,SH	EST
MISSISSIPPIAN	11820	- 8338	12270	- 8788	----	450	LS	
SILURO-DEVONIAN	12270	- 8788	12760	- 9278	----	490	LS	
MONTOYA	12760	- 9278	13015	- 9533	----	255	LS	
SIMPSON	13015	- 9533	13050	- 9568	----		SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XY - TERRY                      WELL ID NO. : 11C7                      ELEVATION : 3260                      TOTAL DEPTH : 9285  
 OPERATOR : AMERADA PETR. CORP.                      WELL : NO.7 SAM ADAIR  
 LOCATION : 660 FNL, 660 FWL                      SEC: 4                      TNSP : C-37                      RNG :                      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	327	2933	1925	1335	150	1598	SH, SD	EST
SANTA ROSA	1615	1645	1840	1420	90	225	SD, SH	
RUSTLER	2160	1100	3046	214	----	886	ANHY	
YATES	3046	214	3207	53	----	161	SD, SH	
WHITEHORSE GROUP	3046	214	4410	- 1150	----	1364	LS, ANHY, SD	
SAN ANDRES	4410	- 1150	6380	- 3120	----	1970	LS, DOL	
LEONARD (CF EQV)	6380	- 3120	7415	- 4155	----	1035	DOL, SH	EST
SPRABERRY	7415	- 4155	8404	- 5144	----	989	SD, SH	
DEAN	8552	- 5292	8732	- 5472	----	180	SD, SH	
WOLFCAMP	8732	- 5472	9032	- 5772	30	300	SH, DTR, LS	
PENNSYLVANIAN (REEF)	9032	- 5772	9285	- 6025	----		LS	TD

REMARKS  
 GOOD APPARENT POROSITY IN PENNSYLVANIAN REEFAL LIMESTONE 9000-TD.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

AUG 1971

COUNTY : YL - UPTON                      WELL ID NO. : 16A60                      ELEVATION : 2911                      TOTAL DEPTH : 13823  
 OPERATOR : FRENCH, BLAIR                      WELL : NO.1 JOSIF F. PECK  
 LOCATION : 2080 FNL, 1320 FWL                      SEC: 29                      TNSP : 0041                      RNG :                      SUR : TWP 4-S

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	265	2646	1460	1451	207	1195	SH, SD	EST
SANTA ROSA	1062	1849	1266	1645	87	204	SD, SH	
RUSTLER-SALADO	1725	1186	2895	16	----	1170	ANHY, SLT	
YATES	2895	16	3079	- 168	----	184	SD, SH	
WHITEHORSE GROUP	2895	16	4488	- 1577	----	1593	LS, ANHY, SD	
SAN ANDRES	4488	- 1577	5865	- 2954	----	1377	LS, DOL	
GLORIETA EQV	5865	- 2954	6065	- 3154	----	200	SD, DOL	
LEONARD (CF-WICH)	6180	- 3269	7848	- 4937	----	1668	SH, DOL	
SPRABERRY	7848	- 4937	8775	- 5864	----	927	SD, SH	
DEAN	9055	- 6144	9170	- 6259	----	115	SD, SH	
WOLFCAMP	9170	- 6259	10176	- 7265	110	1006	SH, LS, DTR	
PENNSYLVANIAN	10176	- 7265	10928	- 8017	180	752	LS, SH	
MISSISSIPPIAN	10928	- 8017	11660	- 8749	0	732	SH	
WOODFORD	11660	- 8749	11790	- 8879	----	130	SH	
DEVONIAN	11790	- 8879	12620	- 9709	830	830	LS	
SILURIAN	12620	- 9709	12695	- 9784	----	75	SH	
FUSSELMAN	12695	- 9784	12760	- 9849	65	65	LS	
MONTOYA	12760	- 9849	12961	-10050	201	201	LS	
SIMPSON	12961	-10050	13408	-10497	----	447	LS, SH, SD	
ELLENBURGER	13408	-10497	13823	-10912	415+		DOL	TD

REMARKS  
 MISS. LS NOT PRESENT DUE TO CHANGE OF FACIES.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

AUG 1971

COUNTY : yL - UPTON                      WELL ID NO. : 16A72                      ELEVATION : 2890                      TOTAL DEPTH : 13295  
 OPERATOR : MAGNOLIA                      WELL : NO.1-A T+L  
 LOCATION : 660 FWL, 1980 FNL                      SEC: 31                      TNSP : 0040                      RNG :                      SUR : T-4S T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	2690	200	4985	- 2095	-----	2295	ANHY,SH	
SAN ANDRES	4985	- 2095	5825	- 2935	-----	840	LS,SH	
GLORIETA EQV.	5825	- 2935	6025	- 3135	-----	200	LS,SD	
LEONARD	6200	- 3310	8500	- 5610	-----	2300	SH,SD	EST
WOLFCAMP	8500	- 5610	9605	- 6715	80	1105	SH,LS	
PENNSYLVANIAN	9605	- 6715	10450	- 7560	100	845	SH,LS	
MISS. - BARNETT	10450	- 7560	11125	- 8235	0	675	SH	
MISS, LS - WOODFORD	11125	- 8235	11125	- 8235	-----	0		FAC
DEVONIAN	11125	- 8235	11930	- 9040	-----	805	LS,CHT	
FUSSELMAN - MONTOYA	11930	- 9040	12090	- 9200	-----	160	LS	
SIMPSON	12090	- 9200	12490	- 9600	-----	400	SH,SD	
ELLENBURGER	12490	- 9600	13295	-10405	-----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YL - UPTON                      WELL ID NO. : 16B119                      ELEVATION : 2685                      TOTAL DEPTH : 12021  
 OPERATOR : PAULEY PETR. CO.                      WELL : NO.1 SHIRK  
 LOCATION : 1980 FEL, 660 FSL                      SEC: 11                      TNSP : 0001                      RNG :                      SUR : MK+T RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	175	2510	1095	1590	175	920	SH, SD	EST
SANTA ROSA	693	1992	927	1758	95	234	SD	
RUSTLER-SALADO	1333	1352	2323	362	----	990	ANHY, SLT	
YATES	2323	362	2480	205	----	157	SD, SH	
WHITEHORSE GROUP	2323	362	3525	- 840	----	1202	LS, SH, ANHY	
SAN ANDRES	3525	- 840	4585	- 1900	----	1060	DOL, SD	EST
LEONARD (CF-WICH) EQV	4585	- 1900	6580	- 3895	----	1995	SH, DOL	EST
WOLFCAMP	6580	- 3895	7930	- 5245	450	1350	LS, SH, DTR	EST
PENNSYLVANIAN	7930	- 5245	9140	- 6455	590	1210	LS, SH	EST
MISSISSIPPIAN-BARNETT	9140	- 6455	9760	- 7075	20	620	SH	
WOODFORD	9760	- 7075	9868	- 7183	----	108	SH	
DEVONIAN	9868	- 7183	10734	- 8049	866	866	LS	
SILURIAN	10734	- 8049	10814	- 8129	----	80	SH, LS	
FUSSELMAN	10814	- 8129	10914	- 8229	100	100	LS	
MONTOYA	10914	- 8229	11008	- 8323	94	94	LS	
SIMPSON	11008	- 8323	11732	- 9047	----	724	LS, SH, SD	
ELLENBURGER	11732	- 9047	12021	- 9336	289+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YL - UPTON                      WELL ID NO. : 16B125                      ELEVATION : 2848                      TOTAL DEPTH : 12506  
 OPERATOR : SINCLAIR                      WELL : NO.11 MCELROY  
 LOCATION : 1984 FSL, 1950 FEL                      SEC: 130                      TNSP : 0000                      RNG :                      SUR : CC50+RGNG

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	230	2618	1242	1606	205	1012	SH, SD	EST
SANTA ROSA	850	1998	1080	1768	75	230	SD	
RUSTLER-SALADO	1478	1370	2645	203	----	1167	ANHY, SH	
YATES	2645	203	2775	73	----	130	SD, SH	
WHITEHORSE GROUP	2645	203	4200	- 1352	----	1555	LS, SH, ANHY	
SAN ANDRES	4200	- 1352	5190	- 2342	----	990	LS, DOL	EST
LEONARD	5190	- 2342	7360	- 4512	----	2170	SH, LS, SD	
SPRABERRY	7360	- 4512	8200	- 5352	----	840	SD, SH	
DEAN	8360	- 5512	8497	- 5649	----	137	SD, SH	
WOLFCAMP	8497	- 5649	9320	- 6472	300	823	LS, SH, DTR	
PENNSYLVANIAN	9320	- 6472	9910	- 7062	310	590	SH, LS	
MISSISSIPPIAN-BARNETT	9910	- 7062	10425	- 7577	0	515	SH	
WOODFORD	10425	- 7577	10560	- 7712	----	135	SH	
DEVONIAN	10560	- 7712	11385	- 8537	825	825	LS	
SILURIAN	11385	- 8537	11441	- 8593	----	56	LS, SH	
FUSSELMAN	11441	- 8593	11477	- 8629	36	36	LS	
MONTOYA	11477	- 8629	11586	- 8738	109	109	LS	
SIMPSON	11586	- 8738	12150	- 9302	----	564	SH, SD, LS	
ELLENBURGER	12150	- 9302	12506	- 9658	356+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : YL - UPTON                      WELL ID NO. : 16B131                      ELEVATION : 2787                      TOTAL DEPTH : 12410  
 OPERATOR : HUNT OIL CO.                      WELL : NO. 1-84 T. AMACKER D  
 LOCATION : 1981 FSL, 1990 FEL                      SEC: 84                      TNSP : 000D                      RNG :                      SUR : CCSD+RNG

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	234	2553	1290	1497	152	1056	SH, SD	EST
SANTA ROSA	805	1982	1037	1750	92	232	SD, SH	
RUSTLER-SALADO	1466	1321	2539	248	----	1073	ANHY	
YATES	2539	248	2704	83	----	165	SD, SH	
WHITEHORSE GROUP	2539	248	4215	- 1428	----	1676	LS, SD, ANHY	
SAN ANDRES	4215	- 1428	5160	- 2373	----	945	DOL, SD	EST
LEONARD	5160	- 2373	7410	- 4623	----	2250	SH, DOL	EST
SPRABERRY	7410	- 4623	8230	- 5443	----	820	SD, SH	
DEAN	8470	- 5683	8662	- 5875	----	192	SD, SH	
WOLFCAMP	8662	- 5875	10290	- 7503	280	1628	SH, LS, DTR	
PENNSYLVANIAN	10290	- 7503	10895	- 8108	290	605	LS, SH	
MISSISSIPPIAN-BARNETT	10895	- 8108	11420	- 8633	0	525	SH	
WOODFORD	11420	- 8633	11518	- 8731	----	98	SH	
DEVONIAN	11518	- 8731	12228	- 9441	710	710	LS	
SILURIAN	12228	- 9441	12334	- 9547	----	106	SH, LS	
FUSSELMAN	12334	- 9547	12409	- 9622	175	75	LS	
MONTOYA	12409	- 9622	12410	- 9623	1+		LS	TO

REMARKS  
 TOPS OF SAN ANDRES AND LEONARD ARE QUESTIONABLE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YL - UPTON                      WELL ID NO. : 168133                      ELEVATION : 2614                      TOTAL DEPTH : 10800  
 OPERATOR : GULF OIL CORP.                      WELL : NO.1 4-D MCELROY HANCH CO.  
 LOCATION : 660 FNL, 1200 FWL                      SEC: 171                      TNSP : 000E                      RNG :                      SUR : CCSD\*RGNC

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA	DEPTH	DEPTH	SUB-SEA				
TRIASSIC	100	2514	1220	1394	227	1120	SH, SD	EST	
SANTA ROSA	810	1804	1045	1569	155	235	SD, SH		
RUSTLER-SALADO	1445	1169	2525	89	----	1080	ANHY, SLT		
YATES	2525	89	2678	- 64	----	153	SD, SH		
WHITEHORSE GROUP	2525	89	4157	- 1543	----	1632	LS, SD, ANHY		
SAN ANDRES	4157	- 1543	5630	- 3016	----	1473	LS, SH	EST	
LEONARD	5630	- 3016	7230	- 4616	----	1600	SH, LS, DOL		
WOLFCAMP	7230	- 4616	8338	- 5724	410	1108	LS, DTR, SH		
PENNSYLVANIAN	8338	- 5724	9200	- 6586	430	862	LS, SH		
MISSISSIPPIAN-GARNETT	9200	- 6586	9699	- 7085	0	499	SH		
WOODFORD	9699	- 7085	9802	- 7188	----	103	SH		
DEVONIAN	9802	- 7188	10750	- 8136	948	948	LS, CHT		
SILURIAN	10750	- 8136	10800	- 8186	----		SH	TD	

REMARKS  
 LEONARD TOP ESTIMATED, PENN. LS POSSIBLE AQUIFER

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YL - UPTON                      WELL ID NO. : 168137                      ELEVATION : 2853                      TOTAL DEPTH : 11825  
 OPERATOR : FRENCH AND BLAIR                      WELL : NO. 2 CODY HELL  
 LOCATION : 1980 FSL, 660 FEL                      SEC: 4                      TNSP : 000X                      RNG :                      SUR : J. H. GIBSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	115	2738	1075	1778	207	960	SH, SD	EST
SANTA ROSA	665	2188	904	1949	82	239	SD, SH	
RUSTLER-SALADO	1222	1631	2120	733	----	898	ANHY, SLT	
YATES	2120	733	2245	608	----	125	SD, SH	
WHITEHORSE GROUP	2120	733	3354	- 501	----	1234	LS, ANHY, SD	
SAN ANDRES	3354	- 501	4190	- 1337	----	836	LS, DOL	
GLORIETA EQV	4190	- 1337	4275	- 1422	----	85	SD, DOL	
CLEAR FORK EQV	4275	- 1422	5260	- 2407	----	985	DOL	
WICHITA EQV	5260	- 2407	6980	- 4127	----	1720	DOL, SH	EST
WOLFCAMP	6980	- 4127	7655	- 4802	210	675	LS, DTH, SH	EST
PENNSYLVANIAN	7655	- 4802	8935	- 6082	480	1280	LS, SH	EST
MISSISSIPPIAN-BARNETT	8935	- 6082	9387	- 6534	0	452	SH	
WOODFORD	9387	- 6534	9520	- 6667	----	137	SH	
DEVONIAN	9520	- 6667	10465	- 7612	945	945	LS	
SILURIAN	10465	- 7612	10494	- 7641	----	29	SH	
FUSSELMAN	10494	- 7641	10658	- 7805	164	164	LS	
MUNTOYA	10658	- 7805	10775	- 7922	117	117	LS	
SIMPSON	10775	- 7922	11611	- 8758	----	836	SH, SD, LS	
ELLENBURGER	11611	- 8758	11825	- 8972	214+		DOL	TO

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC., E AND C DEPT.

AUG 1971

COUNTY : YL - UPTON WELL ID NO. : 17A51 ELEVATION : 2747 TOTAL DEPTH : 12829

OPERATOR : SOHIO PETR. CO. WELL : NO.1 BERNSTEIN

LOCATION : 660 FSL, 660 FWL SEC: 5 TNSP : N RNG : SUR : HE+WT

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	2410	337	4100	- 1353	----	1690	ANHY,SD	
SAN ANDRES	4100	- 1353	5485	- 2738	----	1385	LS,SD,DOL	
GLORIETA EQV.	5485	- 2738	5685	- 2938	----	200	SD,SH	
LEONARD	5840	- 3093	7160	- 4413	----	1320	SH,LS,SD	
SPRABERRY	7160	- 4413	8540	- 5793	----	1380	SD,SH	
DEAN	8540	- 5793	8720	- 5973	----	180	SH,SD	
WOLFCAMP	8860	- 6113	10470	- 7723	0	1610	SH,SD,LS	
PENNSYLVANIAN	10470	- 7723	11050	- 8303	375	580	LS,SH	
MISSISSIPPIAN	11050	- 8303	11570	- 8823	0	520	SH	
WOODFORD	11570	- 8823	11647	- 8900	----	77	SH	
DEVONIAN	11647	- 8900	12262	- 9515	----	615	LS	
FUSSELMAN	12262	- 9515	12330	- 9583	----	68	LS	
MONTOYA	12330	- 9583	12410	- 9663	----	80	LS	
SIMPSON	12410	- 9663	22640	-19893	----	10230	SH,LS	
ELLENBURGER	12640	- 9893	12829	-10082	----		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

AUG 1971

COUNTY : YL - UPTON                      WELL ID NO. : 17A52                      ELEVATION : 2771                      TOTAL DEPTH : 12964  
 OPERATOR : HUMBLE OIL AND REF.                      WELL : NO.1 TIPPETT  
 LOCATION : 660 FNL, 1980 FWL                      SEC: 20                      TNSP : 0038                      RNG :                      SUR : T-5S, T+P RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	2518	253	4250 - 1479	-----	1732	ANHY,SH,SD	
SAN ANDRES	4250	- 1479	5600 - 2829	-----	1350	LS,SD,SH	
GLORIETA EQV.	5600	- 2829	5800 - 3029	-----	200	SH,SD	
LEONARD	5990	- 3219	7280 - 4509	-----	1290	SH,SD,LS	
SPRABERRY	7280	- 4509	8678 - 5907	-----	1398	SD,SH	
DEAN	8678	- 5907	8860 - 6089	-----	182	SD,SH	
WOLFCAMP	8860	- 6089	10633 - 7862	0	1773	SH,LS,SD	
PENNSYLVANIAN	10633	- 7862	11120 - 8349	330	487	LS,SH	
MISSISSIPPIAN	11120	- 8349	11700 - 8929	0	580	SH	
WOODFORD	11700	- 8929	11787 - 9016	-----	87	SH	
DEVONIAN	11787	- 9016	12375 - 9604	-----	588	LS,CHT	
FUSSELMAN	12375	- 9604	12578 - 9807	-----	203	LS	
SIMPSON	12578	- 9807	12770 - 9999	-----	192	SH,SD	
ELLENBURGER	12770	- 9999	12964 - 10193	-----		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YL - UPTON                      WELL ID NO. : 17812                      ELEVATION : 2720                      TOTAL DEPTH : 12660  
 OPERATOR : HUNT OIL CO.                      WELL : NO.1 CRAVENS  
 LOCATION : 660 FSL, 660 FEL                      SEC: 31                      TNSP : 000Y                      RNG :                      SUR 1

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	354	2360	1170	1550	167	816	SH, SO	EST
SANTA ROSA	700	2020	935	1785	97	235	SD	
RUSTLER	1350	1370	2292	428	----	942	ANHY	
YATES	2292	428	2440	280	----	148	SD, SH	
WHITEHORSE GROUP	2292	428	3760	- 1040	----	1468	LS, SH, SU	
SAN ANDRES	3760	- 1040	4640	- 1920	----	880	LS, SO, DOL	
GLORIETA EQV	4640	- 1920	4740	- 2020	----	100	SD, DOL	
LEONARD	4740	- 2020	6920	- 4200	----	2180	SD, SH, LS	
SPRABERRY	6920	- 4200	8040	- 5320	----	1120	SD, SH	
DEAN	8280	- 5560	8430	- 5710	----	150	SD, SH	
WOLFCAMP	8430	- 5710	10230	- 7510	230	1800	SH, SD	
PENNSYLVANIAN	10230	- 7510	10660	- 7940	210	430	LS, SH	
MISSISSIPPIAN-BARNETT	10660	- 7940	11085	- 8365	0	425	SH	
WOODFORD	11085	- 8365	11220	- 8500	----	135	SH	
DEVONIAN	11220	- 8500	11845	- 9125	625	625	LS, CHT	
SILURIAN SHALE	11845	- 9125	11910	- 9190	----	65	SH	
FUSSELMAN	11910	- 9190	11980	- 9260	80	70	LS	
MONTOYA	11980	- 9260	12060	- 9340	880	80	LS, DOL	
SIMPSON	12060	- 9340	12385	- 9665	----	325	LS, SH	
ELLENBURGER	12385	- 9665	12660	- 9940	275+		UOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YL - UPTON                      WELL ID NO. : 17850                      ELEVATION : 2681                      TOTAL DEPTH : 12505  
 OPERATOR : SLICK URSCHEL                      WELL : NO.1 STANDIFER  
 LOCATION : PB SCOTT SURVEY                      SEC:                      TNSP :                      RNG :                      SUR : SEC 50 1/2 LOT 3,

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	2100	581	3570	- 889	----	1470	ANHY,SH	
SAN ANDRES	3570	- 889	4790	- 2109	----	1220	LS,SD,DOL	
GLORIETA EQV.	4790	- 2109	5000	- 2319	----	210	SH,SD	
LEONARD	5000	- 2319	7305	- 4624	----	2305	SH,SD	EST
WOLFCAMP	7305	- 4624	9200	- 6519	0	1895	SH,LS	
PENNSYLVANIAN	9200	- 6519	9725	- 7044	120	525	SH,LS	EST
MISSISSIPPIAN	9725	- 7044	10110	- 7429	0	385	SH	
DEVONIAN	10110	- 7429	10725	- 8044	----	615	LS,CHT	
FUSSELMAN - MONTQYA	10725	- 8044	10785	- 8104	----	60	LS	
SIMPSON	10785	- 8104	11020	- 8339	----	235	SH,SD	
ELLENBURGER	11020	- 8339	12460	- 9779	----	1440	DOL	
PHE-CAMBRIAN	12460	- 9779	12505	- 9824	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORILS INC, E AND C DEPT.

JUN 1971

COUNTY : YR - VAL VERDE      WELL ID NO. : 1      ELEVATION : 1296      TOTAL DEPTH : 2252  
 OPERATOR : JOINER OIL CORP.      WELL : NO. 1 SELLERS  
 LOCATION : 2728 FEL,2340 FNL      SEC: 59      TNSP :      RNG :      SUR : 1+GN SUR.

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CRETACEOUS-UNDIFF.	0	1296	1950	- 654	0	1950	LS,SD,SH	
QUACHITA FOLD SERIES	1950	- 654	2252	- 956	0		SD,LS,SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YR - VAL VERDE      WELL ID NO. : 17D5      ELEVATION : 2244      TOTAL DEPTH : 15500  
 OPERATOR : SKELLY OIL CO.      WELL : NO.1 BUNGER  
 LOCATION : 1980 FNL, 990 FWL      SEC: 6      TNSP : 00-3      RNG :      SUR : TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	1360	884	12552	-10308	180	11192	SH, SD	ERD
PENNSYLVANIAN	12552	-10308	12845	-10601	200	293	LS, SH	
MISSISSIPPIAN-BARNETT	12845	-10601	12937	-10693	0	92	SH	
WOODFORD	12937	-10693	13035	-10791	----	98	SH	
DEVONIAN	13035	-10791	13430	-11186	395	395	LS	
FUSSELMAN	13430	-11186	13462	-11218	32	32	LS	
SYLVAN SHALE	13462	-11218	13558	-11314	----	96	SH	EQU
MONTOYA	13558	-11314	13558	-11314	----	0		EQU
SIMPSON	13558	-11314	14500	-12256	----	942	SH, LS	
ELLENBURGER	14500	-12256	15500	-13256	1000+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YR - VAL VERDE      WELL ID NO. : 1706      ELEVATION : 1819      TOTAL DEPTH : 17051  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO.1 MILLS MINERAL TRUST  
 LOCATION : 802 FSL, 2174 FEL      SEC: 128      TNSP : 0001      RNG :      SUR : I+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	560	1259	14155	-12336	300	13595	SH, SD ERD	EST
PENNSYLVANIAN	14155	-12336	14547	-12728	210	392	LS, SH	
MISSISSIPPIAN-BARNETT	14547	-12728	14650	-12831	20	103	SH	
WOODFORD	14650	-12831	14708	-12889	----	58	SH	
DEVONIAN	14708	-12889	15053	-13234	345	345	LS	
FUSSELMAN	15053	-13234	15070	-13251	17	17	LS	
SYLVAN SHALE	15070	-13251	15180	-13361	----	110	SH	EQV
MONTJOYA	15180	-13361	15180	-13361	0	0		EQV
SIMPSON	15180	-13361	16160	-14341	----	980	LS, SH, SD	
ELLENBURGER	16160	-14341	17051	-15232	891+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YR - VAL VERDE      WELL ID NO. : 17D11      ELEVATION : 2052      TOTAL DEPTH : 14540  
 OPERATOR : SINCLAIR OIL CO.      WELL : NO.1 HERD  
 LOCATION : 2885 FSL, 1642 FWL      SEC:      TNSP : 00-7      RNG :      SUR : L.A. STUBBEFIELD

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	1094	958	12386	-10334	30	11292	SH ERD	EST
PENNSYLVANIAN	12386	-10334	12697	-10645	120	311	LS,SH	
MISSISSIPPIAN	12697	-10645	12906	-10854	125	209	LS, SH	
WOODFORD	12906	-10854	12958	-10906	----	52	SH	
DEVONIAN	12958	-10906	13325	-11273	367	367	LS	
FUSSELMAN	13325	-11273	13475	-11423	150	150	LS	
SYLVAN SHALE	13475	-11423	13544	-11492	----	69	SH	EQU
MONTOYA	13544	-11492	13544	-11492	----	0		EQU
SIMPSON	13544	-11492	14168	-12116	----	624	LS, SH, SD	
ELLENBURGER	14168	-12116	14540	-12488	372+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YR - VAL VERDE      WELL ID NO. : 17D15      ELEVATION : 1763      TOTAL DEPTH : 17087

OPERATOR : SHELL OIL CO.      WELL : NO.1 CAUTHORN

LOCATION : 1465 FWL, 900 FNL      SEC: 111      TNSP : E      RNG :      SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
LEONARD (UNDIFF.)	875	888	3730	- 1967	----	2855	SH,SD ERD	EST
WOLFCAMP	3730	- 1967	13655	-11892	----	9925	SH	EST
PENNSYLVANIAN	13655	-11892	14978	-13215	----	1323	LS,SH	
MISS. - WOODFORD	14978	-13215	14978	-13215	----	0		UNC
DEVONIAN	14978	-13215	15035	-13272	57	57	LS	
FUSSELMAN	15035	-13272	15092	-13329	57	57	LS	
MUNTOYA	15092	-13329	15200	-13437	108	108	LS	
SIMPSON	15200	-13437	15712	-13949	----	512	SH, LS, SD	
ELLENBURGER	15712	-13949	17087	-15324	1375+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YR - VAL VERDE      WELL ID NO. : 1806      ELEVATION : 2160      TOTAL DEPTH : 12799  
 OPERATOR : HUMBLE OIL + REF. CO.      WELL : NO.1 WHITEHEAD  
 LOCATION : 660 FNL,1320 FWL      SEC: 19      TNSP :      RNG :      SUR : C+M RR SUR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CRETACEOUS-UNDIFF.	0	2160	1045	1115	----	1045	LS,SD	
WOLF CAMP	1045	1115	11830	- 9670	0	10785	SH	
PENNSYLVANIAN-UNDIFF	11830	- 9670	12030	- 9870	40	200	LS,SH	
MISS	12030	- 9870	12060	- 9900	20	30	LS,SH	
SILURO-DEVONIAN	12060	- 9900	12285	-10125	60	225		
SIMPSON	12285	-10125	12430	-10270	0	145	SH,LS	
ELLENBURGER	12430	-10270	12799	-10639	369+		DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YR - VAL VERDE      WELL ID NO. : 1807      ELEVATION : 1894      TOTAL DEPTH : 16456  
 OPERATOR : PHILLIPS PETROLEUM CO      WELL : NO.1 WILSON  
 LOCATION : 1980 FNL,1980 FEL      SEC: 82      TNSP : E      RNG :      SUR : GC+SF SUR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP	1000	894	13842	-11948	30	12842	SH,SD	
PENNSYLVANIAN-UNDIFF.	13842	-11948	14160	-12266	130	318	LS,SH	
MISS-	14160	-12266	14210	-12316	30	50	LS,SH	
SILURO-DEVONIAN	14210	-12316	14520	-12626	180	310	LS,SH	
SIMPSON	14520	-12626	14895	-13001	200	375	LS,SH	
ELLENBURGER	14895	-13001	16450	-14556	1555	1555	DOL	
CAMBRIAN	16450	-14556	16456	-14562	0		SD	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YR - VAL VERDE      WELL ID NO. : 1808      ELEVATION : 2000      TOTAL DEPTH : 15295  
 OPERATOR : HUMBLE OIL + REF. CO.      WELL : NO.1 WARDLAW  
 LOCATION : 1410 FWL,2750 FNL      SEC: 53      TNSP : 0      RNG :      SUR : CG+SF RR SUR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CRETACEOUS-UNDIFF	0	2000	1090	910	----	1090	LS,SD	
WOLFCAMP	1090	910	13800	-11800	90	12710	SH,SD	
PENNSYLVANIAN-UNDIFF	13800	-11800	14140	-12140	150	340	LS,SH	
MISS	14140	-12140	14140	-12140	0	0		UNC
SILURO-DEVONIAN	14140	-12140	14510	-12510	50	370		
SIMPSON	14510	-12510	14735	-12735	175	225	LS,SH	
ELLENBURGER	14735	-12735	15295	-13295	560		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 19A16                      ELEVATION : 2719                      TOTAL DEPTH : 21603  
 OPERATOR : GULF OIL CORP.                      WELL : NO.1 GREER MCGINLEY GAS UNIT  
 LOCATION : 1320 FNEL, 1320 FSEL                      SEC: 19                      TNSP : 0001                      RNG :                      SUR : W+NN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	90	2629	505	2214	0	415	SH	EST
RUSTLER-SALADO	600	2119	4910	- 2191	----	4310	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4910	- 2191	8310	- 5591	----	3400	SD, LS, SH	
LEONARD	8310	- 5591	11080	- 8361	----	2770	SH, LS	
WOLFCAMP	11080	- 8361	16430	-13711	60	5350	SH	
PENNSYLVANIAN	16430	-13711	16990	-14271	90	560	LS, SH	
MISSISSIPPIAN	16990	-14271	18000	-15281	240	1010	SH, LS	
BARNETT	16990	-14271	17610	-14891	----	620	SH	
MISS. LS	17610	-14891	18000	-15281	----	390	LS	
WOODFORD	18000	-15281	18680	-15961	----	680	SH	
DEVONIAN	18680	-15961	18790	-16071	110	110	LS	
SILURIAN	18790	-16071	19118	-16399	----	328	SH	
FUSSELMAN	19118	-16399	19318	-16599	200	200	LL	
MONTOYA	19318	-16599	20008	-17289	690	690	DO	
SIMPSON	20008	-17289	21260	-18541	----	1252	SH, SD	
ELLENBURGER	21260	-18541	21603	-18884	343+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 15A17                      ELEVATION : 2824                      TOTAL DEPTH : 21741  
 OPERATOR : MOBIL OIL CO.                      WELL : NO.1-W U-TEX UNIT  
 LOCATION : 2180 FNL, 1980 FWL                      SEC: 28                      TNSP : 0018                      RNG :                      SUR : UNIVERSITY LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	185	2639	590	2234	----	405	SH, SD	EST
SANTA ROSA FGV	400	2424	565	2259	----	165	SH, SD	EST
RUSTLER-SALADO	782	2042	5110	- 2286	----	4328	ANH, SLT, DOL	
DELAWARE MTN. GROUP	5110	- 2286	8530	- 5706	----	3420	SD, SH, LS	
LEONARD	8530	- 5706	11410	- 8586	----	2880	SH, LS	
WOLFCAMP	11410	- 8586	15680	-12856	160	4270	SH	
PENNSYLVANIAN	15680	-12856	16305	-13481	120	625	SH, LS	
MISSISSIPPIAN	16305	-13481	17402	-14578	260	1097	SH, LS	
BARNETT	16305	-13481	16910	-14086	----	605	SH	
MISS. LS	16910	-14086	17402	-14578	----	492	LS	
WOODFORD	17402	-14578	18050	-15226	----	648	SH	
DEVONIAN	18050	-15226	18275	-15451	225	225	LS	
SILURIAN	18275	-15451	18518	-15694	----	243	SH, LS	
FUSSELMAN	18518	-15694	18704	-15880	186	186	LS	
MONTGYA	18704	-15880	19380	-16556	676	676	LS, DOL	
SIMPSON	19380	-16556	20960	-18136	----	1580	SH, SD, LS	
ELLENBURGER	20960	-18136	21741	-18917	781+		ANI	TD

COUNTY : YX - WARD                      WELL ID NO. : 15A18                      ELEVATION : 2660                      TOTAL DEPTH : 19278  
 OPERATOR : UNION OIL OF CALIF.                      WELL : NO.1 UNIVERSITY PYOTE UNIT  
 LOCATION : 1980 FNL, 1680 FWL                      SEC: 19                      TNSP : 0017                      RNG :                      SUR : UNIVERSITY LANS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	632	2028	1292	1368	95	660	SH, SD	EST
SANTA ROSA EQV	890	1770	1120	1540	50	230	SD, SH	EST
RUSTLER-SALADO	1553	1107	4966	- 2306	----	3413	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4966	- 2306	8210	- 5550	----	3244	SD, LS, SH	
LEONARD	8210	- 5550	11180	- 8520	----	2970	SH, LS	
WOLFCAMP	11180	- 8520	13365	-10705	0	2185	SH	
PENNSYLVANIAN	13365	-10705	13550	-10890	50	185	LS, SH	
MISSISSIPPIAN	13500	-10840	14580	-11920	380	1080	SH, LS	
BARNETT	13500	-10840	14020	-11360	----	520	SH	
MISS. LS	14020	-11360	14580	-11920	----	560	LS	
WOODFORD	14580	-11920	15044	-12384	----	464	SH	
DEVONIAN	15044	-12384	15507	-12847	463	463	LS	
SILURIAN	15507	-12847	15645	-12985	----	138	SH	
FUSSELMAN	15645	-12985	15960	-13300	315	315	LS	
MONTOYA	15960	-13300	16518	-13858	558	558	LS, DOL	
SIMPSON	16518	-13858	17973	-15313	----	1455	SH, SD, LS	
ELLENBURGER	17973	-15313	19245	-16585	272	1272	DOL	
PRE-CAMBRIAN	19245	-16585	19278	-16618	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
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JUN 1971

COUNTY : YX - WARD WELL ID NO. : 15A20 ELEVATION : 2704 TOTAL DEPTH : 7709

OPERATOR : MAGNOLIA PETR. CO. WELL : NO.1-88 SEALY

LOCATION : 1980 FSL, 1980 FWL SEC: 88 TNSP : 000F RNG : SUR : G+MMB+A

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1055	1649	1695	1009	92	640	SH, SD	EST
SANTA ROSA EQV	1335	1369	1610	1094	32	275	SD, SH	EST
RUSTLER-SALADO	1810	894	2755	= 51	----	945	ANHY, DOL	
CAPITAN REEF	2755	= 51	4700	= 1996	----	1945	LS	
DELAWARE MIN. GROUP	4700	= 1996	7709	= 5005	----		SD, LS, SH	TD
LEONARD (BONE SPRING)	8397	= 5693	8397	= 5693	----	0		EST

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 15A26                      ELEVATION : 2689                      TOTAL DEPTH : 16302  
 OPERATOR : MOBIL OIL CO.                      WELL : NO.1 56 SEALY  
 LOCATION : 660 FSL, 660 FWL                      SEC: 56                      TNSP : 000F                      RNG :                      SUR : G+MMB+A

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GUADALUPE (T. YATES)	3195	- 506	6360	- 3671	----	3165	SD, LS	
CAPITAN REEF	3625	- 936	5120	- 2431	----	1495	LS	
LEONARD	6360	- 3671	9335	- 6646	----	2975	LS, SH	
WOLFCAMP	9335	- 6646	11370	- 8681	320	2035	SH, LS, OTR	
PENNSYLVANIAN	11370	- 8681	11815	- 9126	240	445	LS, SH, OTR	
MISSISSIPPIAN	11815	- 9126	14330	-11641	310	2515	SH, LS	
BARNETT	11815	- 9126	13660	-10971	----	1845	SH	
MISS. LS	13660	-10971	14330	-11641	----	670	LS	
WOODFORD	14330	-11641	14900	-12211	----	570	SH	
DEVONIAN	14900	-12211	15280	-12591	380	380	LS	
SILURIAN	15280	-12591	15510	-12821	----	230	SH	
FUSSELMAN	15510	-12821	15795	-13106	285	285	LS	
MONTOYA	15795	-13106	16302	-13613	507		LS, DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 15A37                      ELEVATION : 2634                      TOTAL DEPTH : 17390  
 OPERATOR : MOBIL OIL CO.                      WELL : NO.1 BLOCK 16 UNIT  
 LOCATION : 1320 FNL, 1980 FEL                      SEC: 21                      TNSP : 0016                      RNG :                      SUR : UNIVERSITY LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	1115	1514	1560	1074	80	SH, SD	EST
SANTA ROSA	1180	1454	1300	1334	68	SD, SH	EST
RUSTLER-SALADO	1720	914	2922	- 288	----	ANH, SLT, DOL	
YATES	2922	- 288	3050	- 416	----	SD, LS, SH	
GUADALUPF	2922	- 288	7045	- 4411	----	LS, SH, SD	
CAPITAN HEEF	3270	- 636	5182	- 2548	----	LS	
LEONARD	7045	- 4411	9992	- 7358	----	SH, LS	
WOLFCAMP	9992	- 7358	10960	- 8326	350	SH, LS, DTR	
PENNSYLVANIAN	10960	- 8326	11422	- 8788	80	LS, SH, DTR	EST
MISSISSIPPIAN	11422	- 8788	12260	- 9626	510	SH, LS	
BARNETT	11422	- 8788	11633	- 8999	----	SH	
MISS. LS	11633	- 8999	12260	- 9626	----	LS	
WOODFORD	12260	- 9626	12738	-10104	----	SH	
DEVONIAN	12738	-10104	13220	-10586	582	LS	
SILURIAN	13220	-10586	13475	-10841	----	SH	
FUSSELMAN	13475	-10841	13857	-11223	282	LS	
MONTOYA	13857	-11223	14270	-11636	413	LS, DOL	
SIMPSON	14270	-11636	15940	-13306	----	SH, SD, LS	
ELLENBURGER	15940	-13306	17340	-14706	1400	DOL	
PRE-CAMBRIAN EST.	17340	-14706	17390	-14756	----	GRT	TD

REMARKS  
 PENN. TOP QUESTIONABLE DUE TO LACK OF PALEO. DATA.



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 15A3B                      ELEVATION : 2679                      TOTAL DEPTH : 20600  
 OPERATOR : HUMBLE OIL CO.                      WELL : NO.1 MIDLAND NATIONAL BANK  
 LOCATION : 1980 FNWL, 1980 FNEL                      SEC: 146                      TNSP : 0034                      RNG :                      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	195	2484	896	1783	70	701	SH, SD	EST
SANTA ROSA EQV	435	2244	592	2087	40	157	SH, SD	EST
RUSTLER-SALADO	765	1914	4984	- 2305	----	4219	ANH, SLT, DOL	
DELAWARE MTN. GROUP	4984	- 2305	8410	- 5731	----	3426	SD, SH, LS	
LEONARD	8410	- 5731	11231	- 8552	----	2821	SH, LS	
WOLFCAMP	11231	- 8552	15348	-12669	0	4117	SH	
PENNSYLVANIAN	15348	-12669	15910	-13231	360	562	LS, SH	
MISSISSIPPIAN	15910	-13231	16920	-14241	280	1010	SH, LS	
BARNETT	15910	-13231	16405	-13726	----	495	SH	
MISS LS.	16405	-13726	16920	-14241	----	515	LS	
WOODFORD	16920	-14241	17416	-14737	----	496	SH	
DEVONIAN	17416	-14737	17778	-15099	362	362	LS	
SILURIAN	17778	-15099	18064	-15385	----	286	SH, LS	
FUSSELMAN	18064	-15385	18179	-15500	115	115	LS	
MONTOYA	18179	-15500	18822	-16143	643	643	LS, DOL	
SIMPSON	18822	-16143	19020	-16341	----	198	SH, SD, LS	
ELLENBURGER	19020	-16341	20600	-17921	580+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 1584                      ELEVATION : 2600                      TOTAL DEPTH : 19654  
 OPERATOR : SHELL OIL CO.                      WELL : NO.1 LOCKRIDGE  
 LOCATION : 970 FNEL, 1670 FSEL                      SEC: 89                      TNSP : 0034                      RNG :                      SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUR-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	60	2540	724	1876	0	664	SH	EST
RUSTLER-SALADO	895	1705	4967	- 2367	----	4072	ANH,SLT,DOL	
DELAWARE MIN. GROUP	4967	- 2367	8097	- 5497	----	3130	SD, SH, LS	
LEONARD	8097	- 5497	10860	- 8260	----	2763	SH, LS	
WOLFCAMP	10860	- 8260	13610	-11010	40	2750	LS, DTR	
PENNSYLVANIAN	13610	-11010	13685	-11085	0	75	LS, SH	
MISSISSIPPIAN	13685	-11085	14640	-12040	410	955	SH, LS	
BARNETT	13685	-11085	14085	-11485	----	400	SH	
MISS. LS	14085	-11485	14640	-12040	----	555	LS	
WOODFORD	14640	-12040	15008	-12408	----	368	SH	
DEVONIAN	15008	-12408	15600	-13000	592	592	LS, CHT	
SILURIAN SHALE	15600	-13000	15822	-13222	----	222	SH	
FUSSELMAN	15822	-13222	16110	-13510	288	288	LS	
MONTOYA	16110	-13510	16615	-14015	505	505	LS, DOL	
SIMPSON	16615	-14015	18228	-15628	----	1613	SH, SD, LS	
ELLENBURGER	18228	-15628	19620	-17020	1392	1392	DOL	
PRE-CAMBRIAN	19620	-17020	19654	-17054	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YX - WARD WELL ID NO. : 1585 ELEVATION : 2494 TOTAL DEPTH : 9200

OPERATOR : UNION TEXAS PETR. CO. WELL : NO.1 ARC STATE

LOCATION : 660 FSEL, 3100 FSWL SEC: 16 TNSP : RRG : SUR : G.G. HOUSTON

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1305	1189	1525	969	0	220	SH	EST
RUSTLER-SALADO	1700	794	4830	- 2336	----	3130	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4830	- 2336	7900	- 5406	----	3070	SO, LS, SH	
LEONARD	7900	- 5406	9200	- 6706	----		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

LORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YX - WARD WELL ID NO. : 15835 ELEVATION : 2605 TOTAL DEPTH : 13880

OPERATOR : HUMBLE OIL CO. WELL : NO.5-1 PYOTE GAS UNIT

LOCATION : 1980 FNE1 + 1980 FSEL SFC: 37 TNSP : 0016 RNG : SUR : UNIVERSITY LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1102	1503	1500	1105	0	398	SH	EST
RUSTLER-SALADO	1612	993	4800	- 2195	----	3188	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4800	- 2195	7904	- 5299	----	3104	SD, SH, LS	
LEONARD	7904	- 5299	10738	- 8133	----	2834	SH, LS	
WOLFCAMP	10738	- 8133	11482	- 8877	260	744	SH, DTR	
PENNSYLVANIAN	11483	- 8878	12177	- 9572	190	694	LS, SH	
MISSISSIPPIAN	12177	- 9572	13034	-10429	370	857	SH, LS	
BARNETT	12177	- 9572	12448	- 9843	----	271	SH	
MISS. LS	12448	- 9843	13034	-10429	----	586	LS	
WOODFORD	13034	-10429	13505	-10900	----	471	SH	
DEVONIAN	13505	-10900	13880	-11275	375+		UOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CURE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YX - WARD WELL ID NO. : 15838 ELEVATION : 2594 TOTAL DEPTH : 21041

OPERATOR : HUMBLE OIL CO. WELL : NO.1 SCOTT

LOCATION : 1480 FNE, 1320 FNW SEC: 31 TNSP : 0033 RNG : SUR : H+TC

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	165	2429	596	1998	0	431	SH	EST
RUSTLER-SALADO	750	1444	4888	- 2294	----	4138	ANH,SLT,DOL	
DELAWARE MTN. GROUP	4888	- 2294	8093	- 5499	----	3205	SD, LS, SH	
LEONARD	8093	- 5499	10792	- 8198	----	2699	SH, LS, SD	
WOLFCAMP	10792	- 8198	15585	-12991	0	4793	SH, DTR	
PENNSYLVANIAN	15585	-12991	15820	-13226	0	235	LS, SH	
MISSISSIPPIAN	15820	-13226	16440	-13846	150	620	SH, LS	
BARNETT	15800	-13206	16180	-13586	----	390	SH	
MISS. LS	16180	-13586	16440	-13846	----	260	LS	
WOODFORD	16440	-13846	16830	-14236	----	390	SH	
DEVONIAN	16830	-14236	17167	-14573	337	337	LS	
SILURIAN SHALE	17167	-14573	17300	-14706	----	133	SH	
FUSSELMAN	17300	-14706	17370	-14776	70	70	LS	
MONTOYA	17370	-14776	18081	-15487	711	711	LS, DOL	
SIMPSON	18081	-15487	19670	-17076	----	1589	SH, LS, SD	
ELLENBURGER	19670	-17076	20957	-18363	1287	1287	DOL	
PRE-CAMBRIAN	20957	-18363	21041	-18447	----		GRW	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 16A2                      ELEVATION : 2755                      TOTAL DEPTH : 10671  
 OPERATOR : SHELL OIL CO.                      WELL : NO.A-1 SEALY SMITH  
 LOCATION : 1980 FNL, 1980 FEL                      SEC: 2                      TNSP : 000A                      RNG :                      SUR : G+MMB+A

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SANTA ROSA	200	2555	500	2255	0	300	SD, SH	EST
RUSTLER-SALADO	847	1908	2252	503	----	1405	ANHY, SLT	
YATES	2252	503	2470	285	----	218	SD, SH	
WHITEHORSE GROUP	2252	503	3880	- 1125	----	1628	LS, ANHY, SD	
SAN ANDRES	3880	- 1125	4753	- 1998	----	873	LS, DOL	
GLORIETA	4753	- 1998	5049	- 2294	----	296	SD, DOL	
CLEAR FORK	5049	- 2294	6230	- 3475	----	1181	DOL	
WICHITA	6230	- 3475	6787	- 4032	----	557	DOL, SH	
WOLFCAMP	6787	- 4032	7390	- 4635	280	603	SH, LS, DTR	
PENN.-UPPER MISS.	7390	- 4635	7390	- 4635	0	0		UNC
MISSISSIPPIAN	7390	- 4635	7503	- 4748	95	113	LS	ERD
WOODFORD	7503	- 4748	7865	- 5110	----	362	SH	
DEVONIAN	7865	- 5110	8355	- 5600	490	490	LS	
SILURIAN	8355	- 5600	8610	- 5855	----	255	SH	
FUSSELMAN	8610	- 5855	8800	- 6045	190	190	LS	
MONTOYA	8800	- 6045	9145	- 6390	345	345	LS	
SIMPSON	9145	- 6390	10420	- 7665	----	1275	LS, SH, SD	
ELLENBURGER	10420	- 7665	10671	- 7916	251+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 16A12                      ELEVATION : 2640                      TOTAL DEPTH : 11715  
 OPERATOR : GULF OIL CORP.                      WELL : NO. 544 HUTCHINS STOCK ASSN.  
 LOCATION : 1980 FNL, 1980 FWL                      SEC: 2                      TNSP : 0000                      RNG :                      SUR : G+MMB+A

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	620	2020	980	1660	50	360	SH, SD	EST
SANTA ROSA	800	1840	870	1770	40	70	SD	EST
RUSTLER-SALADO	1122	1518	2409	231	----	1287	ANHY, SLT	
YATES	2409	231	2640	0	----	231	SO, SH	
WHITEHORSE GROUP	2409	231	3790	- 1150	----	1381	LS, ANHY, SO	
SAN ANDRES	3790	- 1150	4857	- 2217	----	1067	LS, DOL	EST
GLORIETA EQV	4857	- 2217	4975	- 2335	----	118	SO, DOL	
CLEAR FORK	4975	- 2335	6410	- 3770	----	1435	DOL	
WICHITA	6410	- 3770	7108	- 4468	----	698	DOL, SH	
WOLFCAMP	7108	- 4468	7970	- 5330	500	862	LS, DTR, SH	
PENNSYLVANIAN	7970	- 5330	9495	- 6855	1120	1525	LS, SH	
MISSISSIPPIAN	9495	- 6855	10532	- 7892	560	1037	LS, SH	
BARNETT	9495	- 6855	9845	- 7205	----	350	SH	
MISS. LS	9845	- 7205	10532	- 7892	----	687	LS	
WOODFORD	10532	- 7892	10862	- 8222	----	330	SH	
DEVONIAN	10862	- 8222	11269	- 8629	407	407	LS	
SILURIAN	11269	- 8629	11523	- 8883	----	254	SH	
FUSSELMAN	11523	- 8883	11686	- 9046	163	163	LS	
MONTOYA	11686	- 9046	11715	- 9075	29*		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YX - WARU      WELL ID NO. : 16A13      ELEVATION : 2621      TOTAL DEPTH : 13102  
 OPERATOR : GULF OIL CORP.      WELL : NO. 1-E SEALY SMITH  
 LOCATION : 1980 FSL, 1980 FEL      SEC: 81      TNSP : 000A      RNG :      SUR : G+MMB+A

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	65	2556	666	1955	55	601	SH, SD	EST
SANTA ROSA	162	2459	382	2239	45	220	SD, SH	EST
RUSTLER-SALADO	844	1777	2329	292	----	1485	ANHY, SLT	
YATES	2329	292	2498	123	----	169	SD, SH	
WHITEHORSE GROUP	2329	292	3840	- 1219	----	1511	LS, ANHY, SD	
SAN ANDRES	3840	- 1219	4765	- 2144	----	925	LS, DOL	EST
GLORIETA	4765	- 2144	4970	- 2349	----	205	DOL, SD	
CLEAR FORK	4970	- 2349	6280	- 3659	----	1310	DOL, SH	
WICHITA	6280	- 3659	6955	- 4334	----	675	SH, DOL	
WOLFCAMP	6955	- 4334	7920	- 5299	550	965	LS, SH, DTR	
PENNSYLVANIAN	7920	- 5299	8595	- 5974	380	675	LS, SH	
MISSISSIPPIAN	8595	- 5974	9675	- 7054	450	1080	LS, SH	
BARNETT	8595	- 5974	8990	- 6369	----	395	SH	
MISS. LS	8990	- 6369	9675	- 7054	----	685	LS	
WOODFORD	9675	- 7054	10092	- 7471	----	417	SH	
DEVONIAN	10092	- 7471	10420	- 7799	328	328	LS	
SILURIAN	10420	- 7799	10691	- 8070	----	271	SH	
FUSSELMAN	10691	- 8070	10873	- 8252	182	182	LS	
MONTOYA	10873	- 8252	11350	- 8729	477	477	LS	
SIMPSON	11350	- 8729	12640	- 10019	----	1290	SH, LS, SD	



WELL ID NO. : 16A17

CONTINUED

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
ELLENSBURGER	12640	-10019	13102	-10481	462+		DOL	TD

REMARKS  
SANTA ROSA TOP IS QUESTIONABLE. SAND IN UPPER PART OF TRIAS. MAY NOT BE CORRELATIVE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 16A19                      ELEVATION : 2544                      TOTAL DEPTH : 10550  
 OPERATOR : BRITISH-AMERICAN                      WELL : NO.1 E.J. MARSTON  
 LOCATION : 660 FNL, 1980 FWL                      SEC: 10                      TNSP : B-19                      RNG :                      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	68	2476	537	2007	30	469	SH, SD	EST
SANTA ROSA	112	2432	340	2204	25	228	SD, SH	EST
RUSTLER-SALADO	340	2204	2028	516	----	1688	ANHY, SLT	
YATES	2028	516	2172	372	----	144	SD, SH	
WHITEHORSE GROUP	2028	516	3555	- 1011	----	1527	LS, SH, ANHY	
SAN ANDRES	3555	- 1011	4335	- 1791	----	780	LS, DOL	
GLORIETA EQV	4335	- 1791	4522	- 1978	----	187	SD, DOL	
CLEAR FORK	4522	- 1978	5808	- 3264	----	1286	DOL	
WICHITA	5808	- 3264	6355	- 3811	----	547	DOL, SH	
WOLFCAMP	6355	- 3811	7082	- 4538	400	727	LS, SH, DTR	
PENN.-UPPER MISS.	7082	- 4538	7082	- 4538	----	0		UNC
MISS. LS	7082	- 4538	7411	- 4867	170	329	LS, SH	
WOODFORD	7411	- 4867	7620	- 5076	----	209	SH	
DEVONIAN	7620	- 5076	8235	- 5691	615	615	LS	
SILURIAN	8235	- 5691	8480	- 5936	----	245	SH	
FUSSELMAN	8480	- 5936	8641	- 6097	161	161	LS	
MONTOYA	8641	- 6097	9048	- 6504	407	407	LS	
SIMPSON	9048	- 6504	10355	- 7811	----	1307	SD, SH, LS	
ELLENBURGER	10355	- 7811	10550	- 8006	195+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 10842                      ELEVATION : 2566                      TOTAL DEPTH : 13704  
 OPERATOR : STD. OF TEXAS                      WELL : NO.1-E J.F. YORK  
 LOCATION : 660 FNWL, 660 FSWL                      SEC: 10                      TNSP : 0034                      RNG :                      SUR : H+TC

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	640	1924	1097	1469	93	457	SH, SD	EST
SANTA ROSA	920	1646	1098	1468	18	178	SH, SD	EST
RUSTLER-SALADO	1185	1381	2240	326	----	1055	ANH, SLT, DOL	
YATES	2240	326	2410	156	----	170	SD, SH	
WHITEHORSE GROUP	2240	326	3888	- 1322	----	1648	LS, SD, SH	
SAN ANDRES	3888	- 1322	4568	- 2002	----	680	LS, UOL	
LEONARD	4568	- 2002	6375	- 3809	----	1807	DOL, SH, SD	
WOLFCAMP	6375	- 3809	7905	- 5339	880	1530	LS, SH, DTR	
PENNSYLVANIAN	7905	- 5339	8652	- 6086	440	747	LS, SH	
MISSISSIPPIAN	8652	- 6086	9780	- 7214	500	1128	SH, LS	
BARNETT	8652	- 6086	9150	- 6584	----	498	SH	
MISS. LS	9150	- 6584	9780	- 7214	----	630	LS	
WOODFORD	9780	- 7214	10090	- 7524	----	310	SH	
DEVONIAN	10090	- 7524	10566	- 8000	476	476	LS, CHT	
SILURIAN	10566	- 8000	10820	- 8254	----	254	SH	
FUSSELMAN	10820	- 8254	10960	- 8394	140	140	LS	
MONTÓYA	10960	- 8394	11498	- 8932	538	538	LS	
SIMPSON	11498	- 8932	13010	-10444	----	1512	LS, SH, SD	
ELLENBURGER	13010	-10444	13704	-11138	694+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 16857                      ELEVATION : 2605                      TOTAL DEPTH : 14100  
 OPERATOR : GULF OIL CORP.                      WELL : NO.166 ESTES  
 LOCATION : 660 FSWL, 1980 FSEL                      SEC: 38                      TNSP : 0034                      RANG :                      SUR : H+TC

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	675	1930	1140	1465	80	465	SH, SD	EST
SANTA ROSA	920	1885	1070	1535	30	150	SH, SD	EST
RUSTLER-SALADO	1275	1330	2250	355	----	975	ANH,SLT,DOL	
YATES	2250	355	2416	189	----	166	SD, SH	
WHITEHORSE GROUP	2250	355	3832	- 1227	----	1582	LS, SH, SD	
SAN ANDRES EQV	3832	- 1227	4672	- 2067	----	840	DOL, SH	
LEONARD	4672	- 2067	6510	- 3905	----	1838	DOL, SH	
WOLFCAMP	6510	- 3905	8010	- 5405	810	1500	LS, SH, DTR	
PENNSYLVANIAN	8010	- 5405	9695	- 7090	960	1685	LS, SH	
MISSISSIPPIAN	9695	- 7090	10670	- 8065	400	975	SH, LS	
BARNETT	9695	- 7090	10040	- 7435	----	345	SH	
MISS. LS	10040	- 7435	10670	- 8065	----	630	LS	
WOODFORD	10670	- 8065	10985	- 8380	----	315	SH	
DEVONIAN	10985	- 8380	11400	- 8795	415	415	LS, CHT	
SILURIAN	11400	- 8795	11620	- 9015	----	220	SH	
FUSSELMAN	11620	- 9015	11810	- 9205	190	190	LS	
MONTOYA	11810	- 9205	12300	- 9695	490	490	LS	
SIMPSON	12300	- 9695	13666	-11061	----	1366	LS, SH, SD	
ELLENBURGER	13666	-11061	14100	-11495	434*		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : YX - WARD                      WELL ID NO. : 16860                      ELEVATION : 2506                      TOTAL DEPTH : 8200  
 OPERATOR : SKELLY OIL CO.                      WELL : NO.1 W.E. CRUMP  
 LOCATION : 1980 FNWL, 1980 FSWL                      SEC: 2                      TNSP : 0034                      RRG :                      SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	230	2276	695	1811	72	465	SH, SD	EST
SANTA ROSA	548	1958	695	1811	20	147	SD, SH	EST
RUSTLER-SALADO	795	1711	2224	282	----	1429	ANHY, SLT	
YATES	2224	282	2365	141	----	141	SD, SH	
WHITEHORSE GROUP	2224	282	3850	- 1344	----	1626	LS, SD	
SAN ANDRES	3850	- 1344	4510	- 2004	----	660	LS, DOL	EST
GLORIETA	4510	- 2004	4570	- 2064	----	60	SD, DOL	
CLEAR FORK	4570	- 2064	5960	- 3454	----	1390	DOL, SH	
WICHITA	5960	- 3454	6445	- 3939	----	485	SH, DOL	
WOLFCAMP	6445	- 3939	7365	- 4859	550	920	LS, SH	
PENNSYLVANIAN	7365	- 4859	7720	- 5214	100	355	SH, LS	
MISSISSIPPIAN (BARN)	7720	- 5214	7799	- 5293	10	79	SH	
WOODFORD	7799	- 5293	8010	- 5504	----	211	SH	
DEVONIAN	8010	- 5504	8200	- 5694	190+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : YX - WARD      WELL ID NO. : 16893      ELEVATION : 2465      TOTAL DEPTH : 10595  
 OPERATOR : GULF OIL CORP      WELL : NO.1-E BRAY  
 LOCATION : 1980 FSEL, 1980 FSEL      SEC: 14      TNSP : 0005      RNG :      SUR : M+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	215	2250	500	1965	82	285	SH, SD	EST
SANTA ROSA	338	2127	500	1965	22	162	SD, SH	
RUSTLER-SALADO	580	1885	2005	460	----	1425	ANHY, SLT	
YATES	2005	460	2200	265	----	195	SD, SH	
WHITEHORSE GROUP	2005	460	3340	- 875	----	1335	LS, SD	
SAN ANDRES	3340	- 875	3975	- 1510	----	635	LS, SD	
GLOBIETA	3975	- 1510	4040	- 1575	----	65	SD, DOL	
CLEAR FORK	4040	- 1575	5230	- 2765	----	1190	DOL, SH	
WICHITA	5230	- 2765	5930	- 3465	----	700	SH, DOL	
WOLFCAMP	5930	- 3465	6685	- 4220	350	755	LS, SH	
PENN.-UPPER MISS.	6685	- 4220	6685	- 4220	----	0		UNC
MISSISSIPPIAN (LS)	6685	- 4220	6890	- 4425	50	205	LS, SH	ERD
WOODFORD	6890	- 4425	7015	- 4550	----	125	SLT, SH	
DEVONIAN	7015	- 4550	7935	- 5470	920	920	LS, CHT	
SILURIAN	7935	- 5470	8155	- 5690	----	220	SH	
FUSSELMAN	8155	- 5690	8290	- 5825	135	135	LS	
MONTANA	8290	- 5825	8727	- 6262	437	437	LS	
SIMPSON	8727	- 6262	10300	- 7835	----	1573	LS, SH, SD	
FILENBURGER	10300	- 7835	10594	- 8129	294	294	DOL	
BASEMENT	10594	- 8129	10595	- 8130	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 11D40      ELEVATION : 3132      TOTAL DEPTH : 11717  
 OPERATOR : I.W. LOVELADY      WELL : NO.1 M.K. EVANS  
 LOCATION : 660 FSL. 660 FEL      SEC: 10      TNSP : A-56      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUR-SEA	DEPTH	SUB-SEA				
TRIASSIC	440	2692	1350	1782	185	910	SH, SD	EST
SANTA ROSA	885	2247	1122	2010	105	237	SD, SH	
RUSTLER	1530	1602	3039	93	----	1509	ANHY	
YATES	3039	93	3180	- 48	----	141	SD, SH	
WHITEHORSE GROUP	3039	93	4568	- 1436	----	1529	LS, SD, ANHY	
SAN ANDRES	4568	- 1436	6174	- 3042	----	1606	LS, DOL	
GLORIETA EQV	6174	- 3042	6322	- 3190	----	148	SD, DOL	
LEONARD (CF EQV)	6322	- 3190	7555	- 4423	----	1232	DOL, SH	
WICHITA	7555	- 4423	8960	- 5828	----	1405	DOL, SH	
WOLFCAMP	8960	- 5828	9660	- 6528	140	700	LS, DTR, SH	
PENNSYLVANIAN	9660	- 6528	10560	- 7428	90	900	SH, LS	
MISSISSIPPIAN	10560	- 7428	11090	- 7958	430	530	LS	
WOODFORD	11090	- 7958	11600	- 8468	----	510	SH	
DEVONIAN	11600	- 8468	11717	- 8585	117*		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 15A8      ELEVATION : 2860      TOTAL DEPTH : 18489  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO.1 HENDRICK  
 LOCATION : 1980 FSL, 1980 FEL      SEC: 34      TNSP : 0027      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	1084	1776	1840	1020	117	756	SH, SD	EST
SANTA ROSA LUV	1665	1195	1800	1060	47	135	SH, SD	EST
RUSTLER-SALADO	1962	898	5005	- 2145	----	3043	ANH,SLT,DOL	
DELAWARE MTN. GROUP	5005	- 2145	8770	- 5910	----	3765	SD, SH	
LEONARD (HONE SPRING)	8770	- 5910	11618	- 8758	----	2848	LS, SH	
WOLFCAMP	11618	- 8758	12260	- 9400	0	642	SH	
PENNSYLVANIAN	12260	- 9400	15375	-12515	980	3115	LS, SH	
MISSISSIPPIAN	15375	-12515	17274	-14414	360	1899	SH, LS	
BARNETT	15375	-12515	16810	-13950	----	1435	SH	
MISS. LS	16810	-13950	17274	-14414	----	464	LS	
WOODFORD	17274	-14414	17958	-15098	----	684	SH	
DEVONIAN	17958	-15098	18010	-15150	42	52	LS	
SILURIAN	18010	-15150	18350	-15490	----	340	SH	
FUSSELMAN	18350	-15490	18489	-15629	139+		LS	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : 2P - WINKLER      WELL ID NO. : 15A11      ELEVATION : 2823      TOTAL DEPTH : 22101  
 OPERATOR : SINCLAIR      WELL : NO.1-11 UNIVERSITY  
 LOCATION : 1320 FNL, 1320 FWL      SEC: 11      TNSP : 0020      RNG :      SUR : UNIVERSITY LANDS

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	215	2608	600	2223	0	385	SH	EST
RUSTLER-SALADO	770	2053	5096	- 2273	----	4326	ANH,SLT,DOL	
DELAWARE Mtn. GROUP	5096	- 2273	8740	- 5917	----	3644	SD, SH, LS	
LEONARD	8740	- 5917	12090	- 9267	----	3350	SH, LS	
WOLFCAMP	12090	- 9267	14204	-11381	80	2114	SH	
PENNSYLVANIAN	14204	-11381	14978	-12155	250	774	LS, SH	
MISSISSIPPIAN	14978	-12155	17570	-14747	410	2592	SH, LS	
PARNETT	14978	-12155	16990	-14167	----	2012	SH	
MISS. LS	16990	-14167	17570	-14747	----	580	LS	
WOODFORD	17570	-14747	18263	-15440	----	693	SH	
DEVONIAN	18263	-15440	18370	-15547	107	107	LS	
SILURIAN	18370	-15547	18668	-15845	----	298	SH	
FUSSELMAN	18668	-15845	19040	-16217	372	372	LS	
MONTOYA	19040	-16217	19650	-16827	610	610	LS, DOL	
SIMPSON	19650	-16827	20855	-18032	----	1205	SH, SD, LS	
ELLENBURGER	20855	-18032	22050	-19227	195	1195	DOL	
PRE-CAMBRIAN	22050	-19227	22101	-19278	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 15A13      ELEVATION : 2796      TOTAL DEPTH : 8010

OPERATOR : TEXACO INC.      WELL : NO.1-EC STATE OF TEXAS

LOCATION : 660 FNL, 660 FEL      SEC: 23      TNSP : 0021      RNG :      SUR : UNIVERSITY LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CAPITAN REEF	3200	- 404	5140	- 2344	----	1940	LS EST	ABV
DELAWARE MTN. GROUP	5140	- 2344	7725	- 4929	----	2585	SD, LS, SH	
LEONARD	7725	- 4929	8010	- 5214	----		SH, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER WELL ID NO. : 15A14 ELEVATION : 2736 TOTAL DEPTH : 10216

OPERATOR : RALPH LOWE WELL : NO.1-C UNIVERSITY

LOCATION : 1980 FSL, 1980 FEL SEC: 38 TNSP : 0002 RNG : SUR : UNIVERSITY LANDS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CAPITAN REEF	2775	- 39	4560	- 1824	----	1785	LS	EST
DELAWARE MTN. GROUP	4560	- 1824	7545	- 4809	----	2985	SD, LS, SH	
LEONARD	7545	- 4809	10216	- 7480	----		SH, LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 15A15      ELEVATION : 2728      TOTAL DEPTH : 7696  
 OPERATOR : MAGNOLIA PETR. CO.      WELL : NO.B 1-17 SEALY  
 LOCATION : 660 FSL, 660 FEL      SEC: 71      TNSP : 000F      RANG :      SUR : G+MMB+A

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SFA		SUB-SEA				
TRIASSIC	1510	1218	1938	790	0	428	SH	EST
RUSTLER-SALADO	2078	650	3342	- 614	----	1204	ANHY, DOL	EST
YATES	3342	- 614	3535	- 807	----	193	SD, SH, LS	
CAPITAN REEF	3535	- 807	4970	- 2242	----	1435	LS	
DELAWARE MTN. GROUP	4970	- 2242	7310	- 4582	----	2340	SD, LS, SH	
LEONARD	7310	- 4582	7696	- 4968	----		LS, SH	TD

TEXAS WATER DEVELOPMENT BOARD - GROUND WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 15A19      ELEVATION : 2863      TOTAL DEPTH : 14720  
 OPERATOR : PAN AMERICAN PETR.      WELL : NO.1-G HENDRICK OPER. AREA  
 LOCATION : 810 FSL, 660 FEL      SEC: 30      TNSP : 0026      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
LEONARD	6730	- 3867	8920	- 6057	----	2190	SH, LS	EST
WOLFCAMP	8920	- 6057	9690	- 6827	510	770	SH	EST
PENNSYLVANIAN	9690	- 6827	10730	- 7867	640	1040	LS, SH	EST
MISSISSIPPIAN	10730	- 7867	11610	- 8747	350	880	SH, LS	
BARNETT	10730	- 7867	11175	- 8312	----	445	SH	
MISS. LS	11175	- 8312	11610	- 8747	----	435	LS	
WOODFORD	11610	- 8747	12196	- 9333	----	586	SH	
DEVONIAN	12196	- 9333	12240	- 9377	44	44	LS	
SILURIAN	12240	- 9377	12414	- 9551	----	174	SH	
FUSSELMAN	12414	- 9551	12802	- 9939	388	388	LS	
MONTOYA	12802	- 9939	13250	-10387	448	448	LS, DOL	
SIMPSON	13250	-10387	14398	-11533	----	1146	SH, LS, SD	
ELLENBURGER	14396	-11533	14720	-11867	324+		DOL	TD

REMARKS  
 LOG BEGINS AT 5200 FT. LEONARD AND WOLFCAMP TOPS ARE QUESTIONABLE.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 15A22      ELEVATION : 2702      TOTAL DEPTH : 16970  
 OPERATOR : GULF OIL CORP.      WELL : NO. 880 OBRIEN  
 LOCATION : 660 FSL, 1980 FEL      SEC: 12      TNSP : 000F      RNG :      SUR : G+MMBA+A

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	492	2210	920	1782	85	428	SH, SD	EST
SANTA ROSA	760	1942	900	1802	45	140	SD, SH	EST
RUSTLER-SALADO	1004	1698	2640	62	----	1636	ANH, SLT, DOL	
GUADALUPE (T. YATES)	2640	62	5200	- 2498	----	2560	LS, SD, SH	
CAPITAN REEF	3840	- 1130	3975	- 1273	----	135	LS	
LEONARD	5200	- 2498	7450	- 4748	----	2250	LS, SH	
WOLFCAMP	7450	- 4748	10080	- 7378	2200	2630	LS, SH, DTR	EST
PENNSYLVANIAN	10080	- 7378	11400	- 8698	1050	1320	LS, DTR	EST
MISSISSIPPIAN	11400	- 8698	12855	-10153	400	1455	SH, LS	
BARNETT	11400	- 8698	12070	- 9368	----	670	SH	
MISS. LS	12070	- 9368	12855	-10153	----	785	LS	
WOODFORD	12855	-10153	13370	-10668	----	515	SH	
DEVONIAN	13370	-10668	13695	-10993	325	325	LS	
SILURIAN	13695	-10993	13990	-11288	----	295	SH	
FUSSELMAN	13990	-11288	14290	-11588	300	300	LS	
MONTUYA	14290	-11588	14785	-12083	505	495	LS, DOL	
SIMPSON	14785	-12083	16048	-13346	----	1263	SH, LS, SD	
ELLENBURGER	16048	-13346	16920	-14218	872	872	DOL	
PHE-CAMBRIAN	16920	-14218	16970	-14268	----		GRT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 15A34      ELEVATION : 2921      TOTAL DEPTH : 22180  
 OPERATOR : STNCIATR      WELL : NO.1 TUBB ESTATE  
 LOCATION : 660 FSL, 1980 FWI      SEC: 25      TNSP : C-23      RNG 1      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	40	2881	630	2291	0	590	SH	EST
RUSTLER-SALADO	720	2201	4850	- 1929	----	4130	ANH, SLT, DOL	
DELAWARE MIN. GROUP	4850	- 1929	8520	- 5599	----	3670	SD, SH	
LEONARD (BONE SPRING)	8520	- 5599	11735	- 8814	----	3215	LS, SH, SU	
WOLFCAMP	11735	- 8814	12705	- 9784	100	970	SH, LS	
PENNSYLVANIAN	12705	- 9784	16150	-13229	1050	3445	LS, SH	
MISSISSIPPIAN	16150	-13229	18318	-15397	420	2168	SH, LS	
BARNETT	16150	-13229	17860	-14939	----	1710	SH	
MISS. LS	17860	-14939	18318	-15397	----	458	LS	
WOODFORD	18318	-15397	18732	-15811	----	414	SH	
DEVONIAN	18732	-15811	19205	-16284	473	473	LS, CHT	
FUSSELMAN	19205	-16284	19900	-16979	695	695	LS, DOL	
MONTOYA	19900	-16979	20460	-17539	560	560	LS, DOL	
SIMPSON	20460	-17539	21500	-18579	----	1040	SH, LS, SU	
ELLENBURGER	21500	-18579	22180	-19259	680+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : 2P - WINKLER      WELL ID NO. : 15A35      ELEVATION : 2889      TOTAL DEPTH : 14219  
 OPERATOR : GETTY OIL CO.      WELL : NO.1 HENDERSON DEEP UNIT  
 LOCATION : 2080 PSL, 1980 FWL      SEC: 34      TNSP : 0074      RNG :      SUR : PSL

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUR-SEA	DEPTH	SUR-SEA	DEPTH				
TRIASSIC	128	2761	1045	1844		0	917	SH	EST
RUSTLER-SALADO	1220	1669	2780	109		----	1560	ANH,SLT,DOL	
YATES	2780	109	2930	- 41		----	150	SD, SH	
GUADALUPE	2780	109	5280	- 2391		----	2500	LS,SD BASE	EST
CAPITAN REEF	3800	- 911	5280	- 2391		----	1480	LS	
LEONARD	5280	- 2391	9005	- 6116		----	3725	LS, DTR, SH	
WOLFCAMP	7840	- 4951	10160	- 7271	1900		2320	LS,DOL,DTR	EST
PENNSYLVANIAN	10160	- 7271	11755	- 8866	1300		1595	LS, DTR	
MISSISSIPPIAN	11755	- 8866	12930	-10041	380		1175	SH, LS	
BARNETT	11755	- 8866	12338	- 9449		----	583	SH	
MISS. LS	12338	- 9449	12930	-10041		----	592	LS	
WOODFORD	12930	-10041	13470	-10581		----	540	SH	
DEVONIAN	13470	-10581	13650	-10761	180		180	LS	
SILURIAN	13650	-10761	13958	-11069		----	308	SH, LS	
FUSSELMAN	13958	-11069	14219	-11330	261+			LS, DOL	TD



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 16A48      ELEVATION : 3073      TOTAL DEPTH : 9971  
 OPERATOR : GULF OIL CORP.      WELL : NO.1-C ELIZABETH HARDIE  
 LOCATION : 660 FSL, 660 FWL      SEC: 20      TNSP : 000C      RNG :      SUR : G+MMB+A

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUR-SEA	DEPTH	UR-SEA				
TRIASSIC	165	2908	1100	1973	175	935	SH, SD	EST
SANTA ROSA	722	2351	1020	2053	95	298	SD, SH	
RUSTLER-SALADO	1225	1848	2780	293	----	1555	ANHY, SLT	
YATES	2780	293	2940	133	----	160	SH, SH	
WHITEHORSE GROUP	2780	293	4466	- 1393	----	1686	LS, ANHY, SD	
SAN ANDRES	4466	- 1393	5614	- 2541	----	1148	LS, DOL	
GLORIETA EQV	5614	- 2541	5780	- 2707	----	166	SD, DOL	
CLEAR FORK	5780	- 2707	7145	- 4072	----	1365	DOL	
WICHITA	7145	- 4072	8365	- 5292	----	1220	DOL, SH	EST
WOLFCAMP	8365	- 5292	8464	- 5391	10	99	DTR	EST
PENN. - U. MISS.	8464	- 5391	8464	- 5391	----	0		UNC
MISSISSIPPIAN (BARN.)	8464	- 5391	8718	- 5645	----	254	SH	ERD
MISS. LS	8718	- 5645	9270	- 6197	390	552	LS	
WOODFORD	9270	- 6197	9794	- 6721	----	524	SH	
DEVONIAN	9794	- 6721	9971	- 6898	197		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 16A49      ELEVATION : 3074      TOTAL DEPTH : 11385  
 OPERATOR : HUMBLE OIL AND REF.      WELL : NO-R WADDELL BROS.  
 LOCATION : 2310 FNL, 2310 FWL      SEC: 18      TNSP : 08-1      RNG :      SUR : PSL

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	135	2939	1157	1917	197	1022	SH, SD	EST
SANTA ROSA	834	2240	1040	2034	87	206	SD, SH	
RUSTLER-SALADO	1304	1770	2824	250	----	1520	ANHY, SLT	
YATES	2824	250	3058	16	----	234	SD, SH	
WHITEHORSE GROUP	2824	250	4530	- 1456	----	1706	LS, ANHY, SD	
SAN ANDRES	4530	- 1456	5621	- 2547	----	1091	LS, DOL	
GLORIETA EQV	5621	- 2547	5808	- 2734	----	187	DOL, SD	
CLEAR FORK	5808	- 2734	6945	- 3871	----	1137	DOL	
WICHITA	6945	- 3871	7905	- 4831	----	960	DOL, SH	EST
WOLFCAMP	7905	- 4831	8020	- 4946	75	115	LS, DTR	EST
PENNSYLVANIAN	8020	- 4946	8092	- 5018	30	72	LS, SH	EST
MISSISSIPPIAN	8092	- 5018	8640	- 5566	460	548	LS	
WOODFORD	8640	- 5566	9100	- 6026	----	460	SH	
DEVONIAN	9100	- 6026	9340	- 6266	240	240	LS	
SILURIAN	9340	- 6266	9674	- 6600	----	334	SH	
FUSSELMAN	9674	- 6600	9922	- 6848	248	248	LS	EST
MONTOYA	9922	- 6848	10310	- 7236	388	388	LS	
SIMPSON	10310	- 7236	11310	- 8236	----	1000	SD, SH, LS	
ELLENBURGER	11310	- 8236	11385	- 8311	75+		DOL	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 16A50      ELEVATION : 2987      TOTAL DEPTH : 11480  
 OPERATOR : GULF OIL CORP.      WELL : NO.253 KEYSTONE WATILE CO.  
 LOCATION : 660 FSL, 1980 FWL      SEC: 10      TNSP : 08-A      RNG :      SUR : PSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	140	2847	1013	1974	200	873	SH, SD	EST
SANTA ROSA	500	2487	824	2163	85	324	SD, SH	
RUSTLER-SALADO	1128	1859	2646	341	----	1518	ANHY, SLT	
YATES	2646	341	2885	102	----	239	SD, SH	
WHITEHORSE GROUP	2646	341	4295	- 1308	----	1649	LS, ANHY, SD	
SAN ANDRES	4295	- 1308	5482	- 2495	----	1187	LS, DOL	EST
GLORIETA EGV	5482	- 2495	5764	- 2777	----	282	SD, DOL	
CLEAR FORK	5764	- 2777	6868	- 3881	----	1104	DOL, SH	
WICHITA	6868	- 3881	7890	- 4903	----	1022	DOL, SH	
WOLFCAMP	7890	- 4903	7987	- 5000	70	97	DTR	
PENNSYLVANIAN	7987	- 5000	8092	- 5105	60	105	LS, SH	
MISSISSIPPIAN	8092	- 5105	8690	- 5703	490	598	LS, SH	
WOODFORD	8690	- 5703	9292	- 6305	----	602	SH	
DEVONIAN	9292	- 6305	9459	- 6472	167	167	LS	
SILURIAN	9459	- 6472	9610	- 6623	----	151	SH	
FUSSELMAN	9610	- 6623	9909	- 6922	299	299	LS	
MONTOYA	9909	- 6922	10385	- 7398	476	476	LS	
SIMPSON	10385	- 7398	11358	- 8371	----	973	LS, SD, SH	
ELLENBURGER	11358	- 8371	11480	- 8493	122+		DOL	TD

REMARKS  
 SANTA ROSA HAS APPARENT GOOD POROSITY

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZP - WINKLER      WELL ID NO. : 16A51      ELEVATION : 2835      TOTAL DEPTH : 10364  
 OPERATOR : JOE N CHAMPLIN      WELL : NO.1 G.P. MITCHELL  
 LOCATION : 660 FNL, 1980 FEL      SEC: 123      TNSP :      RNG :      SUR : SF 9336 AH BIRCHFIELD

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	192	2643	804	2031	175	612	SH, SD	EST
SANTA ROSA	294	2541	625	2210	75	331	SD, SH	
RUSTLER-SALADO	970	1865	2532	303	----	1562	ANHY, SLT	
YATES	2532	303	2755	80	----	223	SD, SH	
WHITEHORSE GROUP	2532	303	4100	- 1265	----	1568	LS, ANHY, SD	
SAN ANDRES	4100	- 1265	5209	- 2374	----	1109	LS, DOL	
GLORIETA	5209	- 2374	5487	- 2652	----	278	DOL, SD	
CLEAR FORK	5487	- 2652	6620	- 3785	----	1133	DOL	
WICHITA	6620	- 3785	7845	- 5010	----	1225	DOL, SH	
WOLFCAMP	7845	- 5010	8085	- 5250	130	240	LS, DTR	EST
PENNSYLVANIAN	8085	- 5250	9129	- 6294	420	1044	LS, SH	EST
MISSISSIPPIAN	9129	- 6294	9700	- 6865	460	571	LS	
WOODFORD	9700	- 6865	10190	- 7355	----	490	SH	
DEVONIAN	10190	- 7355	10364	- 7529	174+		LS	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZI - YUAKUM                      WELL ID NO. : 1186                      ELEVATION : 3704                      TOTAL DEPTH : 11476  
 OPERATOR : WILLIAMSON ET AL                      WELL : NO.1 WEBB  
 LOCATION : 853 FSL, 1980 FWL                      SEC: 423                      TNSP : 0000                      RNG :                      SUR : J. H. GIBSON

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	430	3274	2153	1551	312	1723	SH, SD	EST
SANTA ROSA	1862	1842	2119	1585	107	257	SD, SH	
RUSTLER	2256	1448	3063	641	----	807	ANHY	
YATES	3063	641	3220	484	----	157	SD, SH	
WHITEHORSE GROUP	3063	641	4494	- 790	----	1431	LS, ANHY, SD	
SAN ANDRES	4494	- 790	5983	- 2279	----	1489	LS, DOL, SD	
GLORIETA	5983	- 2279	6075	- 2371	----	92	DOL, SD	
CLEAR FORK	6075	- 2371	7738	- 4034	----	1663	DOL	
TUBB	7080	- 3376	7268	- 3564	----	188	SD, DOL	
ABO	7738	- 4034	9080	- 5376	----	1342	DOL, SH	
WOLFCAMP	9080	- 5376	10610	- 6906	400	1530	LS, DTR	EST
PENNSYLVANIAN	10610	- 6906	10760	- 7056	520	150	SH, LS	ERD
MISSISSIPPIAN	10760	- 7056	11417	- 7713	550	657	LS	
WOODFORD	11417	- 7713	11458	- 7754	----	41	SH	
SILURO-DEVONIAN	11458	- 7754	11476	- 7772	18+		LS, GHT	TD

REMARKS  
 THERE APPEARS TO BE AN UNCONFORMITY BETWEEN THE WOLFCAMP AND LOWER PENN.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZI - YOAKUM                      WELL ID NO. : 1187                      ELEVATION : 3632                      TOTAL DEPTH : 11200  
 OPERATOR : SOCONY MOBIL                      WELL : NO.1 LOUISE SHEPPARD  
 LOCATION : 660 FNL, 1980 FEL                      SEC: 703                      TNSP : 0000                      RNG :                      SUR : J.H. GIBSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	330	3302	2104	1528	225	SH, SD	EST
SANTA ROSA	1832	1800	2045	1587	120	SD, SH	
RUSTLER	2180	1452	3020	612	---	ANHY	
YATES	3020	612	3204	428	----	SD, SH	
WHITEHORSE GROUP	3020	612	4510	- 878	----	LS, ANHY, SD	
SAN ANDRES	4510	- 878	5990	- 2358	----	LS, DOL	
GLORIETA	5990	- 2358	6090	- 2458	----	DOL, LS	
CLEAR FORK	6090	- 2458	7660	- 4028	----	DOL	
TUBB	7083	- 3451	7260	- 3628	----	SD, DOL	
ABO	7660	- 4028	9065	- 5433	----	DOL, SH	
WOLFCAMP	9065	- 5433	9620	- 5988	620	555	LS, DTR, SH
PENNSYLVANIAN	9620	- 5988	10402	- 6770	350	782	SH, LS
MISSISSIPPIAN	10402	- 6770	11017	- 7385	615	615	LS
WOODFORD	11017	- 7385	11075	- 7443	----	58	SH
SILURO-DEVONIAN	11075	- 7443	11200	- 7568	25+		LS, CHT                      TO

REMARKS  
 POSSIBLE EXCELLENT POROSITY IN LOWER WOLFCAMP CARBONATES. UPPER TRIASSIC IS QUITE SANDY.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZI - YUAKUM      WELL ID NO. : 11816      ELEVATION : 3809      TOTAL DEPTH : 11897  
 OPERATOR : PENNZOIL      WELL : NO.1 WEAVER  
 LOCATION : 1980 FNL, 1600 FWL      SEC: 401      TNSP : 0000      RNG :      SUR : J.H. GIBSON

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	428	3381	2240	1569	400	1812	SH, SD	EST
SANTA ROSA	1965	1844	2196	1613	152	231	SD, SH	
RUSTLER	2324	1485	3151	658	----	827	ANHY	
YATES	3151	658	3313	496	----	162	SD, SH	
WHITEHORSE GROUP	3151	658	4572	- 763	----	1421	LS, ANHY, SD	
SAN ANDRES	4572	- 763	6023	- 2214	----	1451	LS, DOL	
GLORIETA	6023	- 2214	6113	- 2304	----	90	DOL, SD	
CLEAR FORK	6113	- 2304	7902	- 4093	----	1789	DOL	
TUBB	7241	- 3432	7427	- 3618	----	186	SD, DOL	
ABO	7902	- 4093	9219	- 5410	----	1317	DOL	
WOLFCAMP	9219	- 5410	10742	- 6933	840	1523	LS, DTR, SH	
PENNSYLVANIAN	10742	- 6933	11200	- 7391	110	458	LS, SH	ERD
MISSISSIPPIAN	11200	- 7391	11840	- 8031	640	640	LS	
WOODFORD	11840	- 8031	11885	- 8076	----	45	SH	
SILURO-DEVONIAN	11885	- 8076	11897	- 8088	12*		LS, CHT	TD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : ZI - YUAKUM      WELL ID NO. : 11817      ELEVATION : 3665      TOTAL DEPTH : 5413  
 OPERATOR : LARIO OIL AND GAS CO.      WELL : NO.1 BURKE-FITZGERALD  
 LOCATION : 660 FSL, 660 FEL      SEC: 375      TNSP : 0000      RNG :      SUR : J.H. GIBSON

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
TRIASSIC	390	3275	2340	1325	315	1950	SH, SD	EST
SANTA ROSA	2027	1638	2269	1396	100	242	SD, SH	
RUSTLER	2459	1206	3209	456	----	750	ANHY	
YATES	3209	456	3352	313	----	143	SD, SH	
WHITEHORSE GROUP	3209	456	4620	- 955	----	1411	LS, ANHY, SD	
SAN ANDRES	4620	- 955	5413	- 1744	----		LS, DOL	TO



TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC., E AND C DEPT.

JUN 1971

COUNTY : ZI - YUAKUM      WELL ID NO. : 11818      ELEVATION : 3722      TOTAL DEPTH : 12561  
 OPERATOR : AMERADA PETR. CO.      WELL : NO.1 ARMSTRONG  
 LOCATION : 1980 FEL, 670 FSL      SEC: 276      TNSP : 0000      RNG :      SUR : J.H. GIBSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	423	3299	2260	1462	299	1837	SH, SD	EST
SANTA ROSA	2020	1702	2216	1506	129	196	SD, SH	
RUSTLER	2366	1356	3167	555	----	801	ANHY	
YATES	3167	555	3309	413	----	142	SD, SH	
WHITEHORSE GROUP	3167	555	4550	- 828	----	1383	LS, ANHY, SD	
SAN ANDRES	4550	- 828	6091	- 2369	----	1541	LS, DOL	
GLORIETA	6091	- 2369	6186	- 2464	----	95	DOL, SD	
CLEAR FORK	6186	- 2464	7908	- 4186	----	1722	DOL	
TUBB	7235	- 3513	7439	- 3712	----	199	SD, DOL	
ABO	7908	- 4186	9432	- 5710	----	1524	DOL, SH	
WOLFCAMP	9432	- 5710	10880	- 7158	750	1448	SH, DTR, LS	EST
PENNSYLVANIAN	10880	- 7158	11580	- 7858	180	700	LS, SH	EST
MISSISSIPPIAN	11580	- 7858	12388	- 8666	610	808	LS	
WOODFORD	12388	- 8666	12420	- 8698	----	32	SH	
SILURO-DEVONIAN	12420	- 8698	12501	- 8779	81*		LS, CHT	TD

REMARKS  
 WOLFCAMP AND PENN. TOPS ARE QUESTIONABLE DUE TO LACK OF PALEO.

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY - GEOLOGICAL DATA SHEET  
 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : ZI - YUAKUM      WELL ID NO. : 11853      ELEVATION : 3489      TOTAL DEPTH : 13410  
 OPERATOR : A-R. DILLARD      WELL : NO.1 McDONALD  
 LOCATION : 660 FNL, 660 FWL      SEC: 623      TNSP : 0      RRG :      SUR : J.H. GIBSON

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WHITEHORSE GROUP	3495	- 6	5080	- 1591	----	1585	ANHY,SH	
SAN ANDRES	5080	- 1591	6140	- 2651	----	1060	LS,DOL	
CLEAR FORK	6390	- 2901	7800	- 4311	----	1410	DOL,SH	
WICHITA EQV.	7800	- 4311	9760	- 6271	----	1960	LS,SH,SD	EST
WOLFCAMP	9760	- 6271	11630	- 8141	280	1870	SH,LS	EST
PENNSYLVANIAN	11630	- 8141	12568	- 9079	330	938	LS,SH	EST
MISSISSIPPIAN	12568	- 9079	13002	- 9513	----	434	LS	
WOODFORD	13002	- 9513	13207	- 9718	----	205	SH	
SILURO-DEVONIAN	13207	- 9718	13410	- 9921	----		LS	TD