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*TEXAS
WATER
DEVELOPMENT
BOARD*



Report 157

*A SURVEY OF THE
SUBSURFACE SALINE WATER
OF TEXAS*

*VOLUME 5
GEOLOGIC WELL DATA
PANHANDLE*

September 1972

TEXAS WATER DEVELOPMENT BOARD

REPORT 157

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

**VOLUME 5
GEOLOGIC WELL DATA
PANHANDLE**

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)
ANHY, 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 : AK - ARMSTRONG WELL ID NO. : 1A60 ELEVATION : 3195 TOTAL DEPTH : 4674
 OPERATOR : PLACID OIL CO. WELL : NO.1 MATHESON
 LOCATION : SEC: 173 TNSP : 8-3 RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMARRON	1530	1665	2750	445	----	1220	SH, ANHY	
RED CAVE	2750	445	2965	230	----	215	SH, SD	
WICHITA	2965	230	3410	- 215	----	445	LS, SH	
WOLFCAMP	3410	- 215	4485	- 1290	240	1075	DOL	
PENNSYLVANIAN UND.	4485	- 1290	4650	- 1455	50	165	GRW, SD, SH	
MISS. - ELLENBURGER	4650	- 1455	4650	- 1455	----	0		UNC
PRE-CAMBRIAN	4650	- 1455	4674	- 1474	----		GRT	TD

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

JUN 1971

COUNTY : AK - AHMSTRONG WELL ID NO. : 1A61 ELEVATION : 2774 TOTAL DEPTH : 7017
 OPERATOR : HUNT TRUST WELL : NO.1 CATTLE
 LOCATION : 774 FEL, 953 FSL SEC: 125 TNSP : G-6 RNG : SUR : D+P

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA	DEPTH	SUB-SEA	DEPTH				
CLEAR FORK-CIMARRON	1585	1189	2905	- 131	---	1320	ANHY,SH,SD		
RED CAVE	2905	- 131	3130	- 356	---	225	SH,SD		
WICHITA	3130	- 356	3690	- 916	---	560	SH,LS		
WOLFCAMP	3690	- 916	4900	- 2126	360	1210	DOL,SH		
PENNSYLVANIAN	4900	- 2126	6590	- 3816	---	1690	SH, LS		
CISCO (VIRGIL)	4900	- 2126	5370	- 2596	140	470	SH, LS		
CANYON (MISSOURI)	5370	- 2596	5690	- 2916	90	320	SH, LS		
STRAWN (DES MOINES)	5690	- 2916	6590	- 3816	140	900	GRW,SD,SH		
MISSISSIPPIAN	6590	- 3816	6950	- 4176	95	360	LS,SH		
WOODFORD - ELLEN,	6950	- 4176	6950	- 4176	---	0			UNC
PRE-CAMBRIAN	6950	- 4176	7017	- 4243	---		GRT		TD

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

JUN 1971

COUNTY : AK - ARMSTRONG WELL ID NO. : 1A62 ELEVATION : 2691 TOTAL DEPTH : 7077
 OPERATOR : HUNT WELL : NO.4 RITCHIE
 LOCATION : 660 FSL, 660 FEL SEC: 122 TNSP : G-6 RNG : SUR : A+G

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CLEAR FORK-CIMARRON	1660	1031	2970	- 279	----	1310	SH, ANHY	
RED CAVE	2970	- 279	3180	- 489	----	210	SH, SD	
WICHITA	3180	- 489	3655	- 964	----	475	SH, LS	
WOLFCAMP	3655	- 964	4900	- 2209	360	1245	DOL, SH	
CISCO	4900	- 2209	5110	- 2419	130	210	LS, SH	
CANYON	5100	- 2409	5690	- 2999	200	590	LS, SH	
STRAWN	5690	- 2999	6485	- 3794	140	795	LS, SD, GRW	
MISSISSIPPIAN UND.	6485	- 3794	6800	- 4109	130	315	LS, SH	
PRE-CAMBRIAN	6800	- 4109	7077	- 4386	----		GRW, GRT	TD

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

JUN 1971

COUNTY : AK - ARMSTRONG WELL ID NO. : 1A63 ELEVATION : 3383 TOTAL DEPTH : 6120

OPERATOR : STANULIND OIL CO. WELL : NO. 1 CORBIN

LOCATION : SEC: 275 TNSP : B-74 RNG : SUR : H+TM

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
CLEAR FORK-CIMARRON	1930	1453	3220	163	----	1290	SH, ANHY	
RED CAVE	3220	163	3410	- 27	----	190	SH, SD	
WICHITA	3410	- 27	3910	- 527	----	500	SH, LS	
WOLFCAMP	3910	- 527	5070	- 1687	250	1100	DOL, SH	
CISCO	5070	- 1687	5600	- 2217	90	530	SH, LS	
CANYON	5600	- 2217	5780	- 2397	100	180	LS, SD, SH	
STRAWN	5780	- 2397	6090	- 2707	90	310	GRW, SH	
PRE-CAMBRIAN	6090	- 2707	6120	- 2737	----		GRT	Tn

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

JUN 1971

COUNTY : AK - ARMSTRONG WELL ID NO. : 1A64 ELEVATION : 3509 TOTAL DEPTH : 6140
 OPERATOR : STD. OF TEXAS WELL : NO.1-A PALM
 LOCATION : 660 FWL, 1980 FNL SEC: 141 TNSP : B-4 RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
WOLFCAMP	4055	- 546	5160	- 1651	----	1105	DOL,LS	
PENNSYLVANIAN UND.	5160	- 1651	6110	- 2601	----	950	SD,SH,GRW	
PRE-CAMBRIAN	6110	- 2601	6140	- 2631	----		GRT	TD

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REMARKS
 NET THICKNESSES NOT AVAILABLE 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 : AK - ARMSTRONG WELL ID NO. : 1A82 ELEVATION : 3461 TOTAL DEPTH : 8504
 OPERATOR : BURDELL OIL CO. WELL : NO.1 MC GEHEE
 LOCATION : 660 FEL. 1980 FNL SEC: 185 TNSP : RNG : SUR : JOHN GIBSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SANTA ROSA	410	3051	580	2881	150	170	SD	
WICHITA	4450	- 989	5025	- 1564	----	575	LS,SH	
WOLFCAMP	5025	- 1564	6600	- 3139	650	1575	DOL,SH,LS	
CISCO	6600	- 3139	7260	- 3799	----	660	SH	
CANYON	7260	- 3799	7690	- 4229	180	430	SH,LS	
STRAWN	7690	- 4229	8015	- 4554	130	325	LS,SH,SD	
BENDU	8015	- 4554	8135	- 4674	0	120	SH,LS	
MISSISSIPPIAN	8135	- 4674	8470	- 5009	220	335	LS,CHT	
PRE-CAMBRIAN	8470	- 5009	8504	- 5043	----		GRT	TD

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JUN 1971

COUNTY : AR - BAILEY WELL ID NO. : 1A45 ELEVATION : 3892 TOTAL DEPTH : 8953
 OPERATOR : LION OIL CO. WELL : NO.1 BIRDWELL
 LOCATION : NE-NE SEC: 78 TNSP : A RNG : SUR : M8+B

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SANTA ROSA	1640	2252	1900	1992	210	260	SD	
RED CAVE	6208	- 2316	6640	- 2748	----	432	SH,SD	
WICHITA	6640	- 2748	7020	- 3128	----	380	SH,LS	
WOLFCAMP	7020	- 3128	7400	- 3508	----	380	LS,SH	
PENNSYLVANIAN UND.	7400	- 3508	8270	- 4378	----	870	SH,LS,SD	
MISSISSIPPIAN UND	8270	- 4378	8530	- 4638	140	260	LS,SH	
ELLENBURGER	8530	- 4638	8800	- 4908	----	270	DOL,LS	EST
PRE-CAMBRIAN	8800	- 4908	8953	- 5061	----		GRT	TD

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REMARKS
 ELLENBURGER CORRELATION IS QUESTIONABLE, MAY BE MISSISSIPPIAN.
 NET PICKS NOT AVAILABLE - POOR LOG.

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : AR - BAILEY WELL ID NO. : 1A46 ELEVATION : 4025 TOTAL DEPTH : 8227
 OPERATOR : PHILLIPS PETR. CO. WELL : NO. 1-A STEVENS
 LOCATION : SEC: 24 TNSP : B RNG : SUR : MB**

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	350	3675	1970	2055	240	1620	SH,SD	EST
SANTA ROSA	1720	2305	1940	2085	100	220	SD	
SAN ANDRES	3280	745	4460	- 435	0	1180	ANHY	EST
CLEAR FORK-CIMARRON	4460	- 435	6350	- 2325	0	1890	ANHY,SH,LS	EST
RED CAVE	6350	- 2325	6720	- 2695	90	370	SH,SD	
WICHITA	6720	- 2695	7110	- 3085	0	390	LS,SH,ANHY	
WOLFCAMP	7110	- 3085	7495	- 3470	120	385	DOL,SH	
PENNSYLVANIAN UND.	7495	- 3470	7890	- 3865	140	395	LS,SH	
MISSISSIPPIAN UND	7890	- 3865	8010	- 3985	65	120	LS,SH	
WOODFORD - SIMPSON	8010	- 3985	8010	- 3985	----	0		UNC
ELLENBURGER	8010	- 3985	8130	- 4105	100	120	LS,DOL	EST
PRE-CAMBRIAN	8130	- 4105	8227	- 4202	----		GRT	TD

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JUN 1971

COUNTY : BL - BRISCOE WELL ID NO. : 1A69 ELEVATION : 2526 TOTAL DEPTH : 7228
 OPERATOR : AMARILLO OIL CO. WELL : NO.1 BRYANT EDWARDS
 LOCATION : 790 FSL, 836 FWL SEC: 69 TNSP : A RNG : SUR : R.F. STEPHENSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	2900	- 374	3120	- 594	----	220	SH,SD	
WICHITA	3120	- 594	3640	- 1114	----	520	LS,SH	
WOLFCAMP	3640	- 1114	4750	- 2224	370	1110	DOL,SH,GRW	
PENNSYLVANIAN	4750	- 2224	6580	- 4054	----	1830	SH,GRW,LS	
CISCO (VIRGIL)	4750	- 2224	5200	- 2674	0	450	SH	
CANYON (MISSOURI)	5200	- 2674	5740	- 3214	110	540	LS,SH	
STRAWN (DES MOINES)	5740	- 3214	6580	- 4054	160	840	SD,GRW,SH	
MISSISSIPPIAN UND.	6580	- 4054	7170	- 4644	240	590	LS,SH	
WOODFORD - ELLEN.	7170	- 4644	7170	- 4644	----	0		UNC
PRE-CAMBRIAN	7170	- 4644	7228	- 4702	----		GRT	TD

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JUN 1971

COUNTY : BL - BRISCOE WELL ID NO. : 1A70 ELEVATION : 3237 TOTAL DEPTH : 9615
 OPERATOR : HUMBLE OIL AND REF. WELL : NO.1 HOWARD RANCH
 LOCATION : 1880 FNL, 1800 FNL SEC: 155 TNSP : GM RNG : SUR : GC+SF RR

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	1740	1497	2580	657	----	840	ANHY	
CLEAR FORK-CIMARRON	2580	657	3875	- 638	----	1295	SH, ANHY	
RED CAVE	3875	- 638	4130	- 893	----	255	SH	
WICHITA	4130	- 893	4680	- 1443	----	550	ANHY, LS, SH	
WOLFCAMP	4680	- 1443	5900	- 2663	520	1220	DOL, LS, SH	
PENNSYLVANIAN	5900	- 2663	8355	- 5118	----	2455	SH, GRW, LS	
CISCO (VIRGIL)	5900	- 2663	6840	- 3603	----	940	SH	
CANYON (MISSOURI)	6840	- 3603	7595	- 4358	560	755	LS, SH	
STRAWN (DES MOINES)	7595	- 4358	8355	- 5118	130	760	GRW, SH	
MISSISSIPPIAN UND.	8355	- 5118	9155	- 5918	225	800	LS, SH	
WOODFORD - ELLEN	9155	- 5918	9155	- 5918	----	0		UNC
PRE-CAMBRIAN	9155	- 5918	9615	- 6378	----		GRW, GRT	TD

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JUN 1971

COUNTY : BL - BRISCOE WELL ID NO. : 1A71 ELEVATION : 3160 TOTAL DEPTH : 9275
 OPERATOR : GULF OIL CORP. WELL : NO.1-D RODGERS
 LOCATION : 400 FNL, 965 FWL SEC: 58 TNSP : B-3 RNG : SUR : BS+F

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RED CAVE	4350		- 1190	4600	- 1440	----	250	SH	
WICHITA	4600		- 1440	4820	- 1660	----	220	SH,LS	
WOLFCAMP	4820		- 1660	6850	- 3690	460	2030		
PENNSYLVANIAN UND	6850		- 3690	8550	- 5390	90	1700	SH,	
MISSISSIPPIAN UND.	8550		- 5390	9180	- 6020	220	630	LS, SH	
MERAMEC - KINDERHOOK	9180		- 6020	9180	- 6020	----	0		UNC
PRE-CAMBRIAN	9180		- 6020	9275	- 6115	----		GRT	TD

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

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : BL - BRISCOE WELL ID NO. : 1A88 ELEVATION : 2365 TOTAL DEPTH : 8297
 OPERATOR : MIDSTATE OIL CO. WELL : NO. 1 HICKOCK
 LOCATION : NW=NW SEC: 39 TNSP : RNG : SUR : C.L. CRAIG AIG

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WICHITA	3080	- 715	3720	- 1355	----	640	SH,DOL	
WOLFCAMP	3720	- 1355	4720	- 2355	500	1000	DOL,LS,SH	
CISCO	4720	- 2355	5360	- 2945	160	640	SH,LS	
CANYON	5360	- 2995	6145	- 3780	400	785	LS	
STRAWN	6145	- 3780	7050	- 4685	260	905	LS,SH	
BEND	7050	- 4685	7300	- 4935	----	250	SH,LS	
MISSISSIPPIAN UND.	7300	- 4935	8035	- 5670	----	735	LS,DOL	
ELLENBURGER	8035	- 5670	8090	- 5725	----	55	DOL	
PRE-CAMBRIAN	8090	- 5725	8297	- 5932	----		GRT	TO

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

COUNTY : BL - BRISCOE WELL ID NO. : 1A89 ELEVATION : 2474 TOTAL DEPTH : 8775
 OPERATOR : AMERADA OIL CO. WELL : NO.1 HAMILTON
 LOCATION : NE-SE SEC: 41 TNSP : 3 RNG : SUR : T+P RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WICHITA	3400	- 926	3960	- 1486	----	560	SH, ANHY, LS	
WOLFCAMP	3960	- 1486	5150	- 2676	340	1190	UOL, SH	
CISCO	5150	- 2676	5320	- 2846	60	170	SH, LS	
CANYON	5320	- 2846	7155	- 4681	480	1835	SH, LS	
STRAWN	7155	- 4681	7895	- 5421	180	740	SH, LS	
BEND	7895	- 5421	8100	- 5626	20	205	SH, SD	
MISSISSIPPIAN	8100	- 5626	8725	- 6251	360	625	LS	
PRE-CAMBRIAN	8725	- 6251	8775	- 6301	----		GRT	TD

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JUN 1971

COUNTY : DA - CARSON WELL ID NO. : 1A52 ELEVATION : 3417 TOTAL DEPTH : 6257
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.1 ARDIS
 LOCATION : 330 FEL, 2310 FSL SEC: 3 TNSP : H-4 RNG : SUR : H+GN RK

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WICHITA	2920	497	3195	222	----	275	LS,SH	
WOLFCAMP	3195	222	4395	- 978	280	1200	DOL,GRW,SH	
PENNSYLVANIAN	4395	- 978	6170	- 2753	----	1775	SH,LS	EST
CISCO (VIRGIL)	4395	- 978	4840	- 1423	140	445	SH,LS	EST
CANYON (MISSOURI)	4840	- 1423	5200	- 1783	120	360	GRW,SH,SD	
STRAWN (DES MOINES)	5200	- 1783	6170	- 2753	150	970	SD,GRW,SH	
ATOKA - ELLENBURGER	6170	- 2753	6170	- 2753	----	0		UNC
PRE-CAMBRIAN	6170	- 2753	6257	- 2840	----		GRT	TD

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REMARKS
 PENN. TOPS ESTIMATED AND QUESTIONABLE.

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JUN 1971

COUNTY : DA - CARSON WELL ID NO. : 1A53 ELEVATION : 3501 TOTAL DEPTH : 4765
 OPERATOR : TEXAS GULF WELL : NO.1 BOBBITT
 LOCATION : 060 FNL, 1980 FNL SEC: 95 TNSP : 2 RNG : SUR : TT RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CLEAR FORK	1390	2111	2580	921	----	1190	ANHY,SH,SD	
RED CAVE	2580	921	2830	671	70	290	SH,SD	
WICHITA	2830	671	3235	266	----	405	LS,SH,ANHY	
WOLFCAMP	3235	266	4590	- 1089	450	1355	DOL,LS,SH	
PENN. - ELLENBURGER	4590	- 1089	4590	- 1089	----	0		UNC
PRE-CAMBRIAN	4590	- 1089	4765	- 1264	----		GRT	TD

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JUN 1971

COUNTY : DA - CARSON WELL ID NO. : 1A5* ELEVATION : 3485 TOTAL DEPTH : 7030
 OPERATOR : ROARK WELL : NO.1 ROHAK
 LOCATION : 1980 FNL, 660 FEL SEC: 31 TNSP : 4 RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES	1180	2305	1815	1670	----	635	SLT, ANHY	
CLEAR FORK	1815	1670	3200	285	----	1385	ANHY, SH	
RED CAVE	3200	285	3490	- 5	----	290	SH, SD	
WICHITA	3490	- 5	3945	- 460	----	455	SH, LS	
WOLFCAMP	3945	- 460	5200	- 1715	500	1255	DOL, SH	
PENNSYLVANIAN	5200	- 1715	6920	- 3435	----	1720	GRW, SH	EST
CISCO (VIRGIL)	5200	- 1715	5570	- 2085	150	370	SH	EST
CANYON (MISSOURI)	5570	- 2085	6280	- 2795	120	710	LS, SH	EST
STRAWN (DES MOINES)	6280	- 2795	6920	- 3435	90	640	GRW, SH	
ATOKA - ELLENBURGER	6920	- 3435	6920	- 3435	----	0		UNC
PRE-CAMBRIAN	6920	- 3435	7030	- 3545	----		GRW, GRT	TD

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JUN 1971

COUNTY : DA - CARSON WELL ID NO. : 1C30 ELEVATION : 3355 TOTAL DEPTH : 3840
 OPERATOR : BRUCE WELL : NO. 1-79 BURNETT
 LOCATION : NW-SE SEC: 79 TNSP : 5 RNG : SUR : I+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK	825	2530	1820	1535	----	995	ANHY,SH,SD	
RED CAVE	1820	1535	1820	1535	----	0	SH,SD	
WICHITA	2055	1300	2415	940	----	360	LS,ANHY	
WOLFCAMP	2415	940	3725	- 370	300	1310	DOL,GRW,SH	
PENN. - ELLENBURGER	3725	- 370	3725	- 370	----	0		UNC
PRE-CAMBRIAN EST.	3725	- 370	3840	- 485	----		GRW,GRY	TD

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

JUN 1971

COUNTY : DA - CARSON WELL ID NO. : 2C18 ELEVATION : 3255 TOTAL DEPTH : 5616
 OPERATOR : SKELLY OIL CO. WELL : NO.214
 LOCATION : 330 FSL,990 FEL NE/4 SEC: 86 TNSP : 4 RNG : SUR : 1=GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	2650	605	3990	- 735	285	1340	DOL, SH EST	ABV
VIRGIL	3990	- 735	4605	- 1350	70	615	SH, GRW	EST
MISSOURI	4605	- 1350	4820	- 1565	22	215	SH, GRW	EST
DES MOINES - MORROW	4820	- 1565	4820	- 1565	0	0		UNC
HUNTON	4820	- 1565	4858	- 1603	----	38	LS	ERD
SYLVAN	4858	- 1603	4940	- 1685	----	82	SH	
VIOLA	4940	- 1685	5132	- 1877	----	192	LS	
SIMPSON	5132	- 1877	5415	- 2160	80	283	LS, SH	
ARBUCKLE	5415	- 2160	5616	- 2361	201+		DOL	TD

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

JUN 1971

COUNTY : DD - CASTRO WELL ID NO. : 1A39 ELEVATION : 3841 TOTAL DEPTH : 9735
 OPERATOR : AUSTRAL OIL CO. WELL : NO.1 WARE
 LOCATION : 660 FSL, 660 FWL SEC: 21 TNSP : T-4 RNG : SUR : R.M. THOMPSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	365	3476	1650	2191	260	1285	SH,SD	EST
SANTA ROSA	1270	2571	1545	2296	220	275	SD,SH	
SAN ANDRES	2610	1231	3750	91	0	1140	ANHY	
CLEAR FORK-CIMARRON	3750	91	5570	- 1729	----	1820	SH,ANHY,SD	
RED CAVE	5570	- 1729	6015	- 2174	----	445		
WICHITA	6015	- 2174	6400	- 2559	----	385	LS,ANHY,SH	
WOLFCAMP	6400	- 2559	7470	- 3629	480	1070	DOL,SH	
PENNSYLVANIAN	7470	- 3629	9110	- 5269	----	1640	SH,LS	
CISCO (VIRGIL)	7470	- 3629	7660	- 3819	35	190	SH,LS	
CANYON (MISSOURI)	7660	- 3819	8369	- 4524	380	705	LS,SH	EST
STRAWN (DES MOINES)	8365	- 4524	9110	- 5269	240	745	SD,SH,LS	EST
MISSISSIPPIAN	9110	- 5269	9650	- 5809	----	540	LS,SH	
MERAMEC - KINDERHOOK	9110	- 5269	9650	- 5809	300	540	LS,SH	
WOODFORD - ELLEN	9650	- 5809	9650	- 5809	----	0		UNC
PRE-CAMBRIAN	9650	- 5809	9735	- 5894	----		GRT	TD

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

JUN 1971

COUNTY : DD - CASTRO WELL ID NO. : 1A40 ELEVATION : 3685 TOTAL DEPTH : 9650
 OPERATOR : SKELLY OIL CO. WELL : NO.1 WILSON
 LOCATION : 683 FNL, 2015 FEL SEC: 123 TNSP : M-7 RNG : SUR : BS+F

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	315	3370	1390	2295	325	1075	SH,SD	
SANTA ROSA	980	2705	1295	2390	195	315	SD,SH	
SAN ANDRES	2270	1415	3440	245	0	1170	ANHY	
CLEAR FORK-CIMARRON	3440	245	5310	- 1625	0	1870	ANHY,SH,LS	
RED CAVE	5310	- 1625	5680	- 1995	70	370	SD,SH	
WICHITA	5680	- 1995	5970	- 2285	0	290	SH,LS	
WOLFCAMP	5970	- 2285	7105	- 3420	450	1135	DOL,SH	
PENNSYLVANIAN	7105	- 3420	9290	- 5605	----	2185	LS, SH	
CISCO (VIRGIL)	7105	- 3420	7270	- 3585	20	165	SH	
CANYON (MISSOURI)	7270	- 3585	8050	- 4365	175	780	SH,LS	
STRAWN (DES MOINES)	8050	- 4365	9290	- 5605	240	1240	SH,SD	
MISSISSIPPIAN UND.	9290	- 5605	9605	- 5920	150	315	LS,SH	
WOODFORD - ELLEN.	9605	- 5920	9605	- 5920	----	0		UNC
PRE-CAMBRIAN	9605	- 5920	9650	- 5965	----		GRW,GRT	TD

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

JUN 1971

COUNTY : DD - CASIRO WELL ID NO. : 1A41 ELEVATION : 3721 TOTAL DEPTH : 8912
 OPERATOR : ASHMUN AND HILLIARD WELL : NO.1 FORMALT
 LOCATION : 660 FEL, 660 SEC: 132 TNSP : M-6 RNG : SUR : SK+K

FORMATION	DEPTH	TOP SUB-SEA	BASE DEPTH	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	300	3421	1230	2491	210	930	SH,SD	EST
SANTA ROSA	745	2976	1105	2616	160	360	SD,SH	
SAN ANDRES	2280	1441	3245	476	----	965	ANHY,SH	
CLEAR FORK-CIMARRON	3245	476	4930	- 1209	----	1685	ANHY,LS,SH	
RED CAVE	4930	- 1209	5290	- 1569	----	360	SH,SD	
WICHITA	5290	- 1569	5360	- 1639	----	70	SH,LS	
WOLFCAMP	5360	- 1639	6095	- 2374	160	735	LS,SH	
PENNSYLVANIAN	6095	- 2374	8150	- 4429	----	2055	LS, SH	EST
CISCO (VIRGIL)	6095	- 2374	6480	- 2759	30	385	SH	EST
CANYON (MISSOURI)	6480	- 2759	7600	- 3879	520	1120	LS,SH	
STRAWN (DES MOINES)	7600	- 3879	8150	- 4429	75	550	SD,LS,SH	
MISSISSIPPIAN UND.	8150	- 4429	8605	- 4884	50	455	SH,LS	
WOODFORD - ELLEN.	8605	- 4884	8605	- 4884	----	0		UNC
PRE-CAMBRIAN	8605	- 4884	8912	- 5191	----		GRW, GRW	TD

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

JUN 1971

COUNTY : DD - CASTRO WELL ID NO. : 1A42 ELEVATION : 3667 TOTAL DEPTH : 9650

OPERATOR : ANDERSON-PRITCHARD WELL : NO.1 MC DANIEL

LOCATION : SEC : TNSP : RNG : SUR :

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	360	3307	1355	2312	260	995	SH,SD EST
SANTA ROSA	840	2827	1250	2417	220	410	SD
SAN ANDRES	2620	1047	3560	107	----	940	ANHY,LS,SH
CLEAR FORK-CIMARRON	3560	107	5150	- 1483	----	1590	SH,LS,ANHY
RED CAVE	5150	- 1483	5310	- 1643	----	160	SD,SH
WICHITA	5310	- 1643	5920	- 1853	----	210	SH,LS
WOLFCAMP	5520	- 1853	7020	- 3353	1050	1500	LS
PENNSYLVANIAN	7020	- 3353	9200	- 5533	----	2180	LS,SH,SD EST
CISCO (VIRGIL)	7020	- 3353	7420	- 3753	170	400	LS EST
CANYON (MISSOURI)	7420	- 3753	8005	- 4338	230	585	LS,SH
STRAWN (DES MOINES)	8005	- 4338	9200	- 5533	300	1195	SD,SH,LS
MISSISSIPPIAN UND.	9200	- 5533	9620	- 5953	200	420	LS,SH
WOODFORD - ELLEN.	9620	- 5953	9620	- 5953	----	0	UNC
PRE-CAMBRIAN	9620	- 5953	9650	- 5983	----		GRT TO

REMARKS
 THICK REEFAL DEVELOPMENT IN CISCO AND WOLFCAMP SECTIONS.

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

JUN 1971

COUNTY : DU - COLLINGSWORTH WELL ID NO. : 1A58 ELEVATION : 2039 TOTAL DEPTH : 6776
 OPERATOR : SHELL OIL CO. WELL : NO.1 SHELL-COOK
 LOCATION : 660 FNL, 660 FWL SEC: 13 TNSP : 11 RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMARRON	410	1629	1620	419	----	1210	SH, ANHY	
RED CAVE	1620	419	1980	59	----	360	SH, SD	
WICHITA	1980	59	2600	- 561	----	620	ANHY, SH, LS	
WOLFCAMP DOLO.	2600	- 561	3050	- 1011	----	450	DOL	
WOLFCAMP-PENN. GRW	3050	- 1011	5690	- 3651	600	2640	GRW, SH	UND
ELLENBURGER	5690	- 3651	6735	- 4696	----	1045	DOL	
PRE-CAMBRIAN	6735	- 4696	6776	- 4737	----		GRT	TD

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REMARKS
 NET POROUS GRANITE WASH IS SPECULATIVE.

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

JUN 1971

COUNTY : DU - COLLINGSWORTH WELL ID NO. : 1A59 ELEVATION : 2079 TOTAL DEPTH : 7062
 OPERATOR : GEM OIL CO. WELL : NO.1 HAMILTON
 LOCATION : NW-NW SEC: 36 TNSP : 19 RNG : SUR : H+GN

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK	480	1599	1850	229	----	1370	SH, ANHY, LS	
RED CAVE	1850	229	2145	- 66	----	295	SH, SD	
WICHITA	2145	- 66	2815	- 736	----	670	SH, LS, ANHY	
WOLFCAMP DOLO.	2815	- 736	3680	- 1601	----	865	DOL, SH	
WOLFCAMP-PENN. GRW	3680	- 1601	5840	- 3761	----	2160	GRW, SH	
MISSISSIPPIAN UND	5840	- 3761	6760	- 4681	----	920	LS, SH	
ELLENBURGER	6760	- 4681	7062	- 4983	----		DOL	TD

REMARKS
 NET THICKNESSES NOT AVAILABLE 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 : DU - COLLINGSWORTH WELL ID NO. : 1057 ELEVATION : 2333 TOTAL DEPTH : 5710

OPERATOR : SUPERIOR OIL CO. WELL : NO.85-75 BROWN

LOCATION : SEC: 75 TNSP : RNG : SUR :

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CLEAR FORK-CIMARRON	380	1953	1670	703	----	1250	SH, ANHY	
RED CAVE	1630	703	1900	433	----	270	SH, SD	
WICHITA	1900	433	2100	233	----	200	SH, LS	
WOLFCAMP DOLO.	2100	233	2570	= 237	300	470	DOL	
WOLFCAMP-PENN. GRW	2570	= 237	4680	= 2347	----	2110	GRW, SH	UND
ELLENBURGER	4680	= 2347	5680	= 3347	----	1000	DOL	
PRE-CAMBRIAN	5680	= 3347	5710	= 3377	----		GRT	TD

REMARKS
 GRANITE WASH DOES NOT APPEAR POROUS ON E-LOG.

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

JUN 1971

COUNTY : MP - DALLAM WELL ID NO. : 1A3 ELEVATION : 3854 TOTAL DEPTH : 6214
 OPERATOR : HUMBLE OIL AND REF. WELL : NO.1 SHELDON
 LOCATION : SW-NE SEC: 16 TNSP : 50 RNG 1 SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	610	3244	1120	2734	0	ANHY, SH	
CLEAR FORK- CIMARRON	1120	2734	1755	2099	300	SD, SH, ANHY	
RED CAVE	1755	2099	2165	1689	190	SH, SD	
WICHITA-ALBANY	2165	1689	2970	884	0	ANHY, LS, SH	
WOLFCAMP-BROWN	2970	884	3240	614	200	DOL, SH	
PENNSYLVANIAN	3240	614	4750	- 896	-----	LS, SH, CHT	
CISCO (VIRGIL)	3240	614	3470	384	180	LS	
CANYON (MISSOURI)	3470	384	3810	44	300	LS, CHT	
STRAWN (DES MOINES)	3810	44	4200	- 346	-----	LS, SH	
ATOKA	4200	- 346	4380	- 526	-----	SH, LS	
MORROW	4380	- 526	4750	- 896	-----	SH, LS	
MISSISSIPPIAN	4750	- 896	5450	- 1596	-----	LS, SH, CHT	
CHESTER	4750	- 896	4835	- 981	0	LS, CHT	
MERAMEC - KINDENHOOK	4835	- 981	5450	- 1596	290	LS, CHT	
WOODFORD - SYLVAN	5450	- 1596	5450	- 1596	-----		UNC
VIOLA	5450	- 1596	5515	- 1661	-----	LS	
SIMPSON	5515	- 1661	5600	- 1746	-----	SD, SH	
ARBUCKLE	5600	- 1746	6200	- 2346	-----	DOL, LS	
PRE-CAMBRIAN	6200	- 2346	6214	- 2360	-----	GRT	TD

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

JUN 1971

COUNTY : HP - DALLAM WELL ID NO. : 1A4 ELEVATION : 3866 TOTAL DEPTH : 6823
 OPERATOR : HUMBLE OIL AND REF. WELL : NO.1 BELO
 LOCATION : NE-SW SEC : 1 TNSP : 1 RNG : SUR : I*GN

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	640	3226	1205	2661	0	565	ANHY, SH	
CLEAR FORK-CIMARRON	1205	2661	1905	1961	160	700	SD, SH, ANHY	
RED CAVE	1905	1961	2420	1446	220	515	SD, SH	
WICHITA-ALBANY	2420	1446	2970	896	90	550	SH, LS, SD	
WOLFCAMP	2970	896	3525	341	280	555	DOL, SH	
PENNSYLVANIAN	3525	341	5350	- 1484	----	1825	LS, SH	
CISCO (VIRGIL)	3525	341	3910	- 44	280	385	LS, SH	
CANYON (MISSOURI)	3910	- 44	4360	- 494	350	450	LS, CHT	
STRAWN (DES MOINES)	4360	- 494	4740	- 874	175	380	LS, SH	
ATOKA	4740	- 874	5045	- 1179	----	305	SH, LS	
MORROW	5045	- 1179	5350	- 1484	----	305	SH	
MISSISSIPPIAN	5350	- 1484	6100	- 2234	----	750	LS, CHT	
CHESTER	5340	- 1474	5530	- 1664	40	190	LS, CHT	
MERAMEC - KINDERHOOK	5530	- 1664	6100	- 2234	270	570	LS, CHT	
WOODFORD - SYLVAN	6100	- 2234	6100	- 2234	----	0		UNC
VIOLA	6100	- 2234	6135	- 2269	----	35	LS	ERD
SIMPSON	6135	- 2269	6215	- 2349	----	80	SD, SH	
ARBUCKLE	6215	- 2349	6820	- 2954	----	605	LS, DOL	
PRE-CAMBRIAN	6820	- 2954	6823	- 2957	----		GRT	TD

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

JUN 1971

COUNTY : HP - DALLAM WELL ID NO. : 1A5 ELEVATION : 3947 TOTAL DEPTH : 6530
 OPERATOR : WAY WELL : NO.1 HEISKELL
 LOCATION : NW-SE SEC: 10 TNSP : 1 RNG : SUR : BS+F

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	705	3242	1320	2627	----	615	SH, ANHY	
CLEAR FORK-CIMARRON	1320	2627	2050	1897	80	730	SH, ANHY	
RED CAVE	2050	1897	2730	1217	240	680	SD, SH	
WICHITA-ALBANY	2730	1217	3100	847	95	370	SH, LS	
WOLFCAMP	3100	847	3690	257	240	590	DOL, LS, SH	
PENNSYLVANIAN	3690	257	5360	- 1413	----	1670	LS, SH	
CISCO (VIRGIL)	3690	257	4095	- 148	320	405	LS, SH	
CANYON (MISSOURI)	4095	- 148	4525	- 578	400	430	LS	
STRAWN (DES MOINES)	4525	- 578	4875	- 928	220	350	LS, SH	
ATOKA	4875	- 928	5080	- 1133	----	205	SH, LS	
MORROW	5080	- 1133	5360	- 1413	----	280	SH, LS	
MISSISSIPPIAN	5360	- 1413	5940	- 1993	----	580	LS, CHT	
CHESTER	5360	- 1413	5410	- 1463	0	50	LS, CHT	
MERAMEC - KINDEKHOOK	5410	- 1463	5940	- 1993	240	530	LS, CHT	
WOODFORD - SIMPSON	5940	- 1993	5940	- 1993	----	0		UNC
ARBUCKLE	5940	- 1993	6510	- 2563	----	570	DOL	
PRE-CAMBRIAN	6510	- 2563	6530	- 2583	----		GRT	TD

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

JUN 1971

COUNTY : HP - DALLAM WELL ID NO. : 1A18 ELEVATION : 4569 TOTAL DEPTH : 6169
 OPERATOR : TEXACO INC. WELL : NO.1 CAPITOL SYNDICATE
 LOCATION : SE-C SEC: 10 TNSP : 7 RNG : SUR : CAPITOL SYND. SUBDIVISION

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RED CAVE	2600	1969	3050	1519	----	450	SD, SH	
WICHITA - DES MOINES	3050	1519	5670	- 1101	900	2620	GRW	UND
MORROW	5670	- 1101	5935	- 1366	----	265	LS, SH	
MISS. - SIMPSON	5935	- 1366	5935	- 1366	----	0		UNC
ELLENBURGER	5935	- 1366	6130	- 1561	----	195	DOL	
PRE-CAMBRIAN	6130	- 1561	6169	- 1600	----		GRT	TD

REMARKS
 PENN. COMPRISED OF SANGRE DE CRISTO GRANITE WASH.

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

JUN 1971

COUNTY : MP - DALLAM WELL ID NO. : 1A19 ELEVATION : 4415 TOTAL DEPTH : 7808
 OPERATOR : CONTINENTAL OIL CO. WELL : NO.1 WILLIS
 LOCATION : 3300 FNL, 660 FEL SEC: TNSP : 81 RNG : 7 SUR : CSS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES EQV.	1440	2975	1970	2445	----	530	ANHY	
CLEAR FORK-CIMARRON	1970	2445	2565	1850	----	595	SH, ANHY	
RED CAVE - WOLF. EQV.	2565	1850	4900	- 485	500	2335	SH, GRW, SD	EST
WOLFCAMP - DES MOINES	4900	- 485	6780	- 2365	650	1880	GRW, SH	UND
MORROW	6780	- 2365	7380	- 2965	----	600	SH, GRW	
MISS. - SIMPSON	7380	- 2965	7380	- 2965	----	0		UNC
ELLENBURGER	7380	- 2965	7770	- 3355	----	390	DOL	
PRE-CAMBRIAN	7770	- 3355	7808	- 3393	----		GRT	TD

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

JUN 1971

COUNTY : HP - DALLAM WELL ID NO. : 1A20 ELEVATION : 4335 TOTAL DEPTH : 6858
 OPERATOR : PURE OIL CO. WELL : NO.1 FED. LAND BANK
 LOCATION : SE-NW SEC: 17 TNSP : RNG : SUR : F.W.D. RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES EQV.	1530	2805	1760	2575	0	230	ANHY	
CLEAR FORK-CIMARRON	1760	2575	3260	1075	0	1500	SH, ANHY, LS	
WOLFCAMP EQV.	3260	1075	3990	345	200	730	DOL, LS, SH	EST
CISCO (VIRGIL)	3990	345	4470	- 135	180	480	LS, SH	
CANYON (MISSOURI)	4470	- 135	5015	- 680	190	545	LS, SH	
STRAWN (DES MOINES)	5015	- 680	5705	- 1370	160	690	LS, SD, SH	
ATOKA - MORROW	5705	- 1370	5980	- 1645	30	275	SH, LS	
MERAMEC - KINDERHOOK	5980	- 1645	6320	- 1985	----	340	LS, SH	
WOODFORD - SIMPSON	6320	- 1985	6320	- 1985	----	0		UNC
ELLENBURGER	6320	- 1985	6655	- 2320	----	335	DOL	EST
PRE-CAMBRIAN EST	6655	- 2320	6858	- 2523	----		GRT	TD

REMARKS
 WOLFCAMP AND VIRGIL NET INTERVALS ARE QUESTIONABLE.

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

JUN 1971

COUNTY : HP - DALLAM WELL ID NO. : 1A21 ELEVATION : 4149 TOTAL DEPTH : 6610
 OPERATOR : PANOMA CORP. WELL : NO.1 PRITCHARD
 LOCATION : 1980 FNL, 1980 FWL SEC: 16 TNSP : 9 RNG : SUR : CAPITOL SYNDICATE

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
EQV	1392	2757	1610	2539	----	218	SH, ANHY	
CLEAR FORK-CIMARRON	1610	2539	2250	1899	----	640	SH, ANHY	
RED CAVE	2250	1899	2915	1234	280	665	SD, SH, GRW	
WOLFCAMP - DES MOINES	2915	1234	6162	- 2013	850	3247	GRW, SH	
MORROW	6162	- 2013	6550	- 2401	----	388	SH	EST
MERAMEC - KINDERHOOK	6550	- 2401	6610	- 2461	----		LS, SH	TD

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

JUN 1971

COUNTY : HT - DEAF SMITH WELL ID NO. : 1A14 ELEVATION : 3991 TOTAL DEPTH : 10191
 OPERATOR : HONOLULU OIL CO. WELL : NO. 1 PONDER
 LOCATION : SEC : TNSP : RNG : SUR : LGE 426, RAMBO

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	1255	2736	3070	921	0	1815	ANHY,SH	
CLEAR FORK	3070	921	4530	- 539	40	1460	ANHY,SH	
RED CAVE	4530	- 539	5470	- 1479	40	940	SH,ANHY	
WICHITA	5470	- 1479	6025	- 2034	----	555	DOL,SH	
WOLFCAMP	6025	- 2034	7165	- 3174	750	1140	DOL,SH	
PENNSYLVANIAN	7165	- 3174	9440	- 5449	----	2275	LS,SH	
CISCO (VIRGIL)	7165	- 3174	7620	- 3629	300	455	LS	
CANYON (MISSOURI)	7620	- 3629	8080	- 4089	300	460	LS,SH	
STRAWN (DES MOINES)	8080	- 4089	9440	- 5449	350	1360	LS,SH	
ATOKA - MORROW	9440	- 5449	9440	- 5449	----	0		UNC
MISSISSIPPIAN	9440	- 5449	9685	- 5694	240	245	LS	
WOODFORD - ARBUCKLE	9685	- 5694	9685	- 5694	----	0		UNC
PRE-CAMBRIAN	9685	- 5694	10191	- 6200	----		GRW, GRT	TD

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

JUN 1971

COUNTY : HT - DEAF SMITH WELL ID NO. : 1A27 ELEVATION : 4384 TOTAL DEPTH : 8072
 OPERATOR : HUMBLE OIL AND REF. WELL : NO.1 REINAUER
 LOCATION : 1980 FSL, 1980 FEL SEC: 7 TNSP : RNG : SUR : 2N-1E CAPITOL LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	180	4204	1490	2894	160	1310		
SANTA ROSA EQV.	970	3414	1200	3184	90	230	SD, SH	
SAN ANDRES	2515	1869	3470	914	----	955	ANHY, SH	
CLEAR FORK-CIMARRON	3470	914	5300	- 916	----	1830	ANHY, SH	
RED CAVE	5300	- 916	5910	- 1926	----	610	SH, SD	
WICHITA	5910	- 1526	6180	- 1796	----	270	SH, LS	
WOLFCAMP	6180	- 1796	6980	- 2596	340	800	DOL, GRW	
PENNSYLVANIAN UND.	6980	- 2596	7609	- 3221	320	625	GRW, SH	EST
PRE-CAMBRIAN	7605	- 3221	8072	- 3688	----		GRW, GRT	TD

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

JUN 1971

COUNTY : MT - DEAF SMITH WELL ID NO. : 1A28 ELEVATION : 3978 TOTAL DEPTH : 8179
 OPERATOR : FRANKFORT OIL CO. WELL : NO.1 COFFEE
 LOCATION : SE-SE SEC: 45 TNSP : K-5 RNG : SUR : CB+CNG

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	295	3683	1455	2523	230	1160	SH, SD	
SANTA ROSA	995	2983	1290	2688	160	295	SD, SH	
SAN ANDRES	1810	2168	2770	1208	0	960	ANHY,LS,SH	
CLEAR FORK-CIMARRON	2770	1208	4330	- 352	----	1560	SH,ANHY,LS	
RED CAVE	4330	- 352	4900	- 922	140	570	SH, SD	
WICHITA	4900	- 922	5340	- 1362	----	440	SH, LS	
WOLFCAMP	5340	- 1362	7060	- 3082	320	1720	DOL,SH,LS	
PENNSYLVANIAN UND.	7060	- 3082	8150	- 4172	250	1090	LS,SD,SH	
LOWER PENN. - SIMPSON	8150	- 4172	8150	- 4172	----	0		UNC
PRE-CAMBRIAN	8150	- 4172	8179	- 4201	----		GRT	TD

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

JUN 1971

COUNTY : MT - DEAF SMITH WELL ID NO. : 1A29 ELEVATION : 3782 TOTAL DEPTH : 9505
 OPERATOR : ASHMUN AND HILLIARD WELL : NO.1 OPPENHEIM
 LOCATION : 660 FNL, 1980 FEL SEC: 20 TNSP : K-3 RNG : SUR : T. VINCENT OPPENHEIM

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SANTA ROSA	900	2882	1060	2722	140	160	SD,SH EST	ABV
SAN ANDRES	2200	1582	3200	982	----	1000	ANHY,SH,LS	
CLEAR FORK-CIMARRON	3200	582	5080	- 1298	----	1880	ANHY,LS,SH	
RED CAVE	5080	- 1298	5380	- 1598	100	300	SH,SD	
WICHITA	5380	- 1598	5700	- 1918	----	320	SH,LS	
WOLFCAMP	5700	- 1918	6925	- 3143	320	1225	DOL,LS,SH	
PENNSYLVANIAN	6925	- 3143	9350	- 5568	----	2425	SH,LS,SD	
CISCO (VIRGIL)	6925	- 3143	7770	- 3988	130	845	SH,LS	
CANYON (MISSOURI)	7770	- 3988	8180	- 4398	70	410	SH,LS	
STRAWN (DES MOINES)	8180	- 4398	9350	- 5568	160	1170	SD,LS,SH	
ATOKA - MORROW	9350	- 5568	9350	- 5568	----	0		UNC
MERAMEC - KINDEHHOOK	9350	- 5568	9505	- 5723	----		LS, SH	TD

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

JUN 1971

COUNTY : JA - DUNLEY WELL ID NO. : 1A67 ELEVATION : 2626 TOTAL DEPTH : 6513
 OPERATOR : ALAN DRILLING CO. WELL : NO.1 MEYERS
 LOCATION : 660 FNL, 660 FWL SEC: 129 TNSP : C-6 RNG : SUR : GC+SF RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RED CAVE	2340	286	2650	- 24	----	310	SH,SD	
WICHITA	2650	- 24	3230	- 604	----	580	LS,SH	
WOLFCAMP	3230	- 604	4350	- 1724	280	1120	DOL,SH,GRW	
PENNSYLVANIAN UND.	4350	- 1724	5730	- 3104	240	1380	GRW,LS,SH	EST
MISSISSIPPIAN UND.	5730	- 3104	6513	- 3887	180		SH,LS	TD
ELLENBURGER EST	6550	- 3924	6550	- 3924	----	0		

REMARKS
 ELLEN. TOP ESTIMATED. MISS. NET THICKNESS ESTIMATED.

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

JUN 1971

COUNTY : JA - DONLEY WELL ID NO. : 1A68 ELEVATION : 2550 TOTAL DEPTH : 6983
 OPERATOR : CLARK WELL : NO.1 GENTRY
 LOCATION : 660 FNL, 1980 FEL SEC: 50 TNSP : 20 RNG : SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CLEAR FORK	1040	1510	2365	185	----	1325	SH, ANHY	
RED CAVE	2365	185	2640	- 90	----	275	SH	
WICHITA	2640	- 90	3225	- 675	----	585	SH, LS	
WOLFCAMP	3225	- 675	4400	- 1850		380	DOL, SH	
PENNSYLVANIAN UND.	4400	- 1850	5740	- 3190	240	1340	GRW, LS, SH	
MISSISSIPPIAN UND.	5740	- 3190	6585	- 4035	320	845	LS, SH	
ELLENBURGER	6585	- 4035	6960	- 4410	150	375	DOL, SD	
PRE-CAMBRIAN	6960	- 4410	6983	- 4433	----		GRT	TD

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

JUN 1971

COUNTY : JA - DONLEY WELL ID NO. : 1A86 ELEVATION : 2869 TOTAL DEPTH : 5893
 OPERATOR : HONOLULU OIL CO. WELL : NO.1 OZIER
 LOCATION : SE-NW SEC: 55 TNSP : C-6 RNG : SUR : GC+SF RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	2490	379	2850	19	----	360	SH,SD	
WICHITA	2850	19	3410	- 541	----	560	DOL,ANHY	
WOLCAMP	3410	- 541	4290	- 1421	200	880	DOL,SH	
CISCO	4290	- 1421	4770	- 1901	180	480	LS,SH	
CANYON	4770	- 1901	5115	- 2246	70	345	LS,SH	
STRAWN	5115	- 2246	5375	- 2506	90	260	SH,GRW	
MISSISSIPPIAN UND.	5375	- 2506	5620	- 2751	175	245	LS,CHT	
ELLENBURGER	5120	- 2251	5620	- 2751	----	500	DOL,SD	
PRE-CAMRIAN	5840	- 2971	5893	- 3024	----		GRT	TD

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

JUN 1971

COUNTY : JA - DONLEY WELL ID NO. : 1A87 ELEVATION : 2565 TOTAL DEPTH : 5350
 OPERATOR : SHAMROCK OIL AND GAS WELL : NO.1 ADAIR
 LOCATION : APPROX. 990 FWL, 3000 FSLSEC: 15 TNSP : RNG : SUR : ADAIR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP	3205	- 640	3985	- 1420	200	780	SH,DOL	
CISCO	3985	- 1420	4485	- 1920	180	500	LS,SH	
CANYON	4485	- 1920	4670	- 2105	30	185	SH,LS	
STRAWN	4670	- 2105	4900	- 2335	40	230	SH,LS	
MISSISSIPPIAN UND.	4900	- 2335	5040	- 2475	50	140	LS	
ELLENBURGER	5040	- 2475	5170	- 2605	----	130	DOL	EST
PRE-CAMBRIAN	5170	- 2605	5350	- 2785	----		GRW	TD

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

JUN 1971

COUNTY : JA - DONLEY WELL ID NO. : 1D65 ELEVATION : 2538 TOTAL DEPTH : 4092
 OPERATOR : STANLIND OIL CO WELL : NO.1 LEWIS
 LOCATION : SW-NE SEC: 81 TNSP : RNG : SUR : DP+R

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RED CAVE	1770	768	2020	518	----	250	SH	
WOLFCAMP	2550	- 12	3075	- 537	75	525	DOL,SH	
PENNSYLVANIAN UND.	3075	- 537	3815	- 1277	110	740	GRW,SH	
MISS. - SIMPSON	3815	- 1277	3815	- 1277	----	0		UNC
ELLENBURGER - CAMB.	3815	- 1277	4040	- 1502	110	225	DOL,SD	
PRE-CAMBRIAN	4040	- 1502	4092	- 1554	----		GRT	TD

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

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : JA - DUNLEY WELL ID NO. : 1066 ELEVATION : 2555 TOTAL DEPTH : 5050

OPERATOR : MAGNOLIA PETR. CO. WELL : NO.1 LEWIS

LOCATION : 300 FSL, 87 FWL SEC: 8 TNSP : RNG : SUR : CHEROKEE FURNACE

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP	2760	- 205	3660	- 1105	260	900	DOL,SH	
PENNSYLVANIAN UND	3660	- 1105	4330	- 1775	90	670	SH,GRW	
MISSISSIPPIAN	4330	- 1775	4440	- 1885	40	110	LS,SH	
WOODFORD - SIMPSON	4440	- 1885	4440	- 1885	----	0		UNC
ELLENBURGER	4440	- 1885	5050	- 2495	220		DOL	TD
PRE-CAMBRIAN	5050	- 2495	5300	- 2745	----	250	GRT	EST

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

CORE LABORATORIES INC, F AND C DEPT.

JUN 1971

COUNTY : JA - DUNLEY WELL ID NO. : 1069 ELEVATION : 2972 TOTAL DEPTH : 5265
 OPERATOR : HUMBLE OIL AND REF. WELL : NO.1 ROACH
 LOCATION : 660 FSL, 660 FEL SEC: 5 TNSP : C-4 RNG : SUR : GC+SF RR

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WICHITA	2735		237	3240	- 268	----	505	LS, ANHY	
WOLFCAMP	3240		- 268	4020	- 1048	230	780	DOL, GRW	
CISCO	4020		- 1048	4330	- 1358	60	310	SH, LS, SD	
CANYON	4330		- 1358	4620	- 1648	110	290	SH, LS, SD	
STRAWN	4620		- 1648	5045	- 2073	120	425	SH, LS	
ELLENBURGER	5045		- 2073	5220	- 2248	----	175	DOL, SD	ERD
PRE-CAMBRIAN	5220		- 2248	5265	- 2293	----		GRT	TD

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

JUN 1971

COUNTY : JW - FLOYD WELL ID NO. : 1A76 ELEVATION : 3203 TOTAL DEPTH : 10356
 OPERATOR : SINCLAIR OIL CO. WELL :
 LOCATION : 660 ESW OF NW/4 SEC: 7 TNSP : T RNG : SUR : BS+F

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	4855	- 1652	4980	- 1777	----	125	SH	
WICHITA	4980	- 1777	5290	- 2087	----	310	LS,SH	EST
WOLFCAMP	5290	- 2087	6900	- 3697	250	1610		
CISCO	6900	- 3697	7545	- 4342	----	645		EST
CANYON	7545	- 4342	8700	- 5497	----	1155		
STRAWN	8700	- 5497	9475	- 6272	----	775	SH, LS	EST
MISSISSIPPIAN	9475	- 6272	10320	- 7117	270	845	LS,SH	
WOODFORD - ELLEN,	10320	- 7117	10320	- 7117	----	0		UNC
PRE-CAMBRIAN	10320	- 7117	10356	- 7153	----		GRT	TU

REMARKS
 TOPS IN PENN. QUESTIONABLE. NET THICKNESSES NOT OBTAINABLE IN PENN.

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

JUN 1971

COUNTY : JM - FLOYD WELL ID NO. : 1A90 ELEVATION : 3174 TOTAL DEPTH : 10395
 OPERATOR : HOUSTON WELL : NO.1 LACKEY
 LOCATION : 330 FSL, 990 FEL SEC: 11 TNSP : RNG : SUR : BLOCK D-2

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WICHITA	4495	- 1321	5015	- 1841	----	520	LS,SH	
WOLFCAMP	5015	- 1841	6295	- 3121	500	1280	SH,DOL	
CISCO	6295	- 3121	7125	- 3951	140	830	SH	
CANYON	7125	- 3951	8345	- 5171	20	1220	SH,LS	
STRAWN	8345	- 5171	9010	- 5836	40	665	SH,LS	
BEND	9010	- 5836	9500	- 6326	60	490	SH,LS	
MISSISSIPPIAN	9500	- 6326	10305	- 7131	450	805	LS,CHT	
PRE-CAMBRIAN	10305	- 7131	10395	- 7221	----		GRT	TD

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : JW - FLOYD WELL ID NO. : 10A20 ELEVATION : 3126 TOTAL DEPTH : 7025
 OPERATOR : ROY EARR WELL : NO.1 BATTEY
 LOCATION : 660 FNL, 660 FEL SEC: TNSP : RNG : SUR : ABST,1372 J.W. PRUITT

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP	4850	- 1724	5820	- 2694	290	970	LS,DOL,SH	
CISCO	5820	- 2694	6670	- 3544	----	850	SH,LS	EST
CANYON	6670	- 3544	7000	- 3874	240	330	LS	
PRE-CAMBRIAN	7000	- 3874	7025	- 3899	----		ORT	TD

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

JUN 1971

COUNTY : KS - GRAY WELL ID NO. : 1C10 ELEVATION : 3241 TOTAL DEPTH : 8048
 OPERATOR : GULF OIL CORP. WELL : NO.1 SHACKELTON
 LOCATION : 600 FNL, 2600 FEL SEC: 67 TNSP : 3 RNG : SUR : (NA)

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	530	2711	1540	1701	----	1010	SH, SD	
CLEAR FORK-CIMARRON	1540	1701	2490	751	----	950	ANH, SH, SD	
RED CAVE	2490	751	2810	431	----	320	SH, SD	
WICHITA-ALBANY	2810	431	3415	- 174	----	605	SH, ANH	
WOLFCAMP BROWN DOLO.	3415	- 174	5050	- 1809	210	1635	DOL, SH	
VIRGIL	5050	- 1809	5650	- 2409	----	600	GRW, SH	EST
MISSOURI-DES MOINES	5650	- 2409	7531	- 4290	----	1881	SH, GRW	EST
ATOKA	7531	- 4290	7696	- 4455	----	165	SH	EST
MORROW	7696	- 4455	7860	- 4619	80	164	SD, SH	EST
MISS. - SIMPSON	7860	- 4619	7860	- 4619	0	0		UNC
ARBUCKLE	7860	- 4619	8048	- 4807	188+		DOL ERD	TD

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

JUN 1971

COUNTY : KS - GRAY WELL ID NO. : 1C11 ELEVATION : 3102 TOTAL DEPTH : 11550
 OPERATOR : COLLIER DIAMOND-C WELL : NO.1 WHITE
 LOCATION : C-SE SEC: 180 TNSP : M2 RNG : SUR : BS+F

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA	DEPTH	SUB-SEA	DEPTH				
WOLFCAMP BROWN DOLO.	3650	- 548	5302	- 2200	290	1652	DOL, SH		
VIRGIL	5302	- 2200	6350	- 3248	----	1048	SH, GRW		
MISSOURI-DES MOINES	6350	- 3248	9740	- 6638	630	3390	GRW	EST	
ATOKA	9740	- 6638	10270	- 7168	----	530	SH,	EST	
MORROW	10270	- 7168	10700	- 7598	165	430	SD,SH	EST	
MISS. - WOODFORD	10700	- 7598	10700	- 7598	0	0		UNC	
HUNTON	10700	- 7598	11495	- 8393	----	795	LS	ERD	
SYLVAN	11495	- 8393	11550	- 8448	----		SH	TD	

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

JUN 1971

COUNTY : KS - GRAY WELL ID NO. : 1C12 ELEVATION : 3080 TOTAL DEPTH : 11499
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.1 WHITMORE
 LOCATION : 661.5 FSL, 1984 FWL SEC: 109 TNSP : N=2 RNG : SUR : BS+F

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	650	2430	1625	1455	----	975	SH, SD	EST
CLEAR FORK-CIMARRON	1625	1455	2800	280	----	1175	ANHY, SH, SD	EST
RED CAVE	2800	280	3181	- 101	----	381	SH, SD	
WICHITA-ALBANY	3181	- 101	4130	- 1050	----	949	SH, ANH	
WOLFCAMP BROWN DOLO.	4130	- 1050	5890	- 2810	390	1760	DOL, SH	
VIRGIL	5890	- 2810	6850	- 3770	----	960	SH, GRW	
MISSOURI-DES MOINES	6850	- 3770	9710	- 6630	570	2860	GRW, SH	
ATOKA	9710	- 6630	9970	- 6890	----	260	SH	EST
MORROW	9970	- 6890	10260	- 7180	130	290	SD, SH	
MISS. - WOODFORD	10260	- 7180	10260	- 7180	0	0		UNC
HUNTON	10260	- 7180	10430	- 7350	----	170	LS, CHT	ERD
VIOLA	10430	- 7350	10600	- 7520	----	170	LS	
SIMPSON	10600	- 7520	11310	- 8230	150	710	LS, SH	
ARBUCKLE	11310	- 8230	11499	- 8419	169*		DOL	TD

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

JUN 1971

COUNTY : KS - GRAY WELL ID NO. : 1D1 ELEVATION : 2720 TOTAL DEPTH : 13203
 OPERATOR : PAN AMERICAN WELL : NO. 1 FRANKLIN
 LOCATION : 1980 FNL, 1980 FEL SEC : 18 TNSP : A-6 RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA	DEPTH	SUB-SEA	DEPTH				
WOLFCAMP BROWN DOLO.	3750	- 1030	5155	- 2435	470	1405	DOL, SH EST	ABV	
VIRGIL	5155	- 2435	6245	- 3525	----	1090	SH,	EST	
MISSOURI-DES MOINES	6245	- 3525	9590	- 6870	----	3345	SH,	EST	
ATOKA	9590	- 6870	10250	- 7530	----	660	SH		
MORROW	10250	- 7530	10800	- 8080	260	550	SD, SH		
MISS. - UP, WOODFORD	10800	- 8080	10800	- 8080	----	0		UNC	
WOODFORD	10800	- 8080	10822	- 8102	----	22	SH		
HUNTON	10822	- 8102	11575	- 8855	----	753	LS		
SYLVAN	11575	- 8855	11715	- 8995	----	140	SH		
VIOLA	11715	- 8995	11970	- 9250	----	255	LS		
SIMPSON	11970	- 9250	12485	- 9765	----	515	LS, SH		
ARBUCKLE	12485	- 9765	13203	-10483	----		DOL	TD	

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

JUN 1971

COUNTY : KS - GRAY WELL ID NO. : 1055 ELEVATION : 3229 TOTAL DEPTH : 3203
 OPERATOR : PHILLIPS PETR. CO. WELL : NO. 1 DILLMAN
 LOCATION : NE-SW SEC: 131 TNSP : B-2 RNG : SUR : H+GN SURVEY

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	2050	1179	2285	944	----	235	SH,SD	
WICHITA	2285	944	2415	814	----	130	SH,LS	
WOLFCAMP	2415	814	2890	339	----	475	DOL,SH	
PENNSYLVANIAN UND.	2890	339	3203	26	----		GRW	TD
PRE-CAMBRIAN	3300	- 71	3300	- 71	----	0		EST

REMARKS
 NO NET THICKNESSES AVAILABLE DUE TO POOR LOG QUALITY.

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

JUN 1971

COUNTY : KS - GRAY WELL ID NO. : 1056 ELEVATION : 2781 TOTAL DEPTH : 3225
 OPERATOR : SOUTHWESTERN NAT. GAS WELL : NO.1 MC CLELLAN
 LOCATION : NE-NE SEC: 12 TNSP : 30 RNG : SUR : H+GH

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	1545	1236	1800	981	----	255	SH,SD	
WICHITA	1800	981	1940	841	----	140	SH,LS	
WOLFCAMP DOL	1940	841	2320	461	240	380	DOL,SH	EST
WOLFCAMP-PENN. GRW	2320	461	3225	- 444	150		GRW	TD

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

JUN 1971

COUNTY : KS - GRAY WELL ID NO. : 1067 ELEVATION : 2963 TOTAL DEPTH : 3043
 OPERATOR : THARP WELL : NO.1 SHORT
 LOCATION : SE-SW SEC: 15 TNSP : RNG : SUR : J.C. SHORT

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WICHITA	2045	918	2450	513	----	405	ANHY	
WOLFCAMP	2450	513	2960	3	350	510	LS,DOL,GRW	
PRE-CAMBRIAN	2960	3	3043	- 80	----		GRT	TD

REMARKS
 LOCATION OF THIS WELL IS ESTIMATED FROM INDEX MAP OF P65 CROSS-SEC.

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

JUN 1971

COUNTY : KS - GRAY WELL ID NO. : 1D68 ELEVATION : 2963 TOTAL DEPTH : 3121
 OPERATOR : PHILLIPS WELL : NO.1 BRALLEY
 LOCATION : 1980 FNL, 1980 FWL SEC: 7 TNSP : RNG : SUR : CCSD RGNG RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WICHITA	2245	718	2690	273	----	445	ANHY	
WOLFCAMP	2690	273	3000	- 37	220	310	DOL,GRW	
PRE-CAMBRIAN	3000	- 37	3121	- 158	----		GRT	TD

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

JUN 1971

COUNTY : KY - HALE		WELL ID NO. : 1A50		ELEVATION : 3506		TOTAL DEPTH : 9923			
OPERATOR : HONOLULU		WELL : NO.1 JONES							
LOCATION :		SEC :	TNSP :	RNG :		SUR :			
FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP	
TRIASSIC	215	3291	1475	2031	180	1260	SH,SD		
SANTA ROSA	1195	2311	1390	2116	110	195	SD,SH		
SAN ANDRES	2930	576	4300	- 794	----	1370	LS,ANHY		
CLEAR FORK-CIMARRON	4300	- 794	6175	- 2669	----	1875	SH,LS,ANHY		
RED CAVE	6175	- 2669	6400	- 2894	----	225	SH,SD,LS		
WICHITA	6400	- 2894	6880	- 3374	----	480	LS,SH		
WOLFCAMP	6880	- 3374	8130	- 4624	550	1250	DOL,LS,SH	EST	
PENNSYLVANIAN UND	8130	- 4624	9365	- 5859	250	1235			
MISSISSIPPIAN	9365	- 5859	9810	- 6304	400	445	LS,SH,CHT		
WOODFORD - SIMPSON	9810	- 6304	9810	- 6304	----	0		UNC	
ELLENBURGER	9810	- 6304	9885	- 6379	65	75	DOL,SD	EST	
PRE-CAMBRIAN	9885	- 6379	9923	- 6417	----		GRT	TD	

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

JUN 1971

COUNTY : KY - HALE WELL ID NO. : 1A51 ELEVATION : 3458 TOTAL DEPTH : 9126
 OPERATOR : MOBIL OIL CORP. WELL : NO.1 LANEY
 LOCATION : 631 FSL, 1980 FWL SEC: 8 TNSP : 00 RNG : SUR : EL+RR RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	330	3128	1325	2133	135	995	SH,SD	
SANTA ROSA	1105	2353	1250	2208	75	145	SD	
SAN ANDRES	2770	688	4000	- 542	----	1230	ANHY,LS,SD	EST
CLEAR FORK-CIMARRON	4000	- 542	5700	- 2242	----	1700	LS,SH,ANHY	
RED CAVE	5700	- 2242	5980	- 2522	----	280	SH,SD	
WICHITA	5980	- 2522	6400	- 2942	----	420	LS,SH	EST
WOLFCAMP	6400	- 2942	7100	- 3642	100	700	DOL,SH	EST
PENNSYLVANIAN	7100	- 3642	9100	- 5642	350	2000	LS,SH,SD	EST
MISSISSIPPIAN UND.	9100	- 5642	9126	- 5668	----		LS	TD

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

JUN 1971

COUNTY : KY - HALE WELL ID NO. : 1A85 ELEVATION : 3308 TOTAL DEPTH : 10250
 OPERATOR : AMERADA PETR. CO. WELL : NO.1 KURFEES
 LOCATION : 666 FNL, 660 FWL SEC: 6 TNSP : RNG : SUR : BLOCK N

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SANTA ROSA	520	2788	790	2518	200	270	SD	EST
WICHITA	5410	- 2102	6045	- 2737	----	635	SH,LS	
WOLFCAMP	6045	- 2737	7795	- 4487	130	1750	SH,DOL	
CISCO	7795	- 4487	8350	- 5042	30	555	SH	
CANYON	8350	- 5042	8735	- 5427	20	385	SH,LS	
STRAWN	8735	- 5427	9195	- 5887	80	460	LS,SH	
BEND	9195	- 5887	9400	- 6092	20	205	LS	
MISSISSIPPIAN UND.	9400	- 6092	10140	- 6832	280	740	LS	
PRE-CAMBRIAN	10140	- 6832	10250	- 6942	----		GRW,GRT	TD

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

JUN 1971

COUNTY : KY - HALE WELL ID NO. : 10A7 ELEVATION : 3358 TOTAL DEPTH : 11577
 OPERATOR : HONOLULU OIL CORP. WELL : NO.1 MARTHA SCHOLTZ
 LOCATION : 1980 FNL, 660 FEL SEC: 10 TNSP : 00CK RNG : SUR : GC+SF

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GLORIETA	4586	- 1228	4741	- 1383	----	155	SD, DOL	
WICHITA EQV.	7118	- 3760	8200	- 4842	----	1082	DOL, SH	EST
WOLFCAMP	8200	- 4842	9813	- 6455	100	1613	SH, LS	EST
PENNSYLVANIAN	9813	- 6455	11070	- 7712	400	1257	LS, SH	
MISSISSIPPIAN	11070	- 7712	11940	- 8182	470	470	LS	
WOODFORD	11540	- 8182	11577	- 8219	----		SH	TD

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

JUN 1971

COUNTY : KY - HALE WELL ID NO. : 10A50 ELEVATION : 3264 TOTAL DEPTH : 9974
 OPERATOR : STANOLIND OIL AND GAS WELL : NO. 1 HEG1
 LOCATION : 1980 FWL, 660 FNL SEC: 7 TNSP : RRG : SUR : C.F. STEPHENSON

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WHITEHORSE GROUP	1380	1884	2650	614	----	1270	ANHY, SH	
SAN ANDRES	2650	614	3935	- 671	----	1285	DOL, ANHY	
GLORIETA	3935	- 671	4340	- 1076	----	405	DOL, ANHY	
LEONARD UNDIFF.	4340	- 1076	6240	- 2976	----	1900	DOL, ANHY	
WOLFCAMP	6240	- 2976	7995	- 4731	210	1755	SH, DOL	
PENNSYLVANIAN	7995	- 4731	9300	- 6036	560	1305	SH, LS, SD	
MISSISSIPPIAN	9300	- 6036	9885	- 6621	440	585	LS, DOL, CHT	
CAMBRIAN (EST.)	9885	- 6621	9940	- 6676	----	55	SD	EST
PRE-CAMBRIAN	9940	- 6676	9974	- 6710	----		GRT	TD

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

JUN 1971

COUNTY : LB - HANSFORD WELL ID NO. : 281 ELEVATION : 3129 TOTAL DEPTH : 8500
 OPERATOR : PHILLIPS PETR. CO. WELL : NO. 2-E HITCH
 LOCATION : 2061 FSL, 199+ FEL SEC: 10 TNSP : 1 RNG : SUR : PS+L

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
WOLFCAMP-BROWN UOLO.	2735	394	4042	- 913	460	1307	DOL, SH	
VIRGIL	4042	- 913	5265	- 2136	225	1223	SH, SD	
DOUGLAS SAND	4650	- 1521	5265	- 2136	170	615	SD, SH	
MISSOURI	5265	- 2136	5810	- 2681	105	545	GRW, SH	
DES MOINES-MARMATON	5810	- 2681	6250	- 3121	90	440	SH, SD	
LOWER DM CHEROKEE	6250	- 3121	6390	- 3261	30	140	SH, SD	
ATOKA	6390	- 3261	6510	- 3381	----	120	SH	
MORROW	6510	- 3381	7100	- 3971	50	590	SD, SH	
MISS. (CHESTER)	7100	- 3971	7100	- 3971	----	0	LS, SH	UNC
MERAMEC-KINDERHUOK	7100	- 3971	8065	- 4936	----	965	LS, SH	
WOODFORD	8065	- 4936	8104	- 4975	----	39	SH	
HUNTON-SYLVAN	8104	- 4975	8104	- 4975	----	0		UNC
VIOLA	8104	- 4975	8292	- 5163	----	188	LS	
SIMPSON	8292	- 5163	8420	- 5291	38	128	LS, SH	
ARBUCKLE	8420	- 5291	8500	- 5371	80+		DOL	TD

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

JUN 1971

COUNTY : LB = HANSFORD WELL ID NO. : 286 ELEVATION : 3157 TOTAL DEPTH : 9113
 OPERATOR : HUMBLE OIL AND REF. WELL : NO.1 JACKSON
 LOCATION : SW=NE SEC: 111 TNSP : 45 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMARRON	1130	2027	1980	1177	----	850	ANHY, SH	
RED CAVE	1980	1177	2315	842	----	335	SH, SD	
WICHITA-ALBANY	2315	842	3065	92	----	750	ANHY, SH, SD	
WOLFCAMP-BROWN DOLO.	3065	92	4155	- 998	565	1090	DOL, SH	
VIRGIL	4155	- 998	5460	- 2303	240	1305	SH, SD	
DOUGLAS	4960	- 1803	5460	- 2303	170	500	SH, SD	
MISSOURI	5460	- 2303	6060	- 2903	----	600	SH, LS, SD	
LANSING-KANSAS CITY	5910	- 2753	6060	- 2903	----	150	SH, SD, LS	
DES MOINES-MARHATON	6060	- 2903	6620	- 3463	100	560	SH, SD	
LOWER DM CHEROKEE	6410	- 3253	6620	- 3463	----	210	SH	
ATOKA	6620	- 3463	6800	- 3643	----	180	SH	
MORROW	6800	- 3643	7332	- 4175	20	532	SH, SD	
MISS. (CHESTER)	7332	- 4175	7485	- 4328	----	153	LS, SH	
MERAMEC-KINDERHOOK	7485	- 4328	8558	- 5401	----	1073	LS	
WOODFORD	8558	- 5401	8609	- 5452	----	51	SH	
HUNTON	8609	- 5452	8630	- 5473	21	21	LS	
SYLVAN	8630	- 5473	8710	- 5553	----	80	SH	
VIOLA	8710	- 5553	8880	- 5723	----	170	LS	
SIMPSON	8880	- 5723	9020	- 5863	25	140	LS, SH	
ARBUCKLE	9020	- 5863	9113	- 5956	93+		DOL	TD

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

JUN 1971

COUNTY : LB - MANSFORD WELL ID NO. : 2B11 ELEVATION : 3324 TOTAL DEPTH : 7510
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.1 CATOR
 LOCATION : 990FSL, 660 FWL SEC: 33 TNSP : 3 RNG : SUR : GH+H

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEARFORK-CIMARRON	1090	2234	1942	1382	----	852	ANH, SH, SD	
RED CAVE	1942	1382	2440	884	----	498	SH, SD	
WICHITA ALBANY	2440	884	3070	254	----	630	SH, ANH	
WOLFCAMP-BROWN DOLO.	3070	254	3865	- 541	360	795	DOL, SH	
VIRGIL	3865	- 541	4900	- 1576	----	1035	SH, SD	
DOUGLAS SAND	4550	- 1226	4900	- 1576	25	350	SD, SH	
MISSOURI	4900	- 1576	5325	- 2001	----	425	SH, LS	
DES MOINES MARMATON	5325	- 2001	5580	- 2256	----	255	LS, SH	
LOWER DM CHEROKEE	5550	- 2226	5800	- 2476	----	250	SH, LS	
ATOKA	5800	- 2476	5910	- 2586	----	110	SH, LS	
MORROW	5910	- 2586	6110	- 2786	----	200	SH	
MISS. (CHESTER)	6110	- 2786	6230	- 2906	20	120	LS, SH	
MERAMEC-KINDERHOOK	6230	- 2906	7145	- 3821	490	915	LS, SH	
WOODFORD EQUIV.	7145	- 3821	7200	- 3876	----	55	LS, SH	
HUNTON-SYLVAN	7200	- 3876	7200	- 3876	0	0		UNC
VIOLA	7200	- 3876	7293	- 3969	----	93	LS	
SIMPSON	7293	- 3969	7440	- 4116	40	147	LS, SH	
ARBUCKLE	7440	- 4116	7510	- 4186	----		DOL	TD

REMARKS
 WOODFORD EQUIVALENT IS IN CARBONATE FACIES.

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

JUN 1971

COUNTY : LB - HANSFORD WELL ID NO. : 2B12 ELEVATION : 3272 TOTAL DEPTH : 9214
 OPERATOR : GULF OIL CORP. WELL : NO.1 GAMENTS FELDER
 LOCATION : APPROX. 660 FWL, 1980 FNLSEC: 5 TNSP : 4 RNG : SUR : PUBLIC SCHOOL LAND

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GUADALUPE (UNDIFF.)	430	2842	1210	2062	----	780	SH, SD	EST
CLEAR FORK-CIMARRON	1210	2062	2100	1172	----	890	ANH, SH, SD	EST
RED CAVE	2100	1172	2390	882	----	290	SH, SD	
WICHITA-ALBANY	2390	882	3170	102	----	780	SH, ANHY	
WOLFCAMP BROWN DOLO.	3170	102	4150	- 878	320	980	DOL, SH	
VIRGIL	4150	- 878	5530	- 2258	60	1380	SH, SD	
DOUGLAS SAND	4980	- 1708	5530	- 2258	45	550	SD, SH	
MISSOURI	5530	- 2258	6305	- 3033	----	775	SH, LS	
LANSING-KANSAS CITY	5848	- 2576	6305	- 3033	----	457	SH, LS	
DES MOINES (MARMATON)	6305	- 3033	6570	- 3298	----	265	SH, LS	
LOW. DM (CHEROKEE)	6570	- 3298	6800	- 3528	----	230	SH	
ATOKA	6800	- 3528	6900	- 3628	----	100	SH, LS	
MORROW	6900	- 3628	7262	- 3990	80	362	SD, SH	
MISS. (CHESTER)	7262	- 3990	7360	- 4088	10	98	LS, SH	
MERAMEC - KINDERHOOK	7360	- 4088	8560	- 5288	480	1200	LS, SH	
WOODFORD	8560	- 5288	8658	- 5386	----	98	SH	
HUNTON	8658	- 5386	8700	- 5428	----	42	LS	
SYLVAN	8700	- 5428	8780	- 5508	----	80	SH	
VIOLA	8780	- 5508	8895	- 5623	----	115	LS	
SIMPSON	8895	- 5623	9055	- 5783	50	160	LS, SH	

WELL ID NO. 1 2B12

CONTINUED

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
ARBUCKLE	9055	- 5783	9214	- 5942	159+		LS	TD

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LB - HANSFORD WELL ID NO. : 2816 ELEVATION : 3293 TOTAL DEPTH : 8443
 OPERATOR : PHILLIPS PETR, CO. WELL : NO.1 ELTON
 LOCATION : SE-NW SEC: 155 TNSP : 2 RNG : SUR : GH+H

FORMATION	DEPTH	TOP	SUB-SEA	DEPTH	BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP-BROWN DOLO.	3120		173	4150	-	857	330	1030	DOL, SH	
VIRGIL	4150		- 857	5308	-	2015	110	1158	SH, SD	
DOUGLAS SAND	4860		- 1567	5308	-	2015	70	448	SD, SH	
MISSOURI	5308		- 2015	6040	-	2747	----	732	SH	
DES MOINES-HARMATON	6040		- 2747	6330	-	3037	70	290	SH, SD	
LOWER DM CHEROKEE	6330		- 3037	6570	-	3277	30	240	SD, SH	
ATOKA	6570		- 3277	6720	-	3427	----	150	SH	
MORROW	6720		- 3427	7285	-	3992	40	565	SH, SD	
MISS. (CHESTER)	7285		- 3992	7700	-	4407	----	415	LS, SH	
MERAMEC-KINDERHOOK	7700		- 4407	8443	-	5150	----		LS, SH	TD

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LB - HANSFORD WELL ID NO. : 2B18 ELEVATION : 3134 TOTAL DEPTH : 8300
 OPERATOR : HORIZON OIL AND GAS WELL : NO.1-127 NOVAK
 LOCATION : 1250 FEL, 1250 FSL SEC: 127 TNSP : 4-T RNG : SUR : T+NO RR

FORMATION	DEPTH	TOP	SUB-SEA	DEPTH	BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP-BROWN DOLO.	3228	-	94	4330	-	1196	445	1102	DOL, SH	
VIRGIL	4330	-	1196	5580	-	2446	----	1250	SH, SD	
DOUGLAS SAND	5140	-	2006	5580	-	2446	190	440	SD, SH	
MISSOURI	5580	-	2446	6325	-	3191	25	745	SH, SD	
DES MOINES-MARNATON	6325	-	3191	6770	-	3636	40	445	SH, SD	
LOWER DM CHEROKEE	6770	-	3636	7130	-	3996	----	360	SH	
ATOKA	7130	-	3996	7315	-	4181	----	185	SH	
MORROW	7315	-	4181	7988	-	4854	35	673	SH, SD	
MISS. (CHESTER)	7988	-	4854	8300	-	5166	----		LS, SH	TD

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 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : LB - HANSFORD WELL ID NO. : 2819 ELEVATION : 3077 TOTAL DEPTH : 9221
 OPERATOR : GULF OIL CORP. WELL : NO. 1 BUCKNER
 LOCATION : 933 FNL, 933 FEL SEC : 20 TNSP : 1 RNG : SUR : CHEROKEE IRON FURNACE CO.

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	1740	1337	2110	967	----	370	SH, SD	
WICHITA-ALBANY	2110	967	2980	97	----	870	ANHY, SH	
WOLFCAMP BROWN DOLO.	2980	97	4060	- 983	310	1080	DOL, SH	
VIRGIL	4060	- 983	5370	- 2293	----	1310	SH, SD	
DOUGLAS SAND	4730	- 1653	5370	- 2293	60	640	SD, SH	
MISSOURI	5370	- 2293	5925	- 2848	----	555	SH	
DES MOINES (MARMATON)	5925	- 2848	6365	- 3288	----	440	SH	
LOW. DM (CHEROKEE)	6365	- 3288	6510	- 3433	50	145	SH, SD	
ATOKA	6510	- 3433	6692	- 3615	----	182	SH	
MORROW	6692	- 3615	7424	- 4347	140	732	SD, SH	
MISS. (CHESTER)	7424	- 4347	7585	- 4508	----	161	LS, SH	
MERAMEC - KINDERHOOK	7585	- 4508	8665	- 5588	----	1080	LS, SH	
WOODFORD	8665	- 5588	8720	- 5643	----	55	SH	
HUNTON - SYLVAN	8720	- 5643	8720	- 5643	----	0		UNC
VIOLA	8720	- 5643	8915	- 5838	----	195	LS	
SIMPSON	8915	- 5838	9020	- 5943	30	105	LS, SH	
ARBUCKLE	9020	- 5943	9221	- 6144	201+		DOL	TD

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

JUN 1971

COUNTY : LL - HARTLEY WELL ID NO. : 1A7 ELEVATION : 3955 TOTAL DEPTH : 9167
 OPERATOR : PHILLIPS PETR. CO. WELL : NO. 1-A CATTLE
 LOCATION : NW-NW SEC: 18 TNSP : ITO RNG : SUR : T+NO RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	1215	2740	1960	1995	0	745	ANHY, SH	
CLEAR FORK-CIMARRON	1960	1995	2820	1135	340	860	SD, SH, ANHY	
RED CAVE	2820	1135	3050	900	0	235	SD, SH	
WICHITA-ALBANY	3460	495	3725	230	0	265	SH, LS	
WOLFCAMP	3725	230	5340	- 1385	520	1615	DOL, LS, SH	
PENNSYLVANIAN	5340	- 1385	8415	- 4460	----	3075	LS, SH	
CISCO (VIRGIL)	5340	- 1385	6280	- 2325	120	940	SH, LS	
CANYON (MISSOURI)	6280	- 2325	6805	- 2850	305	525	LS, SH	
STRAWN (DES MOINES)	6805	- 2850	7360	- 3405	180	555	LS, SH	
ATOKA	7360	- 3405	7825	- 3870	----	465	SH, SD	
MORROW	7825	- 3870	8415	- 4460	----	590	LS, SH	
MISSISSIPPIAN	8415	- 4460	8875	- 4920	----	460	LS, CHT	
MERAMEC - KINDENHOOK	8415	- 4460	8875	- 4920	----	460	LS, CHT	ERD
WOODFORD - SIMPSON	8875	- 4920	8875	- 4920	----	0		UNC
ARBUCKLE	8875	- 4920	9160	- 5205	----	285	DOL	ERD
PRE-CAMBRIAN	9160	- 5205	9167	- 5212	----		GRT	TD

REMARKS
 NET THICKNESSES ARE APPROXIMATE.

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

JUN 1971

COUNTY : LL - HARTLEY WELL ID NO. : 1A8 ELEVATION : 3955 TOTAL DEPTH : 7454
 OPERATOR : STD. OF TEXAS WELL : NO.1 GUILLOUD
 LOCATION : SW-SE-NE SEC: 54 TNSP : LE RNG : SUR : G+M

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	1060	2895	1845	2110	----	785	ANHY, SH	
CLEAR FORK-CIMARRON	1845	2110	2750	1205	----	905	ANHY, SD, SH	
RED CAVE	2750	1205	3310	645	----	560	SH, SD	
WICHITA-ALBANY	3310	645	3765	190	----	455	SH, SD	
WOLFCAMP	3765	190	5190	- 1235	----	1425	DOL	
PENNSYLVANIAN	5190	- 1235	7345	- 3390	----	2155	SH, LS	
CISCO (VIRGIL)	5190	- 1235	6085	- 2130	----	895	SH	
CANYON (MISSOURI)	6085	- 2130	6490	- 2535	----	405	SH, LS	
STRAWN (DES MOINES)	6490	- 2535	6880	- 2925	----	390	LS, SH	
ATOKA	6880	- 2925	7200	- 3245	----	320	SH, SD	
MORROW	7200	- 3245	7345	- 3390	----	145	SH, LS	
MISSISSIPPIAN - SIMP.	7345	- 3390	7345	- 3390	----	0		UNC
ARBUCKLE	7345	- 3390	7435	- 3480	----	90	DOL	ERD
PRE-CAMBRIAN	7435	- 3480	7454	- 3499	----		GRT	TD

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

JUN 1971

COUNTY : LL - HARTLEY WELL ID NO. : 1A17 ELEVATION : 3934 TOTAL DEPTH : 7853
 OPERATOR : PURE OIL CO. WELL : NO.1 LANKFORD
 LOCATION : SW-SW SEC: 148 TNSP : 2 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMARRON	2100	1834	2660	1274	560	SH, ANHY	
RED CAVE	2660	1274	3600	334	940	SH	
WICHITA	3600	334	3725	209	125	SH	
WOLFCAMP	3725	209	4760	826	1035	DOL, LS	
PENNSYLVANIAN	4760	826	7290	3356	2530	SH, LS	
CISCO (VIRGIL)	4760	826	5440	1506	680	SH	
CANYON (MISSOURI)	5440	1506	6600	2666	1160	LS, SH	
STRAWN (DES MOINES)	6600	2666	7050	3116	450	LS, SH	
MORROW	7050	3116	7290	3356	240	SH, LS	
MISSISSIPPIAN	7290	3356	7485	3551	195	LS	
HERAMEC - KINDEHHOOK	7290	3356	7485	3551	195	LS	
ELLENBURGER	7485	3551	7820	3886	335	DOL	
PRE-CAMBRIAN	7820	3886	7853	3919		GRT	TD

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

JUN 1971

COUNTY : LL - HARTLEY WELL ID NO. : 1A22 ELEVATION : 4325 TOTAL DEPTH : 8005
 OPERATOR : CLARK WELL : NO.1 MARTIN
 LOCATION : NW-NE SEC: 10 TNSP : A-1 RNG : SUR : PSL

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES EQV	1880	2445	2250	2075	0	370	ANHY	
CLEAR FORK-CIMARRON	2250	2075	2880	1445	0	630	SH, ANHY, LS	
RED CAVE - WICHITA	2880	1445	3450	875	120	570	SD, SH, LS	UND
WOLFCAMP - DES MOINES	3450	875	7740	- 3415	600	4290	GRW, SH, LS	UND
ATOKA - MORROW	7740	- 3415	7630	- 3305	----	110	SH, LS	
MERAMEC - KINDERHOOK	7630	- 3305	7780	- 3455	----	150	LS, SH	
WOODFORD - SIMPSON	7780	- 3455	7780	- 3455	----	0		UNC
ELLENBURGER	7780	- 3455	7915	- 3590	----	135		
CAMBRIAN SAND	7915	- 3590	7950	- 3625	----	35	SD	
PRE-CAMBRIAN	7950	- 3625	8005	- 3680	----		GRT	TD

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

JUN 1971

COUNTY : LL - HARTLEY WELL ID NO. : 1A23 ELEVATION : 3847 TOTAL DEPTH : 8950
 OPERATOR : STD. OF TEXAS WELL : NO. 1 HERRING
 LOCATION : 1980 FNL, 660 FWL SEC: 375 TNSP : 44 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA	DEPTH	SUB-SEA	DEPTH				
SAN ANDRES EQV.	1320	2527	1690	2157	----	370	ANHY, SH		
CLEAR FORK-CIMARRON	1690	2157	2415	1432	----	725	SH, LS, ANHY		
RED CAVE	2415	1432	3225	622	----	810	SD, GRW, SH		
WICHITA	3225	622	3372	475	----	147	ANHY, DOL		
WOLFCAMP	3372	475	5400	- 1553	630	2028	DOL, SH		
PENNSYLVANIAN	5400	- 1553	7450	- 3603	----	2050	SH, GRW, LS		
CISCO (VIRGIL)	5400	- 1553	6140	- 2293	30	740	SH, LS		
CANYON (MISSOURI)	6140	- 2293	6440	- 2593	140	300	GRW, SH, LS		
STRAWN (DES MOINES)	6440	- 2593	6810	- 2963	120	370	SH, LS	EST	
ATOKA - MORROW UND.	6810	- 2963	7450	- 3603	----	640	SH, LS		
MISSISSIPPIAN	7450	- 3603	8320	- 4473	----	870	LS, SH		
CHESTER	7450	- 3603	7700	- 3853	50	250	SH		
MERAMEC - KINDERHOOK	7700	- 3853	8320	- 4473	380	620	LS		
WOODFORD - SIMPSON	8320	- 4473	8320	- 4473	----	0			UNC
ELLENBURGER	8320	- 4473	8910	- 5063	----	590	DOL		
PRE-CAMBRIAN	8910	- 5063	8950	- 5103	----		GRT		TD

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

JUN 1971

COUNTY : LL - HARTLEY WELL ID NO. : 1A24 ELEVATION : 3724 TOTAL DEPTH : 5525
 OPERATOR : SINCLAIR OIL CO. WELL : NO.1 BIVINS
 LOCATION : SEC: 7 TNSP : 25 RNG : SUR :

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	590	3134	1350	2374	----	760	ANHY,SH,SD	EST
CLEAR FORK-CIMARRON	1350	2374	2320	1404	----	970	SH,ANHY	
RED CAVE	2320	1404	2730	994	160	410	SH, SD	
WICHITA	2730	994	2970	754	0	240	SH, LS	
WOLFCAMP	2970	754	4660	- 936	980	1690	DOL,GRW,SH	
CISCO (VIRGIL)	4660	- 936	5515	- 1791	0	855	SH	EST
MISSOURI - ELLEN, EST	5515	- 1791	5515	- 1791	----	0		UNC
PRE-CAMBRIAN	5515	- 1791	5525	- 1801	----		GRT	TD

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

JUN 1971

COUNTY : LL - HARTLEY WELL ID NO. : 1A25 ELEVATION : 4031 TOTAL DEPTH : 6114
 OPERATOR : SHAMROCK OIL CO. WELL : NO. 1 DAMMIER
 LOCATION : 660 FNL, 2310 FNL SEC: 7 TNSP : LE RNG : SUR : G+M

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES EQV	1305	2726	1865	2166	----	560	ANHY, SH	
CLEAR FORK-CIMMARRON	1865	2166	2624	1407	----	759	SH, ANHY	
RED CAVE	2624	1407	3400	631	210	776	SD, SH	
WICHITA	3400	631	3890	141	----	490	SH, ANHY	
WOLFCAMP	3890	141	4770	- 739	170	880	DOL, SH	EST
PENNSYLVANIAN	4770	- 739	6055	- 2024	----	1285	GRW, SH	EST
VIRGIL - MORROW UND.	4770	- 739	6055	- 2024	300	1285	GRW, SH	EST
PRE-CAMBRIAN	6055	- 2024	6114	- 2083	----		GRT	TD

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

JUN 1971

COUNTY : LS - HEMPHILL WELL ID NO. : 1B12 ELEVATION : 2625 TOTAL DEPTH : 16500
 OPERATOR : SAMEUAN OIL CORP. WELL : NO.1 DETRIXHE
 LOCATION : 470 FSL, 1980 FWL SEC: 52 TNSP : 42 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMARRON	1090	1535	2308	317	----	1218	ANHY, SH	EST
RED CAVE	2308	317	2720	- 95	----	412	SH, SD	
WICHITA-ALBANY	2720	- 95	3855	- 1230	----	1135	LS, ANHY, SH	
WOLFCAMP-BROWN DOLO,	3855	- 1230	5748	- 3123	610	1893		
VIRGIL	5748	- 3123	7620	- 4995	----	1872	SH, SD	
DOUGLAS SAND	6870	- 4245	7620	- 4995	70	750	SD, SH	
MISSOURI	7620	- 4995	8750	- 6125	----	1130	SH, LS	
LANSING-KANSAS CITY	8520	- 5895	8750	- 6125	----	230	SH, LS, SD	EQV
DES MOINES (MARMATON)	8750	- 6125	9415	- 6790	----	665	SH, LS	
LOW. DM (CHEROKEE)	9415	- 6790	10200	- 7575	----	785	SH	
ATOKA	10200	- 7575	10325	- 7700	----	125	SH, LS	
MORROW	10325	- 7700	11700	- 9075	0	1375	SH	
MISS. (CHESTER)	11700	- 9075	12870	- 10245	----	1170	LS, SH	
MERAMEC - KINDERHOOK	12870	- 10245	14480	- 11855	----	1610	LS, SH	
WOODFORD	14480	- 11855	14550	- 11925	----	70	SH	
HUNTON	14550	- 11925	14800	- 12175	----	250	LS	
SYLVAN	14800	- 12175	14875	- 12250	----	75	SH	
VIOLA	14875	- 12250	15350	- 12725	----	475	LS	
SIMPSON	15350	- 12725	15615	- 12990	----	265	LS, SH	
ARBUCKLE	15615	- 12990	16500	- 13875	885+		DOLO, LS	TD

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

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LS - HEMPHILL WELL ID NO. : 1B31 ELEVATION : 2751 TOTAL DEPTH : 12527
 OPERATOR : SUN OIL CO. WELL : NO.1 KELLY
 LOCATION : 1980 FN*EL SEC: 19 TNSP : 43 RNG : SUR : H*TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP BROWN DOLO.	4040	- 1289	5580	- 2829	610	1540	DOL ABV	EST
VIRGIL	5580	- 2829	7520	- 4769	----	1940	SH, SD	
DOUGLAS SAND	6770	- 4019	7520	- 4769	75	750	SD, S	
MISSOURI	7520	- 4769	8805	- 6054	----	1285	SH, LS	
LANSING-KANSAS CITY	8510	- 5759	8805	- 6054	----	295	SH, LS, SD	EQV
DES MOINES (MARMATON)	8805	- 6054	9480	- 6729	----	675	SH	
LOW. DM (CHEROKEE)	9480	- 6729	10440	- 7689	----	960	SH, LS	
ATOKA	10440	- 7689	10700	- 7949	----	260	LS, SH	
MORROW	10700	- 7949	12395	- 9644	----	1695	SH	
MISS. (CHESTER)	12395	- 9644	12527	- 9776	----		LS, SH	TD

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

JUN 1971

COUNTY : LS - HEMPHILL WELL ID NO. : 1C9 ELEVATION : 2500 TOTAL DEPTH : 22505
 OPERATOR : PHILLIPS PETH. CO. WELL : NO.1-G BOWERS
 LOCATION : 1320 FNL, 1320 FWL SEC: 253 TNSP : C RNG : SUR : G+MMB+A

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	4236	- 1736	6410	- 3910	345	2174	DOL, SH	
VIRGIL	6410	- 3910	9048	- 6548	120	2638	SH	
DOUGLAS SAND	8150	- 5650	9048	- 6548	120	898	SD, SH	
MISSOURI	9048	- 6548	10500	- 8000	----	1452	SH, LS	
LANSING-KANSAS CITY	10010	- 7510	10500	- 8000	140	490	LS, SH	
DES MOINES MARMATON	10500	- 8000	11188	- 8688	----	688	SH, LS	
LOWER DM CHEHOKEE	11188	- 8688	13180	-10680	375	1992	SH,SD	
ATOKA	13180	-10680	13600	-11100	----	420	SH	
MORROW	13600	-11100	16100	-13600	430	2500	SD, SH	
MISS. (CHESTER)	16100	-13600	17555	-15055	200	1455	LS, SH	
MERAMEC-KINDERHOOK	17555	-15055	19412	-16912	----	1857	LS, SH	
WOODFORD	19412	-16912	19538	-17038	----	126	SH	
HUNTON	19538	-17038	20012	-17512	----	474	LS	
SYLVAN	20012	-17512	20138	-17638	----	126	SH	
VIOLA	20138	-17638	20470	-17970	----	332	LS	
SIMPSON	20470	-17970	21210	-18710	230	740	LS, SH	
ARBUCKLE	21210	-18710	22505	-20005	----		DOL.	TD

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

JUN 1971

COUNTY : LS - HEMPHILL WELL ID NO. : 1C30 ELEVATION : 2493 TOTAL DEPTH : 19871
 OPERATOR : CHAMPLIN PETH. CO. WELL : NO.1 WATERFIELD-HELTON UNIT
 LOCATION : 2300 FNL,2200 FWL SEC: 25 TNSP : A-1 RNG : SUR : H+GN HR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	640	1853	1495	998	----	855	SD, SH	
CLEARFORK-CIMARRON	1495	998	2510	- 17	----	1015	SD, SH	
RED CAVE	2510	- 17	2935	- 442	----	425	SH, SD	
WICHITA-ALBANY	2935	- 442	4200	- 1707	----	1265	ANH, SH	
WOLFCAMP-BROWN DOLO.	4200	- 1707	6442	- 3949	450	2242	DOL, SH	
VIRGIL	6442	- 3949	8560	- 6067	----	2118	SH	
DOUGLAS SAND	7710	- 5217	8560	- 6067	75	850	SD, SH	
MISSOURI	8560	- 6067	9910	- 7417	----	1350	SH	
LANSING-KANSAS CITY	9300	- 6807	9910	- 7417	----	610	SH, LS	
DES MOINES MARMATON	9910	- 7417	10302	- 7809	----	392	SH	
LOWER DM CHEROKEE	10302	- 7809	12350	- 9857	----	2048	SH, SD	
ATOKA	12350	- 9857	13050	-10557	----	700	SH	
MORROW	13050	-10557	15713	-13220	60	2663	SH, SD	
MISS. (CHESTER)	15713	-13220	17395	-14902	----	1682	LS, SH	
MERAHEC-KINDERHOOK	17395	-14902	19400	-16907	----	2005	LS, SH	
WOODFORD	19400	-16907	19450	-16957	----	50	SH	
HUNTON	19450	-16957	19810	-17317	----	360	LS	
SYLVAN	19810	-17317	19871	-17378	----		SH	To

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

JUN 1971

COUNTY : LS - HEMPHILL WELL ID NO. : 1C31 ELEVATION : 2578 TOTAL DEPTH : 20031
 OPERATOR : GULF OIL CORP. WELL : NO.1 MELVIN-HELTON
 LOCATION : 1867 FN+WL SEC: 21 TNSP : M-1 RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	760	1818	1210	1368	----	450	SH, SD	
CLEAR FORK-CIMARRON	1210	1368	2645	- 67	----	1435	SH, ANHY, SD	
RED CAVE	2645	- 67	3070	- 492	----	425	SH, SD	
WICHITA-ALBANY	3070	- 492	4465	- 1887	----	1395	ANHY, SH	
WOLFCAMP-BROWN DOLO.	4465	- 1887	6545	- 3967	960	2080	DOL, SH	
VIRGIL	6545	- 3967	8990	- 6412	----	2445	SH, SD	
DOUGLAS SAND	8090	- 5512	8990	- 6412	70	900	SD, SH	
MISSOURI	8990	- 6412	10340	- 7762	----	1350	SH, LS	
LANSING KANSAS CITY	9855	- 7277	10340	- 7762	----	485	LS, SH	
DES MOINES MARMATON	10340	- 7762	10956	- 8378	----	616	SH, LS	
LOWER DM CHEROKEE	10956	- 8378	13055	-10477	510	2099	SH	
ATOKA	13055	-10477	13608	-11030	----	553	SH	
MORROW	13608	-11030	16108	-13530	360	2500	SD, SH	
MISS. (CHESTER)	16108	-13530	17384	-14806	----	1276	LS, SH	
MERAMEC-KINDERHOOK	17384	-14806	19420	-16842	----	2036	LS, SH	
WOODFORD	19420	-16842	19500	-16922	----	80	SH	
HUNTON	19500	-16922	19920	-17342	----	420	LS	
SYLVAN	19920	-17342	20031	-17453	----		SH	TD

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : LS - MEMPHILL WELL ID NO. : 1C37 ELEVATION : 2407 TOTAL DEPTH : 17016
 OPERATOR : MC CULLOCH OIL CO. WELL : NO.1 MATHERS RANCH
 LOCATION : 990 FN+EL SEC: 151 TNSP : 8 RNG : SUR : J. FLOWERS

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GUADALUPE (UNDIFF.)	235	2172	880	1527	----	645	SH, SD	
CLEAR FORK-CIMARRON	880	1527	2150	257	----	1270	ANHY, SH, SD	
RED CAVE	2150	257	2620	- 213	----	470	SH, SD	
WICHITA-ALBANY	2620	- 213	3780	- 1373	----	1160	SH, ANAY	
WOLFCAMP-BROWN UOLO.	3780	- 1373	5910	- 3503	290	2130	DOL, SH	
VIRGIL	5910	- 3503	7800	- 5393	----	1890	SH	
DOUGLAS SAND	7030	- 4623	7800	- 5393	115	770	SD, SH	
MISSOURI	7800	- 5393	9148	- 6741	----	1348	SH, LS	
LANSING-KANSAS CITY	8690	- 6283	9148	- 6741	----	458	SH, LS	
DES MOINES-MARMATON	9148	- 6741	9694	- 7287	----	546	LS, SH	
LOWER DM CHEROKEE	9694	- 7287	11100	- 8693	----	1406	SH	
ATOKA	11100	- 8693	11420	- 9013	----	320	SH	
MORROW	11420	- 9013	13425	- 11018	----	2005	SD, SH	
MISS. (CHESTER)	13425	- 11018	14890	- 12483	----	1465	LS, SH	
MERAMEC-KINDERHOOK	14890	- 12483	16645	- 14238	----	1755	LS, SH	
WOODFORD	16645	- 14238	16712	- 14305	----	67	SH	
HUNTON	16712	- 14305	16925	- 14518	----	213	LS	
SYLVAN	16925	- 14518	16965	- 14558	----	40	SH	
VIOLA	16965	- 14558	17016	- 14609	----		LS	TD

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

JUN 1971

COUNTY : LS - HEMPHILL WELL ID NO. : 1C38 ELEVATION : 2539 TOTAL DEPTH : 15655
 OPERATOR : SAMEUAN ET AL WELL : NO.2 RIO BRAVO
 LOCATION : 1980 FSL + 1980 FEL SEC: 23 TNSP : 42 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEARFORK-CIMARRON	870	1669	2280	259	----	1410	ANHY,SH,SD	
RED CAVE	2280	259	3860	- 1321	----	1580	SH, SD	
WOLFCAMP BROWN DOLO	3860	- 1321	5770	- 3231	460	1910	DOL, SH	
VIRGIL	5770	- 3231	7720	- 5181	----	1950	SH	
DOUGLAS SAND	6950	- 4411	7720	- 5181	75	770	SD, SH	
MISSOURI	7720	- 5181	8920	- 6381	----	1200	SH	
LANSING KANSAS CITY	8620	- 6081	8920	- 6381	----	300	LS, SH	
DES MOINES-MARMATON	8920	- 6381	9582	- 7043	----	662	LS, SH	
LOWER DM CHEROKEE	9582	- 7043	10575	- 8036	----	993	SH	
ATOKA	10575	- 8036	10748	- 8209	----	173	SH	
MORROW	10748	- 8209	12240	- 9701	0	1492	SH	
MISS. (CHESTER)	12240	- 9701	13610	-11071	----	1370	LS, CHT	
MERAMEC-KINDERHOOK	13610	-11071	15200	-12661	----	1590	LS	
WOODFORD	15200	-12661	15240	-12701	----	40	SH, LS	
HUNTON	15240	-12701	15415	-12876	----	175	LS, CHT	
SYLVAN	15415	-12876	15480	-12941	----	65	SH, LS	
VIOLA	15480	-12941	15655	-13116	----		LS	TD

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

JUN 1971

COUNTY : LS - HEMPHILL WELL ID NO. : 1C39 ELEVATION : 2445 TOTAL DEPTH : 13200
 OPERATOR : BEACH AND PINION WELL : NO.1 BRAINARD
 LOCATION : 660 FSL, 660 FWL SEC: 110 TNSP : 42 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP-BROWN DOLO.	3665	- 1220	5870	- 3425	360	2205	DOL, SH	
VIRGIL	5870	- 3425	7620	- 5175	----	1750	SH	
DOUGLAS SAND	6610	- 4165	7620	- 5175	60	1010	SD, SH	
MISSOURI	7620	- 5175	8210	- 5765	----	590	SH	
DES MOINES-MARMATON	8210	- 5765	8875	- 6430	----	665	LS, SH	
LOWER DM GHEROKEE	8875	- 6430	10280	- 7835	----	1405	SH	
ATOKA	10280	- 7835	10650	- 8205	----	370	SH	
MORROW	10650	- 8205	12660	-10215	210	2010	SD, SH	
MISS. (CHESTER)	12660	-10215	13200	-10755	----		LS, SH	TD

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

JUN 1971

COUNTY : RJ - HUTCHINSON WELL ID NO. : 2B13 ELEVATION : 3216 TOTAL DEPTH : 7900
 OPERATOR : TEXACO INC WELL : NO.1 HOLT
 LOCATION : 1980 FWL, 1980 FWL SEC: 52 TNSP : 5-T RNG : SUR : T+NO RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEARFORK-CIMARRON	1170	2046	2060	1156	----	890	SH, ANHY,SD	
RED CAVE	2060	1156	2370	846	----	310	SH, SD	
WICHITA-ALBANY	2370	846	3300	- 84	----	930	SH, ANHY	
WOLFCAMP-BROWN DULO.	3300	- 84	4390	- 1174	350	1090	DOL, SH	
VIRGIL	4390	- 1174	5330	- 2114	----	940	SH, SD	
DOUGLAS	4950	- 1734	5330	- 2114	180	380	SD, SH	
MISSOURI	5330	- 2114	5830	- 2614	105	500	SH, GRW	
DES MOINES-MARMATON	5830	- 2614	6030	- 2814	80	200	SH, GRW	
LOWER DM CHEROKEE	6030	- 2814	6275	- 3059	70	245	SH, GRW	
ATOKA	6275	- 3059	6430	- 3214	----	155	SH	
MURROW	6430	- 3214	6540	- 3324	30	110	SH, SD	
MISS. (CHESTER)	6540	- 3324	6540	- 3324	----	0	LS, SH	UNC
MERAMEC-KINDERHOOK	6540	- 3324	7150	- 3934	----	610	LS, SH	
WOODFORD	7150	- 3934	7187	- 3971	----	37	SH	
HUNTON	7187	- 3971	7295	- 4079	----	108	LS	
SYLVAN	7295	- 4079	7375	- 4159	----	80	SH	
VIOLA	7375	- 4159	7565	- 4349	----	190	LS	
SIMPSON	7565	- 4349	7710	- 4494	40	145	LS, SH	
ARBUCKLE	7710	- 4494	7900	- 4684	190+		DOL	TD

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

JUN 1971

COUNTY : PJ - HUTCHINSON WELL ID NO. : 2C2 ELEVATION : 3285 TOTAL DEPTH : 8284
 OPERATOR : GULF OIL CORP. WELL : NO.1 AMARILLO NB WISDOM UNIT
 LOCATION : 660 FS+WL SEC: 8 TNSP : M-23 RNG : SUR : TCRR SUR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CLEAR FORK-CIMARRON	1000	2285	2070	1215	----	1070	SH, ANHY, SD	
RED CAVE	2070	1215	2410	875	----	340	SH, SD	
WICHITA-ALBANY	2410	875	3010	275	----	600	SH, ANHY	
WOLFCAMP-BROWN DOLO.	3010	275	4180	- 895	335	1170	DOL, SH	
VIRGIL	4180	- 895	5170	- 1885	----	990	SH	
MISSOURI	5170	- 1885	5900	- 2615	240	730	SH, GRW	
DES MOINES-MARMATON	5900	- 2615	6250	- 2965	----	350	SH,	EST
LOWER DM CHEROKEE	6250	- 2965	6420	- 3135	----	170	SH,	EST
ATOKA	6420	- 3135	6485	- 3200	----	65	SH	
MORROW	6485	- 3200	6790	- 3505	60	305	SD, SH	
CHESTER-MISS.	6790	- 3505	6790	- 3505	----	0		UNC
MEREMAC-KINDERHOOK	6790	- 3505	7650	- 4365	----	860	LS, SH	
WOODFORD	7650	- 4365	7720	- 4435	----	70	SH	
HUNTON	7720	- 4435	7850	- 4565	----	130	LS	
SYLVAN	7850	- 4565	7930	- 4645	----	80	SH	
VIOLA	7930	- 4645	7990	- 4705	----	60	LS	
SIMPSON	7990	- 4705	8125	- 4840	55	135	LS, SH	
ARBUCKLE	8125	- 4840	8284	- 4999	----		DOL	TD

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

JUN 1971

COUNTY : RJ - HUTCHINSON WELL ID NO. : 2C6 ELEVATION : 3047 TOTAL DEPTH : 6563
 OPERATOR : GULF OIL CORP. WELL : NO.1-A WHITTENBURG
 LOCATION : 760 FNL+660 FNL SEC: 20 TNSP : 47 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	3050	- 3	4310	- 1263	160	1260	DOLO EST	ABV
VIRGIL	4310	- 1263	5040	- 1993	----	730	SH, GRW	
MO.-MORROW (UNDIFF.)	5040	- 1993	5890	- 2843	----	850	SH, SD	EST
MISS. (CHESTER)	5890	- 2843	5890	- 2843	0	0	LS, SH	UNC
MEREMAC-KINDERHOOK	5890	- 2843	5930	- 2883	----	40	LS, SH	
WOODFORD	5930	- 2883	6000	- 2953	----	70	SH	
HUNTON	6000	- 2953	6150	- 3103	----	150	LS	
SYLVAN	6150	- 3103	6200	- 3153	----	50	SH	
VIOLA	6200	- 3153	6295	- 3248	----	95	LS	
SIMPSON	6295	- 3248	6520	- 3473	60	225	LS, SH	
ARBUCKLE	6520	- 3473	6563	- 3516	43+		DOL	TD

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

JUN 1971

COUNTY : RJ - HUTCHINSON WELL ID NO. : 2C7 ELEVATION : 2914 TOTAL DEPTH : 8223
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.1 AMETHYST
 LOCATION : 1800 FEL,660 FSL SEC: 39 TNSP : 3 RNG : SUR : ELRR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	560	2354	990	1924	----	430	SH, SD	
CLEAR FORK-CIMARRON	990	1924	2038	876	----	1048	SH, ANHY, SD	
RED CAVE	2038	876	2355	559	----	317	SH, SD	
WICHITA-ALBANY	2355	559	3055	- 141	----	700	SH, ANHY	
WOLFCAMP-BROWN UOLO.	3055	- 141	4550	- 1636	380	1495	DOL, SH	
VIRGIL	4550	- 1636	5435	- 2521	----	885	SH, SD	
DOUGLAS SAND	5000	- 2086	5435	- 2521	105	435	SD, SH	
MISSOURI	5435	- 2521	6070	- 3156	----	635	SH	
DES MOINES	6070	- 3156	6490	- 3576	----	420	SH	
LOWER DM CHEROKEE	6490	- 3576	6905	- 3991	----	415	SH	
ATOKA	6905	- 3991	6962	- 4048	----	57	SH	
MORROW	6962	- 4048	7145	- 4231	90	183	SD, SH	
CHESTER-MISS.	7145	- 4231	7145	- 4231	0	0		UNC
MERAHEC-KINDERHOOK	7145	- 4231	7292	- 4378	----	147	LS, SH	
WOODFORD	7292	- 4378	7380	- 4466	----	88	SH	
HUNTON	7380	- 4466	7555	- 4641	----	175	LS	
SYLVAN	7555	- 4641	7688	- 4774	----	133	SH	
VIOLA	7688	- 4774	7845	- 4931	----	157	LS	
SIMPSON	7845	- 4931	8055	- 5141	50	210	LS, SH	
ARBUCKLE	8055	- 5141	8223	- 5309	168*		DOL	TD

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

JUN 1971

COUNTY : PJ - HUTCHINSON WELL ID NO. : 2C10 ELEVATION : 2974 TOTAL DEPTH : 7010
 OPERATOR : FEDERAL PETR. INC. WELL : NO.1 PRICE
 LOCATION : 1980 FSL,510 FEL SEC: 222 TNSP : 2 RNG : SUR : 1+6N RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMARRON	1150	1824	2110	864	----	960	SH, SD, ANHY	
RED CAVE	2110	864	2415	559	----	305	SH, SD	
WICHITA-ALBANY	2415	559	3070	- 96	----	655	SH, ANHY	
WOLFCAMP BROWN DOLO.	3070	- 96	4030	- 1056	485	960	DOL, SH	
VIRGIL	4030	- 1056	5200	- 2226	360	1170	SH, GRW	
MISSOURI-DES MOINES	5200	- 2226	6580	- 3606	----	1380	GRW	EST
ATOKA	6580	- 3606	6710	- 3736	----	130	SH	EST
MORROW	6710	- 3736	6890	- 3916	52	180	SH, SD	EST
MISS. - SIMPSON	6890	- 3916	6890	- 3916	0	0		UNC
ARBUCKLE	6890	- 3916	7010	- 4036	120+		DOL ERD	TD

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

JUN 1971

COUNTY : RJ - HUTCHISON WELL ID NO. : 2C12 ELEVATION : 3111 TOTAL DEPTH : 5457
 OPERATOR : TEXAS OIL AND GAS CO. WELL : NO.1 BIVINS
 LOCATION : 1911 FSL 966 FWL SEC: 89 TNSP : 46 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	1500	1611	1750	1361	----	250		
WICHITA-ALBANY	1750	1361	2140	971	----	390	SH, ANHY	
WOLFCAMP-BROWN DOLO.	2140	971	2890	221	140	750	DOL, SH	
VIRGIL	2890	221	3495	- 384	315	605	SH, GRW	
MO.-MORROW	3495	- 384	5380	- 2269	0	1885	SH, GRW, SD	EST
MISS.-ARBUCKLE	5380	- 2269	5380	- 2269	0	0		UNC
PRE-CAMBRIAN	5380	- 2269	5457	- 2346	----		GRT	TD

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

JUN 1971

COUNTY : PJ - HUTCHINSON WELL ID NO. : 2C13 ELEVATION : 3079 TOTAL DEPTH : 6280
 OPERATOR : J.M. HUBER CORP. WELL : NO. 43 WEATHERLY
 LOCATION : 2160 FEL 1230 FSL SEC: 26 TNSP : Y RNG : SUR : A+B

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	1645	1434	1920	1159	----	275	SH, SD	
WICHITA-ALBANY	1920	1159	2400	679	----	480	SH, ANHY	
WOLFCAMP-BROWN DULO.	2400	679	3270	- 191	142	870	DOL, SH	
VIRGIL	3270	- 191	4120	- 1041	248	850	SH, GRW	
MISSOURI	4120	- 1041	4735	- 1656	----	615	SH	
DES MOINES	4735	- 1656	5050	- 1971	----	315	SH	
LOWER DM CHEROKEE	5050	- 1971	5365	- 2286	----	315	SH	
ATOKA	5365	- 2286	5365	- 2286	----	0		UNC
MORROW	5365	- 2286	5587	- 2508	105	222	SD, SH	
MISS. (CHESTER)	5587	- 2508	5587	- 2508	----	0	LS, SH	UNC
MERAMEC-KINDERHOOK	5587	- 2508	5640	- 2561	----	53	LS, SH	
WOODFORD	5640	- 2561	5680	- 2601	----	40	SH	
HUNTON	5680	- 2601	5800	- 2721	----	120	LS	
SYLVAN	5800	- 2721	5850	- 2771	----	50	SH	
VIOLA	5850	- 2771	5920	- 2841	----	70	LS	
SIMPSON	5920	- 2841	6130	- 3051	80	210	LS, SH	
ARBUCKLE	6130	- 3051	6280	- 3201	150+	.	DOL	TD

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

JUN 1971

COUNTY : PJ - HUTCHINSON WELL ID NO. : 2C19 ELEVATION : 2933 TOTAL DEPTH : 9430
 OPERATOR : BROOKS HALL OIL CO. WELL : NO.1 HALEY
 LOCATION : 3353 FNL, 1957 FEL SEC : TNSP : RNG : SUR : JOHN GIBBS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP-BROWN DOLO.	3175	- 242	4220	- 1287	430	1045	DOL, SH	
VIRGIL	4220	- 1287	5360	- 2427	----	1140	SH, SD	
DOUGLAS	4970	- 2037	5360	- 2427	85	390	SD, SH	
MISSOURI	5360	- 2427	6040	- 3107	----	680	SH	
DES MOINES-MARMATON	6040	- 3107	6425	- 3492	----	385	SH	
LOWER DM CHEROKEE	6425	- 3492	6700	- 3767	55	275	SD, SH	
ATOKA	6700	- 3767	6870	- 3937	----	170	SH	
MORROW	6870	- 3937	7085	- 4152	40	215	SH, SD	
MISS. (CHESTER)	7085	- 4152	7085	- 4152	0	0	LS, SH	UNC
HERAMEC-KINDERHOOK	7085	- 4152	8345	- 5412	----	1260	LS, SH	
WOODFORD	8345	- 5412	8380	- 5447	----	35	SH	
HUNTON	8380	- 5447	8560	- 5627	----	180	LS	
SYLVAN	8560	- 5627	8685	- 5752	----	125	SH	
VIOLA	8685	- 5752	8860	- 5927	----	175	LS	
SIMPSON	8860	- 5927	9044	- 6111	25	184	LS, SH	
ARBUCKLE	9044	- 6111	9430	- 6497	386+		DOL.	TD

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

JUN 1971

COUNTY : RU - LAMB WELL ID NO. : 1A47 ELEVATION : 3784 TOTAL DEPTH : 9055

OPERATOR : HUNT OIL CO. WELL : NO.1 ROBERTSON

LOCATION : 660 FNL, 660 FEL SEC : TNSP : RNB : SUR : LAB 16 LGE 223 CCSL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP	
TRIASSIC	300	3484	2250	1534	330	SH,SD		
SANTA ROSA	1630	2154	2015	1769	150	SD		
SAN ANDRES	3180	604	4280	- 496	4280	LS,ANHY,SH		
GLORIETA	4280	- 496	4565	- 781	----	285		
CLEAR FORK	4565	- 781	6025	- 2241	----	1460	ANHY,LS,SH	
RED CAVE	6025	- 2241	6315	- 2531	----	290	SH,SD	
WICHITA	6315	- 2531	6900	- 3116	----	585	SH,LS,ANHY	
WOLFCAMP	6900	- 3116	7770	- 3986	450	870	DOL,SH	
PENNSYLVANIAN UND.	7770	- 3986	8570	- 4786	260	800	LS,SH	
MISSISSIPPIAN UND.	8570	- 4786	8935	- 5151	----	365	LS,SH	
ELLENBURGER	8935	- 5151	9050	- 5266	70	115	DOL	EST
PRE-CAMBRIAN	9050	- 5266	9055	- 5271	----		GRT	TD

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

JUN 1971

COUNTY : RU - LAMB WELL ID NO. : 1A48 ELEVATION : 3719 TOTAL DEPTH : 9315
 OPERATOR : ANDERSON-PRITCHARD WELL : NO.1 GETTY
 LOCATION : 1980 FSL, 1980 FWL SEC: 59 TNSP : 1 RNG : SUR : WE HALFEIL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	300	3419	1570	2149	240	1270	SH,SD	
SANTA ROSA	1320	2399	1520	2199	100	200	SD,SH	
SAN ANDRES	2720	999	3940	- 221	----	1220	LS,ANHY	
CLEAR FORK	3940	- 221	5683	- 1964	----	1743	SH,LS,ANHY	
RED CAVE	5683	- 1964	5950	- 2231	0	267	SH,SD	
WICHITA	5950	- 2231	6380	- 2661	----	430	LS,SH	EST
WOLFCAMP	6380	- 2661	7060	- 3341	400	680	DOL,SH	EST
PENNSYLVANIAN UND	7060	- 3341	8825	- 5106	----	1765		EST
CISCO (VIRGIL)	7060	- 3341	7750	- 4031	260	690		EST
CANYON (MISSOURI)	7750	- 4031	8320	- 4601	275	570	GRW,SH,SD	
STRAWN (DES MOINES)	8320	- 4601	8825	- 5106	120	505	SD,GRW,SH	EST
MISSISSIPPIAN UND.	8825	- 5106	9205	- 5486	280	380	LS,SH	
ELLENBURGER	9205	- 5486	9315	- 5596	100		DOL	TD
PRE-CAMBRIAN	9350	- 5631	9350	- 5631	----	0	GRT	EST

REMARKS
 ELLEN. THICKNESS ESTIMATED.

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

JUN 1971

COUNTY : RU - LAMB WELL ID NO. : 1A49 ELEVATION : 3561 TOTAL DEPTH : 9624
 OPERATOR : STANOLIND OIL CO. WELL : NO.1 HOPPING
 LOCATION :

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SEC :		TNSP :				
SANTA ROSA	1130	2431	1400	2161	140	270	SD,SH	
RED CAVE	5800	- 2239	6180	- 2619	----	380	SH,SD	
WICHITA	6180	- 2619	6625	- 3064	----	445	SH,LS	
WOLFCAMP	6625	- 3064	7450	- 3889	320	825	DOL,SH	EST
PENNSYLVANIAN	7450	- 3889	9070	- 5509	350	1620	LS,SH,SD	EST
MISSISSIPPIAN UND	9070	- 5509	9465	- 5904	160	395	LS,SH	
ELLENBURGER	9465	- 5904	9595	- 6034	----	130	DOL	
PRE-CAMBRIAN	9595	- 6034	9624	- 6063	----		GRT	TD

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REMARKS
 PENN. TOP AND NET THICKNESS 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 : RU - LAMB WELL ID NO. : 11A52 ELEVATION : 3467 TOTAL DEPTH : 9842
 OPERATOR : TEXAS AND MURCHISON WELL : NO.1 UNION COMP.
 LOCATION : 793 FNL. 440 FWL SEC : TNSP : RNG : SUR : LAB. 12, LGE. 664, SCL

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
WHITEHORSE GROUP	1950	1517	2970	497	----	1020	ANHY,SD	
SAN ANDRES	2970	497	4345	- 878	----	1375	DOL,ANHY	
GLORIETA	4345	- 878	4800	- 1333	----	455	SD,DOL	
LEONARD UNDIFF.	4800	- 1333	6875	- 3408	----	2075	DOL,ANHY	
WOLFCAMP	6875	- 3408	8240	- 4773	1100	1365	DOL	
PENNSYLVANIAN	8240	- 4773	9190	- 5723	440	950	LS,DOL,SD	
MISSISSIPPIAN	9190	- 5723	9675	- 6208	380	485	LS,CHT	
ELLENBURGER	9675	- 6208	9835	- 6368	----	160	DOL	
PRE-CAMBRIAN	9835	- 6368	9842	- 6375	----		GRT	TD

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

JUN 1971

COUNTY : SH - LIPSCOMB WELL ID NO. : 1B2 ELEVATION : 2805 TOTAL DEPTH : 9394
 OPERATOR : FALCON SEABOARD WELL : NO.1-65 SCHULTZ
 LOCATION : 1980 FNL, 1980 FEL SEC: 65 TNSP : 10 RNG : SUR : HT*8

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	3370	- 565	5110	- 2305	445	1740	DOLO	
VIRGIL	5110	- 2305	6330	- 3525	----	1220	SH, SD	
DOUGLAS SAND	5800	- 2995	6330	- 3525	45	530	SD, SH	
MISSOURI	6330	- 3525	7250	- 4445	----	920	SH, LS	
LANSING-KANSAS CITY	6490	- 3685	7250	- 4445	----	760	LS, SH	
DES MOINES (MARMATON)	7250	- 4445	7775	- 4970	----	525	SH	
LOW DM (CHEHOKEE)	7775	- 4970	8120	- 5315	----	345	SH	
ATOKA	8120	- 5315	8320	- 5515	----	200	SH, LS	
MORROW	8320	- 5515	9075	- 6270	50	755	SD, SH	
MISS. (CHESTER)	9075	- 6270	9394	- 6589	----		LS, SH	TD

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

JUN 1971

COUNTY : SH - LIPSCOMB WELL ID NO. : 186 ELEVATION : 2783 TOTAL DEPTH : 13234
 OPERATOR : GULF OIL CORP. WELL : NO.1-E PORTER #A#
 LOCATION : 660 FNL, 1980 FEL SEC: 413 TNSP : 43 RNG 1 SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	360	2423	725	2058	----	365	SH	EST
CLEAR FORK-CIMARRON	725	2058	2210	573	----	1485	ANHY, SH	EST
RED CAVE	2210	573	2555	228	----	345	SH, SD	
WICHITA-ALBANY	2555	228	3550	- 767	----	995	ANHY, SH	
WOLFCAMP BROWN DOLO.	3550	- 767	5080	- 2297	400	1530	DOL, SH	
VIRGIL	5080	- 2297	6420	- 3637	----	1340		
DOUGLAS SAND	6140	- 3357	6420	- 3637	120	280	SD	
MISSOURI	6420	- 3637	7635	- 4852	----	1215	SH, LS	
LANSING-KANSAS CITY	7300	- 4517	7635	- 4852	----	335	SH, LS	
DES MOINES (MARMATON)	7635	- 4852	8282	- 5499	----	647	SH, LS	
LOW. DM (CHEROKEE)	8282	- 5499	9185	- 6402	----	903		
ATOKA	9185	- 6402	9395	- 6612	----	210	SH, LS	
MORROW	9395	- 6612	10500	- 7717	----	1105	SH	
MISS. (CHESTER)	10500	- 7717	11560	- 8777	160	1060	LS, SH	
MERAMEC - KINDERHOOK	11560	- 8777	12995	-10212	1050	1435		
WOODFORD	12995	-10212	13055	-10272	----	60	SH	
HUNTON	13055	-10272	13100	-10317	----	45	LS	
SILVAN	13100	-10317	13185	-10402	----	85	SH, LS	
VIOLA	13185	-10402	13234	-10451	----		LS	TD

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 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : SH - LIPSCOMB WELL ID NO. : 1813 ELEVATION : 2891 TOTAL DEPTH : 14579
 OPERATOR : DIAMOND SHANROCK WELL : NO. 8 CITIZENS NB TRUSTEE G
 LOCATION : 1320 FNL, 1320 FEL SEC: 343 TNSP : 43 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMARRON	1050	1841	2235	656	----	1185	ANHY, SH	
RED CAVE	2235	656	2528	363	----	293	SH, SD	
WICHITA-ALBANY	2528	363	3704	- 813	----	1176	ANHY, SD, LS	
WOLFCAMP BROWN DOLO.	3704	- 813	5405	- 2514	625	1701	DOL	
VIRGIL	5405	- 2514	7190	- 4299	----	1785	SH, SD	
DOUGLAS SAND	6450	- 3559	7190	- 4299	185	740	SD, SH	
MISSOURI	7190	- 4299	8300	- 5409	----	1110	SH, LS	
LANSING-KANSAS CITY	7990	- 5099	8300	- 5409	----	310	LS, SH	
DES MOINES (MARMATON)	8300	- 5409	8990	- 6099	----	690	SH, LS	
LOW. DM (CHEROKEE)	8990	- 6099	9610	- 6719	----	620	SH	
ATOKA	9610	- 6719	9808	- 6917	----	198	SH, LS	
MORROW	9808	- 6917	10800	- 7909	----	992	SH	
MISS. (CHESTER)	10800	- 7909	11727	- 8836	----	927	LS, SH	
MERAMEC - KINDERHOOK	11727	- 8836	13200	-10309	----	1473	LS, SH	
WOODFORD	13200	-10309	13250	-10359	----	50	SH	
HUNTON	13250	-10359	13435	-10544	----	185	LS	
SYLVAN	13435	-10544	13490	-10599	----	55	SH	
VIOLA	13490	-10599	13825	-10934	----	335	LS	
SIMPSON	13825	-10934	14158	-11267	----	333	LS, SH	
ARBUCKLE	14158	-11267	14579	-11688	421+		DOL, LS	TD

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : SH - LIPSCOMB WELL ID NO. : 1B18 ELEVATION : 2556 TOTAL DEPTH : 9225
 OPERATOR : BLANCHARD DRUG CO. WELL : NO. 1 RUPPRECTH
 LOCATION : 660 FEL, 1980 FSL SEC : 96 TNSP : 10 RNG : SUR : MAY RUPPRECTH

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	1940	616	2310	246	----	370	SH, SD	
WICHITA-ALBANY	2310	246	3320	- 764	----	1010	ANHY, SH, SD	
WOLFCAMP BROWN DOLO.	3320	- 764	4875	- 2319	840	1555	DOL	
VIRGIL	4875	- 2319	6395	- 3839	----	1520	SH, SD	
DOUGLAS SAND	5800	- 3244	6395	- 3839	125	595	SD, SH	
MISSOURI	6395	- 3839	6910	- 4354	----	515	SH, LS	
LANSING-KANSAS CITY	6635	- 4079	6910	- 4354	----	275	LS, SH	
DES MOINES (MARMATON)	6910	- 4354	7460	- 4904	----	550	SH, LS	
LOW. DM (CHEROKEE)	7460	- 4904	8110	- 5554	----	650	SH, SD	
ATOKA	8110	- 5554	8300	- 5744	----	190	SH	
MORROW	8300	- 5744	9090	- 6534	140	790	SH, LS	
MISS. (CHESTER)	9090	- 6534	9225	- 6669	----		LS, SH	TD

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

JUN 1971

COUNTY : SH - LIPSCOMB WELL ID NO. : 1824 ELEVATION : 2569 TOTAL DEPTH : 10130
 OPERATOR : UNAPACHE OIL CORP. WELL : NO.1 HANSHU
 LOCATION : 1980 FNL, 1980 FWL SEC: 726 TNSP : 43 RNG : SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RED CAVE	2060	509	2400	169	----	340	SD, SH EST	ABV
WICHITA-ALBANY	2400	169	3405	- 836	----	1005	ANHY, SH	
WOLFCAMP BROWN DOLO.	3405	- 836	4950	- 2381	400	1545	DOL	
VIRGIL	4950	- 2381	6120	- 3551	----	1170	SH, SD	
DOUGLAS SAND	5892	- 3323	6120	- 3551	75	228	SD	
MISSOURI	6120	- 3551	7235	- 4666	----	1115	SH, LS	
LANSING-KANSAS CITY	6910	- 4341	7235	- 4666	----	325	LS, SH	
DES MOINES (MARMATON)	7235	- 4666	7935	- 5366	----	700	SH	
LOW, DM (CHEROKEE)	7935	- 5366	8725	- 6156	----	790	SH	
ATOKA	8725	- 6156	8957	- 6388	----	232	LS, SH	
MORROW	8957	- 6388	10000	- 7431	0	1043	SH	
MISS. (CHESTER)	10000	- 7431	10130	- 7561	----		LS	TD

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

JUN 1971

COUNTY : SH - LIPSCOMB WELL ID NO. : 1833 ELEVATION : 2359 TOTAL DEPTH : 14660
 OPERATOR : DIAMOND SHAMROCK WELL : NO.1 SMITH
 LOCATION : 1320 FSL, 1320 FWL SEC: 699 TNSP : 43 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	1960	399	2275	84	----	315	SH, SD	
WICHITA-ALBANY	2275	84	3415	- 1056	----	1140	SH, LS, ANHY	
WOLFCAMP BROWN DOLO.	3415	- 1056	5100	- 2741	450	1685	DOLO, SH	
VIRGIL	5100	- 2741	6740	- 4381	----	1640	SH, SH	
DOUGLAS SAND	6092	- 3733	6740	- 4381	120	648	SD, SH	
MISSOURI	6740	- 4381	7717	- 5358	----	977	SH, LS	
LANSING-KANSAS CITY	7610	- 5251	7717	- 5358	30	107	SH, LS	
DES MOINES (MARMATON)	7717	- 5358	8310	- 5951	----	593	SH	
LOW. DM (CHEROKEE)	8310	- 5951	8950	- 6591	----	640	SH, LS	
ATOKA	8950	- 6591	9112	- 6753	----	162	LS, SH	
MORROW	9112	- 6753	10110	- 7751	0	998	SH, LS	
MISS. (CHESTER)	10110	- 7751	10235	- 7876	----	125	LS, SH	
MERAMEC - KINDENHOOK	10235	- 7876	12620	- 10261	----	2385	LS, SH	
WOODFORD	12620	- 10261	12675	- 10316	----	55	SH	
HUNTON	12675	- 10316	12742	- 10383	----	67	LS	
SYLVAN	12742	- 10383	12825	- 10466	----	83	SH, LS	
VIOLA	12825	- 10466	13280	- 10921	----	455	LS	
SIMPSON	13280	- 10921	13495	- 11136	----	215	LS, SH, SD	
ARBUCKLE	13495	- 11136	14660	- 12301	165+		DOLO, LS	To

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

COUNTY : IT - MOORE WELL ID NO. : 1C31 ELEVATION : 3427 TOTAL DEPTH : 3305
 OPERATOR : CANADIAN RIVER GAS WELL : NO.1-A SNEED
 LOCATION : 1980 FNL, 660 FSL SEC: 75 TNSP : RNB : SUR : G+MB

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP	2080	1347	2635	792	----	555	DOL,SH	
ELLENBURGER	2635	792	3305	122	----		DOL, ERD	TD
PRE-CAMBRIAN	3350	77	3350	77	----	0		EST

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

COUNTY : TT - MOORE WELL ID NO. : 2C4 ELEVATION : 3228 TOTAL DEPTH : 6707
 OPERATOR : SHAMROCK OIL AND GAS WELL : NO.2 TAYLOR
 LOCATION : 1980 FNL, 1980 FWL SEC: TNSP : I RNG : SUR : J.POITEVENT

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	2450	778	3608	- 380	205	DOL, SH EST	ABV
VIRGIL	3608	- 380	4216	- 988	210	SH, GRW	
MISSOURI	4216	- 988	4660	- 1432	120	SH, GRW	EST
DES MOINES (MARMATON)	4660	- 1432	4910	- 1682	----	LS, SH	EST
LOW. DM (CHEROKEE)	4910	- 1682	5100	- 1872	----	SH, LS	
ATOKA	5100	- 1872	5260	- 2032	----	SH	
MORROW	5260	- 2032	5505	- 2277	50	SH, SD	
MERAMEC - KINDERHOOK	5505	- 2277	6060	- 2832	----	LS, SH	
WOODFORD - SYLVAN	6060	- 2832	6060	- 2832	0		UNC
VIOLA	6060	- 2832	6195	- 2967	----	LS,	ERD
SIMPSON	6195	- 2967	6334	- 3106	45	LS, SH	
ARBUCKLE	6334	- 3106	6707	- 3479	373*	DOL	TD

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

JUN 1971

COUNTY : II - MOORE WELL ID NO. : 2C22 ELEVATION : 3204 TOTAL DEPTH : 6500

OPERATOR : NATURAL GAS PIPELINE WELL : NO.1-1 BENNETT

LOCATION : 1980 N+2055 E OF CENTER SEC: 1 TNSP : M-1 RNG : SUR : BENNETT

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP BROWN DOLO.	2348	856	3340	- 136	240	992	DOL, SH	
VIRGIL	3340	- 136	4022	- 818	280	682	GRW	
MO. - MORW (UNDIFF.)	4022	- 818	4890	- 1686	----	868	GRW	EST
MERAMEC - KINDERHOOK	4890	- 1686	5500	- 2296	----	610	LS, SH	
WOODFORD - HUNTON	5500	- 2296	5500	- 2296	----	0		UNC
SYLVAN	5500	- 2296	5530	- 2326	----	30	SH, LS	ERD
VIOLA	5530	- 2326	5640	- 2436	----	110	LS	
SIMPSON	5640	- 2436	5750	- 2546	40	110	LS, SH	
ARBUCKLE	5750	- 2546	6500	- 3296	750+		DOL	TD

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

JUN 1971

COUNTY : UD - OCHILTREE WELL ID NO. : 183 ELEVATION : 2910 TOTAL DEPTH : 10578
 OPERATOR : LEWIS M. WELCH WELL : NO. 1 BRILLHART
 LOCATION : 1980 FEL, 660 FNL SEC: 926 TNSP : 43 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	400	2510	830	2080	----	430	SH	EST
CLEAR FORK-CIMARRON	830	2080	1960	950	----	1130	ANHY, SH	EST
RED CAVE	1960	950	2295	615	----	335	SH, SD	
WICHITA-ALBANY	2295	615	3210	- 300	----	915	ANHY, SH	
WOLFCAMP BROWN DOLO.	3210	- 300	4530	- 1620	340	1320	DOL, SH	
VIRGIL (T. PENN.)	4530	- 1620	5630	- 2720	----	1100	SH, SD	
DOUGLAS SAND	5375	- 2465	5630	- 2720	50	255	SD	
MISSOURI	5630	- 2720	6600	- 3690	----	970	SH, LS	
LANSING-KANSAS CITY	6170	- 3260	6600	- 3690	----	430	LS, SH	
DES MOINES (HARMATON)	6600	- 3690	7165	- 4255	----	565	SH	
LOW. DM (CHEROKEE)	7165	- 4255	7440	- 4530	----	275	SH	
ATOKA	7440	- 4530	7615	- 4705	----	175	SH, LS	
MORROW	7615	- 4705	8270	- 5360	50	655	SH	
MISS. (CHESTER)	8270	- 5360	8705	- 5795	----	435	LS, SH	
MERAMEC - KINDERHOOK	8705	- 5795	9770	- 6860	----	1065	LS, SH	
WOODFORD	9770	- 6860	9805	- 6895	----	35	SH	
HUNTON	9805	- 6895	9865	- 6955	----	60	LS, CHT	
SYLVAN	9865	- 6955	9905	- 6995	----	40	SH, LS	
VIOLA	9905	- 6995	10230	- 7320	----	325	LS	
SIMPSON	10230	- 7320	10362	- 7452	25	132		

WELL ID NO. I 183

CONTINUED

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
ARBUCKLE	10362	- 7452	10578	- 7668	216+		DOL	TD

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

JUN 1971

COUNTY : UD - OCHILTREE WELL ID NO. : 188 ELEVATION : 2891 TOTAL DEPTH : 11900
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.1-C LINA
 LOCATION : 1320 FSL, 1320 FWL SEC: 570 TNSP : 43 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	3450	- 559	4703	- 1812	295	1253	DOL, SH ABV	EST
VIRGIL	4703	- 1812	5920	- 3029	-----	1217	SH, SD	
DOUGLAS SAND	5620	- 2729	5920	- 3029	250	300	SD, SH	
MISSOURI	5920	- 3029	7100	- 4209	-----	1180		
LANSING-KANSAS CITY	6700	- 3809	7100	- 4209	-----	400	LS, SH	
DES MOINES (MARMATON)	7100	- 4209	7640	- 4749	-----	540	SH	
LOW. DM (CHEROKEE)	7640	- 4749	7983	- 5092	-----	343	SH	
ATOKA	7983	- 5092	8165	- 5274	-----	182	SH, LS	
MORROW	8165	- 5274	8945	- 6054	-----	780	SH	
MISS. (CHESTER)	8945	- 6054	9630	- 6739	-----	685	SH, LS	
MERAMEC - KINDENHOOK	9630	- 6739	10945	- 8054	-----	1315	LS, SH	
WOODFORD	10945	- 8054	11045	- 8154	-----	100	SH	
HUNTON	11045	- 8154	11085	- 8194	40	40	LS	
SYLVAN	11085	- 8194	11158	- 8267	-----	73	SH, LS	
VIOLA	11158	- 8267	11495	- 8604	-----	337	LS	
SIMPSON	11495	- 8604	11665	- 8774	40	170	LS, SH, SD	
ARBUCKLE	11665	- 8774	11900	- 9009	235+		DOL	TD

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JUN 1971

COUNTY : UD - OCHILTREE WELL ID NO. : 1B10 ELEVATION : 3077 TOTAL DEPTH : 11640
 OPERATOR : GULF OIL CORP. WELL : NO.1-A WAMBLE
 LOCATION : APPROX. 3000 FS+EL OF SURSEC: TNSP : RNG : SUR : J. J. BALINTINE

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMARRON	980	2097	2150	927	----	1170	ANHY, SH	EST
RED CAVE	2150	927	2485	592	----	335	SD, SH	
WICHITA-ALBANY	2485	592	3452	- 375	----	967	ANHY, SH	
WOLFCAMP BROWN DOLO.	3452	- 375	4850	- 1773	345	1398	DOL	
VIRGIL	4850	- 1773	5930	- 2853	----	1080	SH, SD	
DOUGLAS SAND	5550	- 2473	5930	- 2853	90	380	SD, SH	
MISSOURI	5930	- 2853	6915	- 3838	----	985	SH, LS	
LANSING-KANSAS CITY	6650	- 3573	6915	- 3838	20	265	LS, SH	
DES MOINES (MARMATON)	6915	- 3838	7395	- 4318	----	480	SH	
LOW. DM (CHEROKEE)	7395	- 4318	7925	- 4848	----	530	SH	
ATOKA	7925	- 4848	8150	- 5073	----	225	LS, SH	
MORROW	8150	- 5073	8945	- 5868	80	795	SH, SD	
MISS. (CHESTER)	8945	- 5868	9335	- 6258	----	390	LS, SH	
MERAMEC - KINDERHOOK	9335	- 6258	10590	- 7513	----	1255	LS	
WOODFORD	10590	- 7513	10722	- 7645	----	132	SH	
HUNTON	10722	- 7645	10835	- 7758	----	113	LS	
SYLVAN	10835	- 7758	10902	- 7825	----	67	SH	
VIOLA	10902	- 7825	11235	- 8158	----	333	LS, DOL	
SIMPSON	11235	- 8158	11400	- 8323	40	165	SH, LS	
ARBUCKLE	11400	- 8323	11640	- 8563	240+		DOL, LS	TD

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 CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : UD - OCHILTREE WELL ID NO. : 1816 ELEVATION : 2861 TOTAL DEPTH : 9000
 OPERATOR : SINCLAIR OIL CO. WELL : NO.1 SCHULTZ
 LOCATION : 1980 FSL, 1980 FWL SEC: TNSP : 43 RNG : SUR : H+TC RR SEC 1178

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE	405	2456	1090	1771	----	685	SH, ANHY	EST
CLEAR FORK-CIMARRON	1090	1771	2030	831	----	940	ANHY, SH	EST
RED CAVE	2030	831	2410	451	----	380	SH, SD	
WICHITA-ALBANY	2410	451	3360	- 499	----	950	ANHY, SH	
WOLFCAMP BROWN DOLO.	3360	- 499	4690	- 1829	----	1330	DOL	
VIRGIL	4690	- 1829	5825	- 2964	----	1135	SH, SD	
DOUGLAS SAND	5570	- 2709	5825	- 2964	50	255	SD, SH	
MISSOURI	5825	- 2964	6892	- 4031	----	1067	SH, LS	
LANSING-KANSAS CITY	6290	- 3429	6892	- 4031	----	602	LS, SH	
DES MOINES (MARMATON)	6892	- 4031	7360	- 4499	----	468	SH	
LOW. DM (CHEROKEE)	7360	- 4499	7900	- 5039	----	540	SH, LS	
ATOKA	7900	- 5039	8090	- 5229	----	190	LS, SH	
MORROW	8090	- 5229	8800	- 5939	25	710	SH	
MISS. (CHESTER)	8800	- 5939	9000	- 6139	----		LS, SH	TD

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JUN 1971

COUNTY : UD - OCHILTREE WELL ID NO. : 1830 ELEVATION : 2863 TOTAL DEPTH : 10995
 OPERATOR : HUMBLE OIL AND REF. WELL : NO.1 CLEM FLOWERS
 LOCATION : 1980 FNL, 1980 FWL SEC: 123 TNSP : 43 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	440	2423	590	2273	----	150	ANHY, SH	EST
CLEAR FORK-CIMARRON	590	2273	2250	613	----	1660	ANHY, SH	EST
RED CAVE	2250	613	2650	213	----	400	SH, SD	
WICHITA-ALBANY	2650	213	3730	- 867	----	1080	ANHY, SD	
WOLFCAMP BROWN DOLO.	3730	- 867	5060	- 2197	600	1330	DOL	
VIRGIL	5060	- 2197	6520	- 3657	----	1460	SH, SD	
DOUGLAS SAND	6202	- 3339	6520	- 3657	150	318	SD, SD	
MISSOURI	6520	- 3657	7600	- 4737	----	1080	SH, LS	
LANSING-KANSAS CITY	7270	- 4407	7600	- 4737	----	330	LS, SH	
DES MOINES (MARMATON)	7600	- 4737	8370	- 5507	----	770	SH	
LOW DM. (CHEROKEE)	8370	- 5507	9360	- 6497	----	990	SH	
ATOKA	9360	- 6497	9542	- 6679	----	182	SH, LS	
MORROW	9542	- 6679	10900	- 8037	0	1358	SH	
MISS. (CHESTER)	10900	- 8037	10995	- 8132	----		SH, LS	TD

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JUN 1971

COUNTY : UD - OCHILTREE WELL ID NO. : 1832 ELEVATION : 3006 TOTAL DEPTH : 8315
 OPERATOR : SUPERIOR OIL CO. WELL : NO.1 TEVIS UNIT
 LOCATION : 660 FNL, 660 FEL SEC: 20 TNSP : 4 RNG : SUR : CH+H

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	590	2410	1090	1916	----	500	ANHY, SH	EST
CLEAR FORK-CIMARRON	1090	1916	1922	1084	----	832	ANHY, SH	EST
RED CAVE	1922	1084	2255	751	----	333	SH, SD	
WICHITA-ALBANY	2255	751	3205	- 199	----	950	ANHY,LS,SH	
WOLFCAMP BROWN DOLO.	3205	- 199	4360	- 1354	410	1155	DOL	
VIRGIL	4360	- 1354	5525	- 2519	----	1165	SH, SD	
DOUGLAS SAND	5195	- 2189	5525	- 2519	100	330	SD, SH	
MISSOURI	5525	- 2519	6413	- 3407	----	888	SH, LS	
LANSING-KANSAS CITY	5810	- 2804	6413	- 3407	----	603	SH, LS	
DES MOINES (MARMATON)	6413	- 3407	6850	- 3844	----	437	SH	
LOW. DM (CHEROKEE)	6850	- 3844	7218	- 4212	----	368	SH	
ATOKA	7218	- 4212	7396	- 4390	----	178	SH, LS	
MORROW	7396	- 4390	8140	- 5134	58	744	SH	
MISS. (CHESTER)	8140	- 5134	8315	- 5309	----		LS, SH	TD

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

JUN 1971

COUNTY : UD - OCHILTREE WELL ID NO. : 288 ELEVATION : 3069 TOTAL DEPTH : 10640
 OPERATOR : GULF OIL CORP. WELL : NO.1 STUMP
 LOCATION : 2000 FSL,1980 FWL SEC: 12 TNSP : 4 RNG : SUR : T+NO RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMAHRON	1135	1934	1990	1079	----	855	SH, ANHY,SD	
RED CAVE	1990	1079	2320	749	----	330	SH, SD	
WICHITA-ALBANY	2340	729	3275	- 206	----	935	SH, ANHY	
WOLFCAMP-BROWN DOLO.	3275	- 206	4690	- 1621	420	1415	DOL, SH	
VIRGIL	4690	- 1621	5640	- 2571	----	950	SH	
DOUGLAS	5210	- 2141	5640	- 2571	210	430	SD, SH	
MISSOURI	5640	- 2571	6440	- 3371	----	800	SH	
DES MOINES-MARMATON	6440	- 3371	6760	- 3691	----	320	SH, LS	
LOWER DM CHEROKEE	6760	- 3691	7360	- 4291	----	600	SH	
ATOKA	7360	- 4291	7500	- 4431	----	140	SH	
MORROW	7500	- 4431	8255	- 5186	180	755	SD, SH	
MISS. (CHESTER)	8255	- 5186	8620	- 5551	140	365	LS, SH	
MERAMEC-KINDERHOOK	8620	- 5551	9880	- 6811	----	1260	LS, SH	
WOODFORD	9880	- 6811	9900	- 6831	----	20	SH	
HUNTON	9900	- 6831	9970	- 6901	----	70	LS	
SYLVAN	9970	- 6901	10095	- 7026	----	125	SH	
VIOLA	10095	- 7026	10325	- 7256	----	230	LS	
SIMPSON	10325	- 7256	10442	- 7373	----	117	LS, SH	
ARBUCKLE	10442	- 7373	10640	- 7571	198+		DOL	TD

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

JUN 1971

COUNTY : UD - OCHILTREE WELL ID NO. : 2B10 ELEVATION : 3070 TOTAL DEPTH : 10181
 OPERATOR : TEXACO INC. WELL : NO.1-A DANIELS
 LOCATION : 660 FNL, 660 FEL SEC: 139 TNSP : 4-T RNG : SUR : T+NO RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CINARRON	1125	1945	2060	1010	----	935	SH, ANHY, SD	
RED CAVE	2060	1010	2400	670	----	340	SH, SD	
WICHITA-ALBANY	2400	670	3302	- 232	----	902	SH, ANHY	
WOLFCAMP-BROWN DOLO,	3302	- 232	4570	- 1500	340	1268	DOL, SH	
VIRGIL	4570	- 1500	5692	- 2622	----	1122	SH, SD	
DOUGLAS SAND	5205	- 2135	5692	- 2622	220	487	SD, SH	
MISSOURI	5692	- 2622	6522	- 3452	30	830	SH, SD	
DES MOINES-MARMATON	6522	- 3452	6975	- 3905	----	453	SH, LS	
LOWER DM CHEROKEE	6975	- 3905	7350	- 4280	----	375	SH	
ATOKA	7350	- 4280	7492	- 4422	----	142	SH, LS	
MORROW	7492	- 4422	8068	- 4998	20	576	SH, SD	
MISS. (CHESTER)	8068	- 4998	8205	- 5135	----	137	LS, SH	
MERAMEC-KINDERHOOK	8205	- 5135	9360	- 6290	----	1155	LS, SH	
WOODFORD	9360	- 6290	9408	- 6338	----	48	SH	
HUNTON	9408	- 6338	9505	- 6435	----	97	LS	
SYLVAN	9505	- 6435	9632	- 6562	----	127	SH	
VIOLA	9632	- 6562	9820	- 6750	----	188	LS	
SIMPSON	9820	- 6750	9985	- 6915	40	165	LS, SH	
ARBUCKLE	9985	- 6915	10181	- 7111	196+		DOL	TD

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

JUN 1971

COUNTY : UH - OLDHAM WELL ID NO. : 1A9 ELEVATION : 3259 TOTAL DEPTH : 9058
 OPERATOR : SHELL OIL CO. WELL : NO.1 LS RANCH
 LOCATION : 11542 S, 643 E OF NW/4 SEC : TNSP : RNG : SUR : LGE 304, S.C.L.

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	680	2579	1540	1719	0	860	ANHY, SH	
CLEAR FORK-CIMARRON	1540	1719	2680	579	0	1140	SH, ANHY	
RED CAVE	2680	579	3680	- 421	0	1000	SD, SH	
WICHITA-ALBANY	3680	- 421	4320	- 1061	----	640	LS, ANHY	
WOLFCAMP	4320	- 1061	6395	- 3136	700	2075	DOL, SH	
PENNSYLVANIAN	6395	- 3136	9035	- 5776	----	2640	SH, LS	
CISCO (VIRGIL)	6395	- 3136	7560	- 4301	0	1165	SH	
CANYON (MISSOURI)	7560	- 4301	8190	- 4931	0	630	SH	
STRAWN (DES MOINES)	8190	- 4931	8510	- 5251	90	320	LS, SH	
ATOKA - MORROW UND.	8510	- 5251	9035	- 5776	----	525	SH, LS	EST
MISS.- ARBUCKLE	9035	- 5776	9035	- 5776	----	0		UNC
PRE-CAMBRIAN	9035	- 5776	9058	- 5799	----		GRT	TD

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

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : UH - OLDHAM WELL ID NO. : 1A10 ELEVATION : 3643 TOTAL DEPTH : 7664
 OPERATOR : SHELL OIL CO. WELL : NO.1-B ALAMOS
 LOCATION : NW-SW SEC: 13 TNSP : H-3 RNG : SUR : CRL

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	495	3148	1570	2073	0	1075	ANHY, SH	
CLEAR FORK-CIMARRON	1570	2073	3005	638	0	1435	ANHY, SH	
RED CAVE	3005	638	4010	- 367	90	1005	SD, SH, ANHY	
WICHITA	4010	- 367	4465	- 822	----	455	ANHY, SH	
WOLFCAMP	4465	- 822	5825	- 2182	490	1360	DOL, SH	
PENNSYLVANIAN	5825	- 2182	7605	- 3962	----	1780	LS, SH	
CISCO (VIRGIL)	5825	- 2182	6670	- 3027	80	845	LS, SH	
CANYON (MISSOURI)	6670	- 3027	7405	- 3762	520	735	LS, SD	
STRAWN (DES MOINES)	7405	- 3762	7605	- 3962	160	200	SD, LS	
ATOKA - ARBUCKLE	7605	- 3962	7605	- 3962	----	0		UNC
PRE-CAMBRIAN	7605	- 3962	7664	- 4021	----		GRT	TD

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

JUN 1971

COUNTY : UH - OLDMAN WELL ID NO. : 1A11 ELEVATION : 3730 TOTAL DEPTH : 6114
 OPERATOR : PAN AMERICAN WELL : NO.1 GREEN
 LOCATION : NE-NW SEC: 36 TNSP : #2 RNG : SUR : LGE 320, ABST 374

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	480	3250	2360	1370	0	1880	ANHY, SH	
CLEAR FORK	2360	1370	3340	390	0	980	SH, ANHY	
RED CAVE	3340	390	3915	- 185	120	575	SD, SH	
WICHITA	3915	- 185	4260	- 530	----	345	DOL, ANHY	
WOLFCAMP	4260	- 530	5455	- 1725	600	1195	DOL, SH	
PENNSYLVANIAN	5455	- 1725	6090	- 2360	----	635	SH, LS, GRW	
CISCO (VIRGIL)	5455	- 1725	6090	- 2360	150	635	SH, LS, GRW	
MISSOURI - ARBUCKLE	6090	- 2360	6090	- 2360	----	0		UNC
PHE-CAMBRIAN	6090	- 2360	6114	- 2384	----		GRT	TD

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

JUN 1971

COUNTY : UM - OLDHAM WELL ID NO. : 1A12 ELEVATION : 4020 TOTAL DEPTH : 6897
 OPERATOR : SUPERIOR OIL CO. WELL : NO.1 MATADOR
 LOCATION : 3103 S, 7621 W OF NE/C SEC: TNSP : RNG : SUR : LGE 328, S.C.L.

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	695	3325	2360	1660	0	1665	SH, ANHY	
CLEAR FORK	2360	1660	3340	680	195	980	SH, SD, ANHY	
RED CAVE	3340	680	4200	- 180	120	860	SD, SH	
WICHITA	4200	- 180	4555	- 535	0	355	DOL, ANHY	
WOLFCAMP	4555	- 535	5790	- 1770	620	1235	DOL, SH	
PENNSYLVANIAN	5790	- 1770	6835	- 2815	----	1045	LS, SD	
CISCO (VIRGIL)	5790	- 1770	6540	- 2520	350	750	LS, SD	
CANYON (MISSOURI)	6540	- 2520	6635	- 2615	40	95	LS, SD	
STRAWN (DES MOINES)	6635	- 2615	6835	- 2815	180	200	SD	
ATOKA - ANBUCKLE	6835	- 2815	6835	- 2815	----	0		UNC
PRE-CAMBRIAN	6835	- 2815	6897	- 2877	----		GRT	TD

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

JUN 1971

COUNTY : UH - OLDHAM WELL ID NO. : 1A13 ELEVATION : 4143 TOTAL DEPTH : 8640

OPERATOR : SUPERIOR OIL CO. WELL : NO.1-A HOWARD

LOCATION : NW-SE SEC: TNSP : 85 RNG : K-6 SUR : GB+CNG

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GUADALUPE (UNDIFF.)	985	3158	2885	1258	0	1900	ANHY, SH	
CLEAR FORK	2885	1258	3885	258	150	1000	SH, SD	
RED CAVE	3880	263	4900	- 757	30	1020	SH, ANHY	
WICHITA	4900	- 757	5335	- 1192	50	435	DOL, ANHY	
WOLFCAMP	5335	- 1192	6470	- 2327	620	1135	DOL, SH	
PENNSYLVANIAN	6470	- 2327	8610	- 4467	----	2140	SH, LS, SD	
CISCO (VIRGIL)	6470	- 2327	7035	- 2892	200	565	SH, LS	
CANYON (MISSOURI)	7035	- 2892	7400	- 3257	140	365	SH, LS	
STRAWN (DES MOINES)	7400	- 3257	8610	- 4467	550	1210	SD, LS	
ATOKA - ARBUCKLE	8610	- 4467	8610	- 4467	----	0		UNC
PRE-CAMBRIAN	8610	- 4467	8640	- 4497	----		GRT	TD

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

JUN 1971

COUNTY : UH - OLDHAM WELL ID NO. : 1A26 ELEVATION : 3881 TOTAL DEPTH : 6884
 OPERATOR : LIVERMORE INC. WELL : NO. 1 MOSEM
 LOCATION : 660 FNL, 660 FEL SEC : 26 TNSP : RNG : SUR : 7N-1E

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SAN ANDRES EQV.	2170	1711	2680	1201	0	510	ANHY, SH	
CLEAR FORK-CIMARRON	2680	1201	3290	591	0	610	SH, ANHY	EST
RED CAVE	3290	591	4375	- 494	340	1085	SD, SH	
WICHITA	4375	- 494	4680	- 799	0	305	SH	EST
WOLFCAMP	4680	- 799	5780	- 1899	210	1100	DOL, GRW	
PENNSYLVANIAN UND.	5780	- 1899	6740	- 2859	----	960	GRW, SH	EST
VIRGIL - DES MOINES	5780	- 1899	6740	- 2859	350	960	GRW, SH	EST UND
ATOKA - ELLENBURGER	6740	- 2859	6740	- 2859	----	0		UNC
PRE-CAMBRIAN	6740	- 2859	6884	- 3003	----		GRT	TD

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

JUN 1971

COUNTY : UH - OLDHAM WELL ID NO. : 1A30 ELEVATION : 3837 TOTAL DEPTH : 3986
 OPERATOR : BRITISH AMERICAN WELL : NO.1 ALBAUGA
 LOCATION :

FORMATION	DEPTH	TOP	DEPTH	BASE	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
		SUB-SEA		SUB-SEA				
RED CAVE	1780	2057	2450	1387	190	670	SH, SD	
WICHITA	2450	1387	2630	1207	----	180	LS, SH	
WOLFCAMP	2630	1207	3986	- 149	----		SH, DOL EST	TD

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

JUN 1971

COUNTY : UH - OLDHAM WELL ID NO. : 1A31 ELEVATION : 3861 TOTAL DEPTH : 5499
 OPERATOR : SUPERIOR OIL CO. WELL : NO.3 MATADOR
 LOCATION : 000 FNL, 3300 FWL SEC: TNSP : RNG : SUR : LGE 31 CAPITOL LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES EQV.	750	3111	1390	2471	----	640	ANHY, SH	
CLEAR FORK-CIMARRON	1390	2471	2820	1041	----	1430	ANHY, SD, SH	
RED CAVE	2820	1041	3364	497	----	544	SD, SH	
WICHITA	3365	496	3670	191	----	305	LS, SH	
WOLFCAMP	3670	191	4820	- 959	300	1150	LS, SH	
PENNSYLVANIAN	4820	- 959	5460	- 1599	----	640	SH, LS	
CISCO (VIRGIL)	4820	- 959	5460	- 1599	80	640	SH, LS	
LOWER PENN. - ELLEN,	5460	- 1599	5460	- 1599	----	0		UNC
PRE-CAMBRIAN	5460	- 1599	5499	- 1638	----		GRT	TD

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

JUN 1971

COUNTY : UR - PARMER WELL ID NO. : 1A35 ELEVATION : 4004 TOTAL DEPTH : 9622
 OPERATOR : GULF OIL CORP. WELL : NO.1-A KELIEMOK
 LOCATION : 1980 FNL, 660 FWL SECT : TNSP : RNG : SUR : LOT 5 LGE 2, BROWN SUBD.

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	310	3694	1450	2554	260	1140	SH, SD	EST
SANTA ROSA	990	3014	1360	2644	230	370	SD, SH	
SAN ANDRES	2310	1694	3520	484	0	1210	ANHY	
CLEAR FORK-CINARRON	3520	484	5390	- 1386	0	1870	ANHY, SH	
RED CAVE	5390	- 1386	5820	- 1816	50	430	SH, SD	EST
WICHITA	5820	- 1816	6820	- 2816	----	1000	SH, LS	
WOLFCAMP	6430	- 2426	7390	- 3386	250	960	SH, LS	
PENNSYLVANIAN	7390	- 3386	9365	- 5361	----	1975	SH, LS	
CISCO (VIRGIL)	7390	- 3386	7740	- 3736	115	350	SH, LS	
CANYON (MISSOURI)	7740	- 3736	8410	- 4406	120	670	LS, SD, SH	
STRAWN (DES MOINES)	8410	- 4406	9365	- 5361	260	955	SD, SH	
MISSISSIPPIAN UND	9365	- 5361	9565	- 5561	70	200	LS, SH	
PRE-CAMBRIAN	9565	- 5561	9622	- 5618	----		GRT	TD

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

JUN 1971

COUNTY : UR - PARMER WELL ID NO. : 1A36 ELEVATION : 4165 TOTAL DEPTH : 9720
 OPERATOR : U.S. SMELTING WELL : NO.1-A OSBORN
 LOCATION : 1980 FNL, 660 FEL SEC: 5 TNSP : 1-N RNG : 3-E SUR : CAPITOL SYND. LANDS

FORMATION	DEPTH	TOP SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	360	3805	1585	2580	390	1225	SH, SD	EST
SANTA ROSA	920	3245	1500	2665	350	580	SD, SH	
SAN ANDRES	2520	1645	3670	495	----	1150	ANHY	
CLEAR FORK-CIMARRON	3670	495	5615	- 1450	----	1945	ANHY, SH, LS	
RED CAVE	5615	- 1450	6130	- 1965	0	515	SH, SD	
WICHITA	6130	- 1965	6590	- 2425	----	460	LS, SH	
WOLFCAMP	6590	- 2425	7020	- 2855	160	430	DOL, SH	
PENNSYLVANIAN	7020	- 2855	9420	- 5255	----	2400	SH, LS	
CISCO (VIRGIL)	7020	- 2855	7470	- 3305	160	450	LS, SH	EST
CANYON (MISSOURI)	7470	- 3305	8020	- 3855	220	550	LS, SH, SD	
STRAWN (DES MOINES)	8020	- 3855	9420	- 5255	640	1400	SD, SH	
MISSISSIPPIAN	9420	- 5255	9635	- 5470	160	215	LS, SH	
MISS. - ELLENBURGER	9635	- 5470	9635	- 5470	----	0		UNC
PRE-CAMBRIAN	9635	- 5470	9720	- 5555	----		GRT	TD

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

JUN 1971

COUNTY : UR - FARMER WELL ID NO. : 1A37 ELEVATION : 4177 TOTAL DEPTH : 8161
 OPERATOR : STANOLIND OIL CO. WELL : NO.1 JARRELL
 LOCATION : NW-NE SEC: 19 TNSP : B RNG : SUR : CAPITOL LAND

FORMATION	DEPTH	TOP	SUB-SEA	DEPTH	BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SANTA ROSA	1040		3137	1490		2687	190	450	SD,SH	
SAN ANDRES	2820		1357	3680		497	----	800	ANHY	
CLEAR FORK-CIMARRON	3680		497	5640		- 1463	----	1960	ANHY,SH,LS	
RED CAVE	5640		- 1463	6340		- 2163	----	700	SD,SH	
WICHITA	6340		- 2163	6540		- 2363	----	200	SH,LS	
WOLFCAMP	6540		- 2363	7010		- 2833	----	470	DOL,SH	
PENNSYLVANIAN	7010		- 2833	7980		- 3803	----	970	SH, LS	
CISCO (VIRGIL)	7010		- 2833	7430		- 3253	----	420	SH,LS	
CANYON (MISSOURI)	7430		- 3253	7740		- 3563	----	310	LS,SH	EST
STRAWN (DES MOINES)	7740		- 3563	7980		- 3803	----	240	SD,LS,SH	EST
MISSISSIPPIAN	7980		- 3803	8160		- 3983	----	180	SH,LS	EST
PRE-CAMBRIAN	8160		- 3983	8161		- 3984	----		GRT	TD

REMARKS
 NO NET THICKNESSES PICKED 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 : UR - PARMER WELL ID NO. : 1A38 ELEVATION : 3985 TOTAL DEPTH : 9432

OPERATOR : SUNRAY OIL CO. WELL : NO.1 KIMBROUGH

LOCATION : SEC: 23 TNSP : RNG : SUR : DOUD AND KEEFER

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	5935	- 1950	6200	- 2215	0	265	SH	
WICHITA	6200	- 2215	6585	- 2600	----	385	LS,SH	
WOLFCAMP	6585	- 2600	7225	- 3240	200	640	SH,DOL	
PENNSYLVANIAN	7225	- 3240	8660	- 4675	----	1435	LS, SH	
CISCO (VIRGIL)	7225	- 3240	7640	- 3655	120	415	LS,SH	EST
CANYON (MISSOURI)	7640	- 3655	8080	- 4095	180	440	LS,SH,SD	EST
STRAWN (DES MOINES)	8080	- 4095	8660	- 4675	95	580	SD,SH	
MISSISSIPPIAN	8660	- 4675	8850	- 4865	100	190	LS,CHT,SH	
PRE-CAMBRIAN	8850	- 4865	9432	- 5447	----		GRW, GRT	TD

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

JUN 1971

COUNTY : UU - PUTTER WELL ID NO. : 1A90 ELEVATION : 3428 TOTAL DEPTH : 6161

OPERATOR : SINCLAIR WELL : NO.1-A BUSH

LOCATION : APPROX. 990 FNL, 990 FEL SEC: 22 TNSP : 6 RNG : SUR : BS+F

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WICHITA	2835	593	3400	28	----	565	LS,SH	
WOLFCAMP	3400	28	4890	- 1462	750	1490	DOL,LS,SH	
PENNSYLVANIAN UND.	4890	- 1462	5980	- 2552	450	1090	GRW,SH,LS	
PRE-CAMBRIAN	5980	- 2552	6161	- 2733	----		GRT	TD

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

JUN 1971

COUNTY : UY - RANDALL WELL ID NO. : 1A32 ELEVATION : 3699 TOTAL DEPTH : 8656
 OPERATOR : FRANKFORT OIL CO. WELL : NO.1-B STINNETT
 LOCATION : NE-NE SEC: 56 TNSP : K-14 RNG : SUR : TT RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SANTA ROSA	550	3149	725	2974	130	175	SD,SH	EST
SAN ANDRES	1790	1909	2890	809	0	1100	ANHY	
CLEAR FORK-CIMARRON	2890	809	4650	- 951	0	1760	SH,ANHY	
RED CAVE	4650	- 951	4980	- 1281	120	330	SH,SD	
WICHITA	4980	- 1281	5200	- 1501	----	220	SH,LS	
WOLFCAMP	5200	- 1501	6430	- 2731	240	1230	DOL,LS,SH	
PENNSYLVANIAN	6430	- 2731	8615	- 4916	----	2185	SH,LS,SD	
CISCO (VIRGIL)	6430	- 2731	6820	- 3121	0	390	LS,SH	EST
CANYON (MISSOURI)	6820	- 3121	7505	- 3806	290	685	SD,SH,LS	
STRAWN (DES MOINES)	7505	- 3806	8615	- 4916	340	1110	SD,SH	
ATOKA - ELLENBURGER	8615	- 4916	8615	- 4916	----	0		UNC
PRE-CAMBRIAN	8615	- 4916	8656	- 4957	----		GRT	TD

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

JUN 1971

COUNTY : UY - RANDALL WELL ID NO. : 1A33 ELEVATION : 3580 TOTAL DEPTH : 7792
 OPERATOR : FRANKFORT OIL CO. WELL : NO.1 ERWIN
 LOCATION : 900 FSL. 600 FEL SEC: 117 TNSP : 2 RNG : SUR : AB+M

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NFT THICK	GROSS THICK	LITHOLOGY	TYPE TOP
SAN ANDRES EQV.	1300	2280	2275	1305	0	975	ANHY,SLT	
CLEAR FORK-CIMARRON	2275	1305	3775	- 195	0	1500	ANHY,SH	
RED CAVE	3775	- 195	4165	- 585	100	390	SD,SH	
WICHITA	4165	- 585	4680	- 1100	----	515	SH,LS	
WOLFCAMP	4680	- 1100	6230	- 2650	280	1550	SH,DOL	
PENNSYLVANIAN	6230	- 2650	7750	- 4170	----	1520	SH,SD,LS	
CISCO (VIRGIL)	6230	- 2650	7040	- 3460	40	810	SH	
LOWER PENN. UND	7040	- 3460	7750	- 4170	90	710	SH,LS,SD	
MISS. - ELLENBURGER	7750	- 4170	7750	- 4170	----	0		UNC
PRE-CAMBRIAN	7750	- 4170	7792	- 4212	----		GRT	TD

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

JUN 1971

COUNTY : UY - HANDALL WELL ID NO. : 1A34 ELEVATION : 3661 TOTAL DEPTH : 8436
 OPERATOR : FRANKFORT OIL CO. WELL : NO.1 GROGAN
 LOCATION : 1980 FWL, 660 FNL SEC: 205 TNSP : 6 RNG : SUR : I+GN

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	160	3501	875	2786	150	715	SH, SD	EST
SANTA ROSA	555	3106	770	2891	120	215	SD, SH	EST
SAN ANDRES	1650	2011	2680	981	----	1030	ANHY+SLT	
CLEAR FORK-CIMARRON	2680	981	4200	- 539	----	1520	SH, SD, ANHY	
RED CAVE	4200	- 539	4400	- 739	140	200	SD, SH	
WICHITA	4400	- 739	4720	- 1059	----	320	SH	
WOLFCAMP	4720	- 1059	5490	- 1829	230	770	LS, OL, SH	
PENNSYLVANIAN	5490	- 1829	8300	- 4639	----	2810	LS, SH, SD	
CISCO (VIRGIL)	5490	- 1829	6210	- 2549	480	720	LS, SH	
CANYON (MISSOURI)	6210	- 2549	7240	- 3579	800	1030	LS, SH	
STRAWN (DES MOINES)	7240	- 3579	8000	- 4339	160	760	SD, SH, LS	
MORROW	8000	- 4339	8310	- 4649	20	310	SH, LS	
MISSISSIPPIAN	8300	- 4639	8430	- 4769	----	130	LS, SH	
PRE-CAMBRIAN	8430	- 4769	8436	- 4775	----		GRT	TD

REMARKS
 CISCO AND CANYON ARE IN REEFAL FACIES.

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

JUN 1971

COUNTY : UY - RANDALL WELL ID NO. : 1A81 ELEVATION : 3759 TOTAL DEPTH : 8244
 OPERATOR : PLACID OIL CO. WELL : NO.1 GREELEY
 LOCATION : 660 FSL, 660 FEL SEC: 54 TNSP : 1 RNG : SUR : TT RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SANTA ROSA	500	3259	690	3069	150	190	SD	
WICHITA	4575	- 816	5005	- 1246	----	430	LS,SH	
WOLFCAMP	5005	- 1246	6545	- 2786	450	1540	SH,DOL	
CISCO	6545	- 2786	7000	- 3241	120	455	SH,LS	
CANYON	7000	- 3241	7275	- 3516	100	275	LS	
STRAWN	7275	- 3516	8190	- 4431	210	915	LS,SH	
PRE-CAMBRIAN	8190	- 4431	8244	- 4485	----		GRT	TD

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

JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1B11 ELEVATION : 2652 TOTAL DEPTH : 11420
 OPERATOR : SINCLAIR OIL CO. WELL : NO.3 LIPS
 LOCATION : 660 FSL, 660 FEL SEC: 133 TNSP : C RNG : SUR : G+M

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	440	2212	1220	1432	-----	780	SH, SD	EST
CLEAR FORK-CIMARRON	1220	1432	2000	652	-----	780	ANHY, SH, SD	EST
RED CAVE	2000	652	2360	292	-----	360	SH, SD	
WICHITA-ALBANY	2360	292	3285	- 633	-----	925	SH, ANHY	
WOLFCAMP BROWN DOLO.	3285	- 633	4580	- 1928	-----	1295	DOL, SH	
VIRGIL	4580	- 1928	5770	- 3118	-----	1190	SH, SD	
DOUGLAS SAND	5420	- 2768	5770	- 3118	-----	350	SD, SH	
MISSOURI	5770	- 3118	6925	- 4273	-----	1155	SH, LS	
LANSING-KANSAS CITY	6460	- 3808	6925	- 4273	-----	465	LS, SH	
DES MOINES (MARMATON)	6925	- 4273	7355	- 4703	-----	430		SH
LOW. DM (CHEROKEE)	7355	- 4703	8020	- 5368	-----	665	SH, LS	
ATOKA	8020	- 5368	8265	- 5613	-----	245	LS, SH	
MORROW	8265	- 5613	8780	- 6128	-----	515	SH	
MISS. (CHESTER)	8780	- 6128	8978	- 6326	-----	198	LS, SH	
MERAMEC - KINDEKHOOK	8978	- 6326	10130	- 7478	-----	1152	LS, SH	
WOODFORD	10130	- 7478	10340	- 7688	-----	210	SH	
HUNTON	10340	- 7688	10408	- 7756	-----	68	LS	
SYLVAN	10408	- 7756	10488	- 7836	-----	80	SH	
VIOLA	10488	- 7836	10810	- 8158	-----	322	LS	
SIMPSON	10810	- 8158	11102	- 8450	-----	292	LS, SH	

WELL ID NO. : 1511

CONTINUED

FORMATION	DEPTH	IOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
ARBUCKLE	11102	- 8450	11420	- 8768	----		DOL	TD

REMARKS
DOUGLAS SAND IS VERY GOOD RESERVOIR IN THIS WELL.

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

JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1C3 ELEVATION : 2737 TOTAL DEPTH : 8924
 OPERATOR : PAN AMERICAN WELL : NO.2-B LIPS RANCH
 LOCATION : 2241 FNL, 2078 FWL SEC: 161 TNSP : C RNG : SUR : G+M

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	3370	- 633	4710	- 1973	250	1340	DOL, SH	
VIRGIL	4710	- 1973	5780	- 3043	50	1070	SH, SD	
DOUGLAS SAND	5343	- 2606	5780	- 3043	50	437	SH, SD	
MISSOURI	5780	- 3043	6410	- 3673	----	630	SH, LS	
DES MOINES	6410	- 3673	6972	- 4235	15	562	SH, GRW	
LOWER DM CHEROKEE	6972	- 4235	7820	- 5083	----	848	SH, GRW	
ATOKA	7820	- 5083	8050	- 5313	----	230	SH, LS	
MORROW	8050	- 5313	8782	- 6045	0	732	SH	
MISS. (CHESTER)	8782	- 6045	8924	- 6187	----		LS, SH	Tn

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

CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1C5 ELEVATION : 2807 TOTAL DEPTH : 9510
 OPERATOR : HUMBLE OIL AND REF. WELL : NO.1 MORRISON BROS.
 LOCATION : 467 FNL, 467 FEL SEC: 44 TNSP : C RNG : SUR : G+M

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	375	2432	900	1907	----	525	SH, ANHY	EST
CLEAR FORK-CIMARRON	900	1907	2181	626	----	1281	ANHY, SH	
RED CAVE	2181	626	2580	227	----	399	SH, SD	
WICHITA-ALBANY	2580	227	3560	- 753	----	980	ANH, SH	
WOLFCAMP BROWN DOLO.	3560	- 753	4900	- 2093	490	1340	DOL, SH	
VIRGIL	4900	- 2093	6010	- 3203	95	1110	SH, SD	
DOUGLAS	5590	- 2783	6010	- 3203	95	420	SD, SH	
MISSOURI (WASH)	6010	- 3203	6735	- 3928	110	725	ARK, SH	
DES MOINES	6735	- 3928	7368	- 4561	----	633	SH, LS BASE	EST
LOWER DM CHEROKEE	7368	- 4561	8465	- 5658	235	1097	SH	TOP EST
ATOKA	8465	- 5658	8780	- 5973	----	315	SH	
MORROW	8780	- 5973	9220	- 6413	0	440	SH	
MISS. (CHESTER)	9220	- 6413	9510	- 6703	45		LS, SH	TD

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

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1C18 ELEVATION : 2705 TOTAL DEPTH : 9440

OPERATOR : TEXACO INC. WELL : NO. 1 LEDRICK

LOCATION : 1980 FSL, 1980 FEL SEC: 10 TNSP : B RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK-CIMARRON	860	1845	2050	655	----	1190	ANHY, SH EST	ABV
RED CAVE	2050	655	2395	310	----	345	SH, SD	
WICHITA-ALBANY	2395	310	3610	- 905	----	1215	SH, ANHY	
WOLFCAMP-BROWN UOLO.	3610	- 905	5120	- 2415	520	1510	DOL, SH	
VIRGIL	5120	- 2415	6260	- 3555	----	1140	SH, SD	
DOUGLAS SAND	5885	- 3180	6260	- 3555	50	375	SD, SH	
MISSOURI	6260	- 3555	7025	- 4320	----	765	SH, LS	
LANSING-KANSAS CITY	6715	- 4010	7025	- 4320	----	310	SH, LS	
DES MOINES-MARMATON	7025	- 4320	7620	- 4915	----	595	LS, SH	
LOWER DM CHEROKEE	7620	- 4915	8630	- 5925	110	1010	SH	
ATOKA	8630	- 5925	8845	- 6140	----	215	SH	
MORROW	8845	- 6140	9295	- 6590	0	450	SH	
MISS. (CHESTER)	9295	- 6590	9440	- 6735	----		LS	TD

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

JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1C19 ELEVATION : 2926 TOTAL DEPTH : 12800
 OPERATOR : HUMBLE OIL AND REF. WELL : NO.4 FLOWERS BROS.
 LOCATION : 1980 FNL,2180 FEL SEC: 74 TNSP : C RNG : SUR : G+M

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN UOLO.	3950	- 1024	5340	- 2414	----	1390	DOL,LS EST	ABV
VIRGIL	5340	- 2414	6790	- 3864	----	1450	SH, SD	
DOUGLAS	6225	- 3299	6790	- 3864	90	565	SD, SH	
MISSOURI	6790	- 3864	7380	- 4454	150	590	GW	
LANSING KANSAS CITY	7170	- 4244	7380	- 4454	90	210	LS, SH	
DES MOINES-MARMATON	7380	- 4454	8050	- 5124	----	670	LS, SH	
LOWER DM CHEROKEE	8050	- 5124	8960	- 6034	135	910	SH	
ATOKA	8960	- 6034	9210	- 6284	----	250	SH	
MORROW	9210	- 6284	9595	- 6669	0	385	SH	
MISS. (CHESTER)	9595	- 6669	9930	- 7004	----	335	LS, SH	
MERAMEC-KINDERHOOK	9930	- 7004	11037	- 8111	----	1107	LS, SH	
WOODFORD	11037	- 8111	11150	- 8224	----	113	SH	
HUNTON	11150	- 8224	11410	- 8484	----	260	LS	
SYLVAN	11410	- 8484	11615	- 8689	----	205	SH	
VIOLA	11615	- 8689	11925	- 8999	----	310	LS	
SIMPSON	11925	- 8999	12270	- 9344	50	345	LS, SH	
ARBUCKLE	12270	- 9344	12800	- 9874	530+		DOL	TD

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JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1C23 ELEVATION : 2868 TOTAL DEPTH : 11605
 OPERATOR : GULF OIL CORP. WELL : NO.1 BYRUM
 LOCATION : 660 FNL, 660 FEL SEC: 5 TNSP : B-1 RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	600	2268	1530	1338	----	930	SH, ANHY	EST
CLEAR FORK-CIMARRON	1530	1338	2545	323	----	1015	ANHY, SH	EST
RED CAVE	2545	323	3020	- 152	----	475	SH, SD	
WICHITA-ALBANY	3020	- 152	4200	- 1332	----	1180	ANHY, SH	
WOLFCAMP-BROWN DOLO.	4200	- 1332	5750	- 2882	300	1550	DOL, SH	
VIRGIL	5750	- 2882	7490	- 4622	----	1740	SH	
DOUGLAS SAND	7000	- 4132	7490	- 4622	60	490	SH, SD	
MISSOURI	7490	- 4622	8260	- 5392	----	770	SH	
LANSING-KANSAS CITY	7870	- 5002	8260	- 5392	----	390	LS, SH	
DES MOINES-HARMATON	7490	- 4622	8785	- 5917	----	1295	SH, GRW	
LOWER DM CHEROKEE	8785	- 5917	10420	- 7552	250	1635	GRW, SH	
ATOKA	10420	- 7552	10645	- 7777	----	225	SH	
MORROW	10645	- 7777	10870	- 8002	0	225	SH	
MISS. (CHESTER)	10870	- 8002	11605	- 8737	----		LS, SH	TD

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JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1C24 ELEVATION : 3165 TOTAL DEPTH : 10770
 OPERATOR : FLUOR CORP. WELL : NO.1 DAUGHERTY
 LOCATION : 1320 FWL,990 FNL SEC: 36 TNSP : 2 RNG : SUR : I+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
GUADALUPE (UNDIFF.)	850	2315	1850	1315	----	1000	SH, SD	EST
CLEAR FORK-CIMARRON	1850	1315	2850	315	----	1000	SH, ANHY, SD	EST
RED CAVE	2850	315	3210	- 45	----	360	SH, SD	
WICHITA-ALBANY	3210	- 45	4015	- 850	----	805	ANHY, SH	
WOLFCAMP BROWN DOLO.	4015	- 850	5850	- 2685	780	1835	DOL, SH	
VIRGIL	5850	- 2685	6455	- 3290	----	605	SH	
MISSOURI-DES MOINES	6455	- 3290	9130	- 5965	860	2675	GRW	EST
ATOKA	9130	- 5965	9545	- 6380	----	415	SH	
MORROW	9545	- 6380	9885	- 6720	125	340	SD, SH	
MISS. - WOODFORD	9885	- 6720	9885	- 6720	----	0		UNC
HUNTON	9885	- 6720	10440	- 7275	----	555	LS	
SYLVAN	10440	- 7275	10590	- 7425	----	150	SH	
VIOLA	10590	- 7425	10770	- 7605	----		LS	TD

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JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1C25 ELEVATION : 3113 TOTAL DEPTH : 12121
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.2 GAY
 LOCATION : 1987 FNL,1969 FEL SEC: 201 TNSP : M-2 RNG : SUR : BS+F

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
CLEAR FORK-CIMARRON	1530	1583	2662	451	----	1132	ANH,SH,SD	
RED CAVE	2662	451	3060	53	----	398	SH, SD	
WICHITA-ALBANY	3060	53	3900	- 787	----	840	SH, ANHY	
WOLFCAMP BROWN DOLO.	3900	- 787	5562	- 2449	630	1662	DOL,SH	
VIRGIL	5562	- 2449	6365	- 3252	----	803	SH	
MISSOURI-DES MOINES	6365	- 3252	8610	- 5497	1060	2245	GRW, SH	
ATOKA	8610	- 5497	8860	- 5747	----	250	SH	
MORROW	8860	- 5747	9060	- 5947	0	200	SH	
MISS. - WOODFORD	9060	- 5947	9060	- 5947	----	0		UNC
HUNTON	9060	- 5947	9625	- 6512	----	565	LS	
SYLVAN	9625	- 6512	9785	- 6672	----	160	SH	
VIOLA	9785	- 6672	10010	- 6897	----	225	LS	
SIMPSON	10010	- 6897	10406	- 7293	80	396	LS, SH	
ARBUCKLE	10406	- 7293	12105	- 8992	1699	1699	DOL	
PRE-CAMBRIAN	12105	- 8992	12121	- 9008	----		GRT	TD

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JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1C33 ELEVATION : 2482 TOTAL DEPTH : 12140
 OPERATOR : DIAMOND SHAMROCK WELL : NO.1-212 MORRISON
 LOCATION : 1320 FSL, 1320 FWL SEC: 212 TNSP : 42 RNG : SUR : H+TC RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	1860	622	2205	277	----	345	SH, SD	
WICHITA-ALBANY	2205	277	3270	- 788	----	1065	SH, ANHY	
WOLFCAMP-BROWN DOLO.	3270	- 788	4685	- 2203	530	1415	DOLO, SH	
VIRGIL	4685	- 2203	5980	- 3498	----	1295	SH, SD	
DOUGLAS SAND	5500	- 3018	5980	- 3498	180	480	SD, SH	
MISSOURI	5980	- 3498	6900	- 4418	----	920	SH, LS	
LANSING-KANSAS CITY	6610	- 4128	6900	- 4418	----	290	SH, LS	
DES MOINES MARMATON	6900	- 4418	7520	- 5038	----	620	SH, LS	
LOWER DM CHEROKEE	7520	- 5038	8400	- 5918	----	880	SH	
ATOKA	8400	- 5918	8565	- 6083	----	165	SH	
MORROW	8565	- 6083	9140	- 6658	----	575	SH	
MISS. (CHESTER)	9140	- 6658	9450	- 6968	----	310	LS, SH	
MERAMEC-KINDERHOOK	9450	- 6968	10445	- 7963	----	995	LS, SH	
WOODFORD	10445	- 7963	10625	- 8143	----	180	SH	
HUNTON	10625	- 8143	10840	- 8358	----	215	LS	
SYLVAN	10840	- 8358	10930	- 8448	----	90	SH	
VIOLA	10930	- 8448	11270	- 8788	----	340	LS	
SIMPSON	11270	- 8788	11535	- 9053	----	265	LS, SH	
ARBUCKLE	11535	- 9053	12140	- 9658	605+		DOLO	TD

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 1C50 ELEVATION : 3057 TOTAL DEPTH : 13000
 OPERATOR : PENNZOIL UNITED INC. WELL : NO.1 LOCKE
 LOCATION : 660 FSL, 660 FWL SEC: 18 TNSP : B-1 RNG : SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP BROWN DOLO.	4125	- 1068	5470	- 2413	690	1345	DOLO EST	ABV
VIRGIL	5470	- 2413	7120	- 4063	----	1650	SH, SD	
DOUGLAS SAND	6310	- 3253	7120	- 4063	200	810	SD, SH	
MISSOURI	7120	- 4063	7770	- 4713	210	650	SH, LS, GRW	
DES MOINES (MARMATON)	7770	- 4713	8270	- 5213	300	500	SH, GRW	EST
LOW. DM (CHEROKEE)	8270	- 5213	9200	- 6143	420	930	GRW, SH	EST
ATOKA	9200	- 6143	9480	- 6423	----	280	SH, LS,	EST
MORROW	9480	- 6423	9560	- 6503	----	80	SH	
MISS. (CHESTER)	9560	- 6503	9970	- 6913	320	410	LS, CHT, SH	
MERAMEC - KINDERHOOK	9970	- 6913	11175	- 8118	----	1205	LS, SH, CHT	
WOODFORD	11175	- 8118	11240	- 8183	----	65	SH	
HUNTON	11240	- 8183	11745	- 8688	----	505	LS	
SYLVAN	11745	- 8688	11915	- 8858	----	170	LS, SH	
VIOLA	11915	- 8858	12160	- 9103	----	245	LS	
SIMPSON	12160	- 9103	12515	- 9458	----	355	SH, LS	
ARBUCKLE	12515	- 9458	13000	- 9943	----		LS, DOL	TD

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

JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 2C8 ELEVATION : 2862 TOTAL DEPTH : 11800
 OPERATOR : FEDERAL PETR. INC. WELL : NO.1 THEIS
 LOCATION : 1250 FSL, 1250 FWL SEC: 179 TNSP : 2 RNG : 1 SUR : +GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WICHITA-ALBANY	2450	412	3465	- 603	----	1015	SH, ANHY	
WOLFCAMP-BROWN DOLO.	3465	- 603	5080	- 2218	510	1615	DOL, SH	
VIRGIL	5080	- 2218	6420	- 3558	----	1340	SH, SD	
DOUGLAS	6080	- 3218	6420	- 3558	92	340	SD, SH	
MISSOURI	6420	- 3558	6992	- 4130	165	572	SH, LS	
DES MOINES-MARMATON	6992	- 4130	8000	- 5138	----	1008	SH, SD	
ATOKA	8000	- 5138	8452	- 5590	----	452	SH	
MORROW	8454	- 5592	8825	- 5963	55	371	SD, SH	
MISS. (CHESTER)	8825	- 5963	9130	- 6268	----	305	LS, SH	
HERAMEC-KINDERHOOK	9130	- 6268	10400	- 7538	----	1270	LS, SH	
WOODFORD	10400	- 7538	10505	- 7643	----	105	SH	
HUNTON	10505	- 7643	10805	- 7943	----	300	LS	
SYLVAN	10805	- 7943	10915	- 8053	----	110	SH	
VIOLA	10915	- 8053	11100	- 8238	----	185	LS	
SIMPSON	11100	- 8238	11400	- 8538	88	300	LS, SH	
ARBUCKLE	11400	- 8538	11800	- 8938	400+		DOL	TD

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

JUN 1971

COUNTY : WJ - ROBERTS WELL ID NO. : 2C11 ELEVATION : 2788 TOTAL DEPTH : 9164
 OPERATOR : U.S. SMELTING WELL : NO.1 MORRISON
 LOCATION : 660 FSL, 660 FEL SEC: 1 TNSP : F RNG : SUR : H+GN RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	3440	- 652	4760	- 1972	415	1320	DOL, SH	
VIRGIL	4760	- 1972	5705	- 2917	----	945	SH, SD	
DOUGLAS	5420	- 2632	5705	- 2917	190	285	SD, SH	
MISSOURI	5705	- 2917	6390	- 3602	----	685	SH, SD	
DES MOINES-MARMATON	6390	- 3602	6940	- 4152	----	550	SH	
LOWER DM CHEROKEE	6940	- 4152	8170	- 5382	195	1230	SH, SD	
ATOKA	8170	- 5382	8365	- 5577	----	195	SH	
MORROW	8365	- 5577	8930	- 6142	35	565	SH, SD	
MISS. (CHESTER)	8930	- 6142	9164	- 6376	----		LS, SH	TD

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

JUN 1971

COUNTY : XD - SHERMAN WELL ID NO. : 1A15 ELEVATION : 3640 TOTAL DEPTH : 7051
 OPERATOR : PHILLIPS PETR WELL : NO.1 VIRGINIA
 LOCATION : SW-NE SEC: 16 TNSP : 50 RNG : SUR : H+TC RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RED CAVE	1810	1830	2520	1120	----	710	SH, SD	
WICHITA	2520	1120	2700	940	0	180	SH	
WOLFCAMP	2700	940	3230	410	280	530	DOL, SH	
PENNSYLVANIAN	3230	410	5350	- 1710	----	2120	LS, SH	
CISCO (VIRGIL)	3230	410	3920	- 280	430	690	LS, SH	
CANYON (MISSOURI)	3920	- 280	4360	- 720	170	440	LS, SD, SH	
STRAWN (DES MOINES)	4360	- 720	5000	- 1360	250	640	LS, SD, SH	
MORROW	5000	- 1360	5350	- 1710	----	350	SH, SD, LS	
MISSISSIPPIAN	5350	- 1710	6210	- 2570	----	860	LS, SH	
CHESTER	5350	- 1710	5560	- 1920	60	210	LS, SH	
MERAMEC - KINDERHOOK	5560	- 1920	6210	- 2570	326	650	LS, CHT	
WOODFORD - SYLVAN	6210	- 2570	6210	- 2570	----	0		UNC
VIOLA	6210	- 2570	6280	- 2640	----	70	LS	
SIMPSON	6280	- 2640	6340	- 2700	----	60	SD	
ARBUCKLE	6340	- 2700	7030	- 3390	----	690	DOL	
PRE-CAMBRIAN	7030	- 3390	7051	- 3411	----		GRT	TD

REMARKS
 ALL NET THICKNESSES ARE ESTIMATED FROM CROSS SECTION.

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

JUN 1971

COUNTY : XD - SHERMAN WELL ID NO. : 1A16 ELEVATION : 3639 TOTAL DEPTH : 5138
 OPERATOR : I.T.I.O. WELL : NO.1 BRYAN
 LOCATION : C-NW SEC: 369 TNSP : IT RNG : SUR : T+NO RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RED CAVE	1400	2239	2175	1464	----	775	SH, SD	EST
WICHITA	2175	1464	2240	1399	----	65	DOL, ANHY	
WOLFCAMP	2240	1399	2800	839	400	560	DOL, LS	
PENNSYLVANIAN	2800	839	3900	- 261	----	1100	LS, SH	
CISCO (VIRGIL)	2800	839	3440	199	380	640	LS, SH	
CANYON (MISSOURI)	3440	199	3900	- 261	200	460	LS, SD, SH	
DES MOINES - CHESTER	3900	- 261	3900	- 261	----	0		UNC
MISSISSIPPIAN	3900	- 261	4350	- 711	----	450	LS, SH	
MERAMEC - KINDERHOOK	3900	- 261	4350	- 711	350	450	LS, CHT	
WOODFORD - VIOLA	4350	- 711	4350	- 711	----	0		UNC
SIMPSON	4350	- 711	4460	- 821	----	110	SD, SH	
ELLENBURGER	4460	- 821	5120	- 1481	----	660	DOL	
PRE-CAMBRIAN	5120	- 1481	5138	- 1499	----		GRT	TD

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

JUN 1971

COUNTY : XD - SHERMAN WELL ID NO. : 282 ELEVATION : 3540 TOTAL DEPTH : 7375
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.1-E BRADY
 LOCATION : 1250 FSL, 1250 FEL SEC: 221 TNSP : 1-C RNG : SUR : GH+H

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
RED CAVE	1790	1750	2410	1130	-----	620	SH, SD	
WOLFCAMP-BROWN DOLO.	2410	1130	4140	- 600	360	1730	DOL, SH	
VIRGIL	4140	- 600	4758	- 1218	280	618	SH, SD	
MISSOURI	4758	- 1218	5135	- 1595	-----	377	SH, SD	
DES MOINES-MARMATON	5135	- 1595	5378	- 1838	-----	243	SH, LS	
LOWER DM CHEROKEE	5378	- 1838	5555	- 2015	55	177	SH, LS	
ATOKA	5555	- 2015	5635	- 2095	-----	80	SH	
MORROW	5635	- 2095	6050	- 2510	55	415	SD, SH	
MISS. (CHESTER)	6050	- 2510	6200	- 2660	-----	150	LS, SH	
MERAMEC-KINDERHOOK	6200	- 2660	6920	- 3380	-----	720	LS, SH	
WOODFORD	6920	- 3380	6950	- 3410	-----	30	SH	
HUNTON-SYLVAN	6950	- 3410	6950	- 3410	0	0		UNC
VIOLA	6950	- 3410	7035	- 3495	-----	85	LS	
SIMPSON	7035	- 3495	7130	- 3590	30	95	LS, SH	
ARBUCKLE	7130	- 3590	7375	- 3835	245+		DOL	TD

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

JUN 1971

COUNTY : XD - SHERMAN WELL ID NO. : 2B3 ELEVATION : 3453 TOTAL DEPTH : 7703
 OPERATOR : PHILLIPS PETR. CO. WELL : NO. B-2 CRAIG
 LOCATION : 1980 FNL, 1980 FWL SEC: 68 TNSP : 1-C RNG : SUR : GH+H

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP-BROWN DOLO.	2810	643	4110	- 657	420	1300	DOL, SH	
VIRGIL	4110	- 657	4990	- 1537	380	880	SH, SD	
DOUGLAS	4530	- 1077	4990	- 1537	310	460	SD, SH	
MISSOURI	4990	- 1537	5745	- 2292	240	755	SH, SD	
DES MOINES-MARMATON	5745	- 2292	6070	- 2617	180	325	SH, SD	
LOWER DM CHEROKEE	6070	- 2617	6280	- 2827	40	210	SH, SD	
ATOKA	6280	- 2827	6390	- 2937	----	110	SH	
MORROW	6390	- 2937	6860	- 3407	50	470	SH, SD	
MISS. (CHESTER)	6860	- 3407	7075	- 3622	----	215	LS, SH	
MEREMAC-KINDERHOOK	7075	- 3622	7703	- 4250	----		LS, SH	TD

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

JUN 1971

COUNTY : XD - SHERMAN WELL ID NO. : 2B9 ELEVATION : 3401 TOTAL DEPTH : 7739
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.1-A KATHRYN
 LOCATION : 1980 FWL, 1980 FSL SEC: 8 TNSP : 3-B RNG : SUR : GH+H RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
CLEAR FORK CIMARRON	1065	2336	2050	1351	----	985	SH, ANHY, SD	
RED CAVE	2050	1351	2405	996	----	355	SH, SD	
WICHITA ALBANY	2405	996	2915	486	----	510	SH, ANHY	
WOLFCAMP-BROWN DOLO.	2915	486	3770	- 369	580	855	DOL, SH	
VIRGIL	3770	- 369	4640	- 1239	110	870	SD, SH	
DOUGLAS SAND	4220	- 819	4640	- 1239	80	420	SD, SH	
MISSOURI	4640	- 1239	5350	- 1949	35	710	SH, SD	
DES MOINES-MARMATON	5350	- 1949	5480	- 2079	65	130	SH, LS	
LOWER DM CHEROKEE	5480	- 2079	5548	- 2147	----	68	SH	
ATOKA	5548	- 2147	5622	- 2221	----	74	SH	
MORROW	5622	- 2221	5855	- 2454	0	233	SH	
MISS. (CHESTER)	5855	- 2454	5910	- 2509	10	55	LS, SH	
MERAMEC-KINDERHOOK	5910	- 2509	6675	- 3274	380	765	LS, SH	
WOODFORD	6675	- 3274	6740	- 3339	----	65	SH	
HUNTON-SYLVAN	6740	- 3339	6740	- 3339	----	0		UNC
VIOLA	6740	- 3339	6870	- 3469	----	130	LS	
SIMPSON	6870	- 3469	6960	- 3559	35	90	LS, SH	
ARBUCKLE	6960	- 3559	7680	- 4279	720	720	DOL	
PRE CAMBRIAN	7680	- 4279	7739	- 4338	----		GRT	TD

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

JUN 1971

COUNTY : XD - SHERMAN WELL ID NO. : 2B15 ELEVATION : 3217 TOTAL DEPTH : 8456
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.1-A FREEMAN
 LOCATION : CENTER NE QUARTER SEC: 47 TNSP : 2 RNG : SUR : GH+H

FORMATION	DEPTH	DEPTH ^{TOP} SUB-SEA	DEPTH	DEPTH ^{BASE} SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	2750	467	4060	- 843	255	1310	DOL EST	ABV
VIRGIL	4060	- 843	4845	- 1628	150	785	SH, SD	
MISSOURI	4845	- 1628	5670	- 2453	120	825	SH, SD	
DES MOINES-MARMATON	5670	- 2453	5950	- 2733	----	280	SH, LS	
LOWER DM CHEROKEE	5950	- 2733	6100	- 2883	----	150	SH	
ATOCA	6100	- 2883	6305	- 3088	----	205	SH	
MORROW	6305	- 3088	6870	- 3653	25	565	SH, SD	
MISS. (CHESTER)	6870	- 3653	6985	- 3768	----	115	LS, SH	
MERAMEC-KINDERHOOK	6985	- 3768	7910	- 4693	----	925	LS, SH	
WOODFORD	7910	- 4693	8005	- 4788	----	95	SH	
HUNTON-SYLVAN	8005	- 4788	8005	- 4788	----	0		UNC
VIOLA	8005	- 4788	8145	- 4928	----	140	LS	
SIMPSON	8145	- 4928	8236	- 5019	50	91	LS, SH	
ARBUCKLE	8236	- 5019	8456	- 5239	220+		DOL	TD

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

JUN 1971

COUNTY : XT - SWISHER WELL ID NO. : 1A43 ELEVATION : 3530 TOTAL DEPTH : 9020
 OPERATOR : HUNT OIL CO. WELL : NO.1 BIVINS
 LOCATION : NE-SE SEC: 124 TNSP : M-8 RNG : SUR : AB+M

FORMATION	DEPTH TOP	SUB-SEA	DEPTH BASE	SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	340	3190	1080	2450	170	740	SH,SD	EST
SANTA ROSA	670	2860	850	2680	150	180	SD	
SAN ANDRES	2100	1430	3450	80	0	1350	ANHY,LS,SH	
CLEAR FORK	3450	80	4970	- 1440	0	1520		
RED CAVE EQV.	4970	- 1440	5180	- 1650	0	210	SD,SH	
WICHITA	5180	- 1650	5570	- 2040	0	390	SH,LS	
WOLFCAMP	5570	- 2040	6840	- 3310	450	1270	DOL,LS,SH	
PENNSYLVANIAN	6840	- 3310	8930	- 5400	----	2090		
CISCO (VIRGIL)	6840	- 3310	7470	- 3940	80	630	SH,LS	EST
CANYON (MISSOURI)	7470	- 3940	8150	- 4620	320	680	SL, SH	
STRAWN (DES MOINES)	8150	- 4620	8930	- 5400	180	780	SH,SD,LS	EST
MISSISSIPPIAN UND	8930	- 5400	9020	- 5490	----		LS,SH	TD
MISS. LS (BASE EST.)	8930	- 5400	9250	- 5720	200	320	LS,SH	EST
PRE-CAMBRIAN EST.	9250	- 5720	9250	- 5720	----	0	NOT PENE.	

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

COUNTY : XT - SWISHER WELL ID NO. : 1A44 ELEVATION : 3419 TOTAL DEPTH : 9802
 OPERATOR : FRANFORT OIL CO. WELL : NO.1 SWEATT
 LOCATION : 660 FSL, 660 FEL SEC: 44 TNSP : M-14 RNG : SUR : DS+E

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
TRIASSIC	230	3189	1060	2359	130	830	SH,SD	EST
SANTA ROSA	765	2654	910	2509	100	145	SD	
SAN ANDRES-GLORIETA	2395	1024	3450	- 31	0	1055	LS,ANHY,SH	
CLEAR FORK	3450	- 31	5100	- 1681	0	1650	SH,ANHY,LS	
RED CAVE	5100	- 1681	5330	- 1911	0	230	SH,SD	
WICHITA	5330	- 1911	5660	- 2241	0	330	SH,LS	
WOLFCAMP	5660	- 2241	7100	- 3681	170	1440	DOL,SH	
PENNSYLVANIAN	7100	- 3681	9025	- 5606	----	1925	LS, SH	EST
CISCO (VIRGIL)	7100	- 3681	7440	- 4021	0	340	SH	EST
CANYON (MISSOURI)	7440	- 4021	8200	- 4781	120	760	SH,LS,SD	EST
STRAWN (DES MOINES)	8200	- 4781	9025	- 5606	180	825	SD,SH	EST
MISSISSIPPIAN UND.	9025	- 5606	9770	- 6351	330	745	LS,SH,SD	
PRE-CAMBRIAN	9770	- 6351	9802	- 6383	----		GRW,GRT	TD

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 CORE LABORATORIES INC, E AND C DEPT.

JUN 1971

COUNTY : XT - SWISHER WELL ID NO. : 1A83 ELEVATION : 3396 TOTAL DEPTH : 9218
 OPERATOR : STD. OF TEXAS WELL : NO.1 JOHNSON
 LOCATION : SE-SE SEC: 116 TNSP : RNG : SUR : BLK M-10

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SANTA ROSA	490	2906	715	2681	120	225	SD	
WICHITA	4620	- 1224	5310	- 1914	----	690	LS,SH	
WOLFCAMP	5310	- 1914	6895	- 3499	450	1585	DOL,SH	
CISCO	6895	- 3499	7525	- 4129	120	630	SH,SD	
CANYON	7525	- 4129	8040	- 4644	90	515	SH,LS	
STRAWN	8040	- 4644	8460	- 5064	220	420	LS,SH	
BEND	8460	- 5064	8605	- 5209	50	145	SH,GRW	
MISSISSIPPIAN UND.	8605	- 5209	9170	- 5774	450	565	LS,SH,CHT	
CAMBRIAN SAND	9170	- 5774	9190	- 5794	0	20	SD	
PRE-CAMBRIAN	9190	- 5794	9218	- 5822	----		GRT	TD

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JUN 1971

COUNTY : XT - SWISHER WELL ID NO. : 1A84 ELEVATION : 3312 TOTAL DEPTH : 10053
 OPERATOR : SINCLAIR OIL CO. WELL : NO.1 SAVAGE
 LOCATION : SE-SW SEC: 34 TNSP : B-4 RNG : SUR : AB+M

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
SANTA ROSA	450	2862	700	2612	100	250	SD	EST
WICHITA	5010	- 1698	5610	- 2298	180	600	SH,LS	
WOLFCAMP	5610	- 2298	7260	- 3948	----	1650	DOL,LS,SH	
CISCO	7260	- 3948	8000	- 4688	30	740	SH	
CANYON	8000	- 4688	8490	- 5178	90	490	SH,LS	
STRAWN	8490	- 5178	8945	- 5633	220	455	SD,SH,LS	
BEND	8945	- 5633	9150	- 5838	50	205	LS,SH	
MISSISSIPPIAN	9150	- 5838	9850	- 6538	260	700	LS	
CAMBRIAN SAND	9850	- 6538	10053	- 6741	----		SD	TD

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

CORE LABORATORIES INC. E AND C DEPT.

JUN 1971

COUNTY : ZB - WHEELER WELL ID NO. : 1C13 ELEVATION : 2691 TOTAL DEPTH : 12997
 OPERATOR : STANDARD OF TEXAS WELL : NO.1 HARRIS
 LOCATION : 660 FSL, 1980 FWL SEC: 66 TNSP : A-5 RNG : SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GUADALUPE (UNDIFF.)	520	2171	1700	991	----	1180	SH, SD	
CLEAR FORK-CIMARRON	1700	991	2730	- 39	----	1030	ANHY,SH,SD	
RED CAVE	2730	- 39	3184	- 493	----	454	SH, SD	
WICHITA-ALBANY	3184	- 493	4145	- 1454	----	961	ANHY, SH	
WOLFCAMP BROWN DOLO.	4145	- 1454	6280	- 3589	440	2135	DOL, SH	
VIRGIL	6280	- 3589	7350	- 4659	100	1070	SH, SD	
DOUGLAS SAND	6950	- 4259	7350	- 4659	60	400	SD, SH	
MISSOURI	7350	- 4659	8500	- 5809	----	1150	SH, LS	
DES MOINES (UNDIFF.)	8500	- 5809	11310	- 8619	980	2810	GRW	EST
ATOKA	11310	- 8619	11590	- 8899	----	280	SH	
MORROW	11590	- 8899	11995	- 9304	75	405	SD, SH	EST
MISS. - HUNTON	11995	- 9304	11995	- 9304	----	0		UNC
VIOLA	11995	- 9304	12100	- 9409	----	105	LS	ERD
SIMPSON	12100	- 9409	12600	- 9909	107	500	LS, SH	
ARBUCKLE	12600	- 9909	12997	-10306	397+		DOL	TD

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

COUNTY : ZB - WHEELER WELL ID NO. : 1C14 ELEVATION : 2762 TOTAL DEPTH : 17702
 OPERATOR : PHILLIPS PETR. CO. WELL : NO.1-A CARWILE
 LOCATION : 1320 FNL, 1320 FWL SEC: 99 TNSP : A-5 RNG : SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
WOLFCAMP BROWN DOLO.	4550	- 1788	6015	- 3253	370	1465	DOL, SH	
VIRGIL	6015	- 3253	8315	- 5553	40	2300	SH, SD	
DOUGLAS	7690	- 4928	8315	- 5553	40	625	SD, SH	
MISSOURI	8315	- 5553	9500	- 6738	210	1185	GW, SH	
LANSING - KANSAS CITY	9050	- 6288	9500	- 6738	----	450	SH, LS	
DES MOINES-MARMATON	9500	- 6738	9950	- 7188	----	450	SH, GW	
LOWER DM CHEROKEE	9950	- 7188	12487	- 9725	740	2537	SH	
ATOKA	12487	- 9725	12660	- 9898	----	173	SH	
MORROW	12660	- 9898	12880	-10118	0	220	SH	
MISS. (CHESTER)	12880	-10118	12880	-10118	----	0		UNC
MEREMEC-KINDERHOOK	12880	-10118	14750	-11988	----	1870	LS, SH	
WOODFORD	14750	-11988	14820	-12058	----	70	SH	
HUNTON	14820	-12058	15140	-12378	----	320	LS	
SYLVAN	15140	-12378	15360	-12598	----	220	SH	
VIOLA	15360	-12598	15755	-12993	----	395	LS	
SIMPSON	15755	-12993	16340	-13578	70	585	LS, SH	
ARBUCKLE	16340	-13578	17702	-14940	1362*		DOL REP TD	

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

JUN 1971

COUNTY : ZB - WHEELER WELL ID NO. : 1D2 ELEVATION : 2478 TOTAL DEPTH : 18438
 OPERATOR : STANDARD OF TEXAS WELL : NO.1 WHEELER
 LOCATION : 2740 FNL 1980 FWL SEC: 25 TNSP : A-4 RNG : SUR : H+GH RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	4570	- 2092	6820	- 4342	250	2250	DOL, SH	EST
VIRGIL	6820	- 4342	8000	- 5522	----	1180	SH,	
MISSOURI	8000	- 5522	9480	- 7002	----	1480	SH, LS	
DES MOINES (UNDIFF.)	9480	- 7002	13620	-11142	----	4140	SH, GRW	
LANSING KANSAS CITY	8625	- 6147	9480	- 7002	----	855	SH, LS, SD	
ATOKA	13620	-11142	13908	-11430	----	288	SH	EST
MORROW	13908	-11430	14120	-11642	----	212	SH	
MISS. (CHESTER)	14120	-11642	14120	-11642	----	0	LS, SH	UNC
MERAMEC - KINDERHOOK	14120	-11642	15860	-13382	----	1740	LS, SH	
WOODFORD	15860	-13382	15915	-13437	----	55	SH	
HUNTON	15915	-13437	16640	-14162	----	725	LS	
SYLVAN	16640	-14162	16825	-14347	----	185	SH	
VIOLA	16825	-14347	17460	-14982	----	635	LS	
SIMPSON	17460	-14982	17940	-15462	----	480	LS, SH	
ARBUCKLE	17940	-15462	18438	-15960	----		DOL	TD

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

JUN 1971

COUNTY : ZB - WHEELER WELL ID NO. : 103 ELEVATION : 2385 TOTAL DEPTH : 17772
 OPERATOR : MOBIL OIL CO. WELL : NO.1 WALKER
 LOCATION : 1980 FNL,660 FWL SEC: 5 TNSP : RNG : SUR : J. POITEVENT

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
RED CAVE	2630	- 245	3150	- 765	----	520	SH, SD	
WICHITA-ALBANY	3150	- 765	4080	- 1695	----	930	SH, ANH	
WOLFCAMP BROWN DOLO.	4080	- 1695	6170	- 3785	1010	2090	DOL, SH	
VIRGIL	6140	- 3755	7380	- 4995	----	1240	SH	
MISSOURI	7370	- 4985	8815	- 6430	----	1445	SH, GRW	EST
DES MOINES (UNDIFF.)	8815	- 6430	14020	-11635	----	5205	SH, GRW	EST
ATOKA	14020	-11635	14280	-11895	----	260	SH	
MORROW	14280	-11895	14610	-12225	110	330	SD, SH	
CHESTER - UP. MERAMEC	14610	-12225	14610	-12225	----	0		UNC
MERAMEC - KINDERHOOK	14610	-12225	14795	-12410	----	185	LS, SH	
WOODFORD	14795	-12410	14970	-12585	----	175		
HUNTON	14970	-12585	15645	-13260	----	675		
SYLVAN	15645	-13260	15815	-13430	----	170		
VIOLA	15815	-13430	16340	-13955	----	525		
SIMPSON	16340	-13955	17360	-14975	110	1020		
ARBUCKLE	17360	-14975	17772	-15387	412+			TD

REMARKS
 THRUST FAULT MAPPED IN MID-SIMPSON SECTION AT 16640 FT.

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

JUN 1971

COUNTY : ZB - WHEELER WELL ID NO. : 1D4 ELEVATION : 2614 TOTAL DEPTH : 14505
 OPERATOR : BASIN PETR. CORP. WELL : NO. 1 S. E. MOBEETIE UNIT
 LOCATION : 1250 FNL, 400 FEL SEC: 30 TNSP : H-4 RNG : SUR : H+GH RR

FORMATION	DEPTH	TOP SUB-SEA	DEPTH	BASE SUB-SEA	NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
WOLFCAMP BROWN DOLO.	4395	- 1781	6555	- 3941	510	2160	DOL, SH	
VIRGIL	6555	- 3941	7695	- 5081	----	1140	SH	
MISSOURI	7695	- 5081	9070	- 6456	----	1375	SH, LS	
DES MOINES (UNDIFF.)	9070	- 6456	12350	- 9736	----	3280	SH, GRW	
ATOKA	12350	- 9736	12680	-10066	----	330	SH	
MORROW	12680	-10066	12850	-10236	80	170	SH, SD	EST
MISS. - WOODFORD	12850	-10236	12850	-10236	0	0		UNC
HUNTON	12850	-10236	13445	-10831	----	595	LS	
SYLVAN	13445	-10831	13640	-11026	----	195	SH	
VIOLA	13640	-11026	13980	-11366	----	340	LS	
SIMPSON	13980	-11366	14505	-11891	----		LS, SH	TD
ARBUCKLE	14505	-11891	14505	-11891	0-	0		EST TOP

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

COUNTY : ZB - WHEELER WELL ID NO. : 1D10 ELEVATION : 2197 TOTAL DEPTH : 21640
 OPERATOR : CHEVRON OIL CO. WELL : NO.1 DAVIDSON
 LOCATION : 1220 FSL,1320 FEL SEC: 36 TNSP : A-7 RNG : SUR : H+GN RR

FORMATION	TOP		BASE		NET THICK	GROSS THICK	LITHOLOGY	TYPE TOP
	DEPTH	SUB-SEA	DEPTH	SUB-SEA				
GUADALUPE (UNDIFF.)	370	1827	1340	857	----	970	ANHY, SH	EST
CLEAR FORK-CIMARRON	1340	857	2605	- 408	----	1265	ANH, SH, SD	
RED CAVE	2605	- 408	3030	- 833	----	425	SH, SD	
WICHITA-ALBANY	3030	- 833	4335	- 2138	----	1305	SH, ANH	
WOLFCAMP BROWN DOL.	4335	- 2138	6800	- 4603	490	2465	DOL, SH	
VIRGIL	6800	- 4603	9330	- 7133	70	2530	SH,SD	
MISSOURI	9330	- 7133	11435	- 9238	----	2105	SH, GRW	EST
DES MOINES (UNDIFF.)	11435	- 9238	15655	-13458	590	4220	SH, GRW	EST
ATOKA	15655	-13458	16200	-14003	----	545	SH	EST
MORROW	16200	-14003	16855	-14658	----	655	SH	EST
MISS. (CHESTER)	16855	-14658	17075	-14878	----	220	LS, SH	
MERAMEC - KINDERHOOK	17075	-14878	20455	-18258	----	3380	LS, SH	
WOODFORD	20455	-18258	20535	-18338	----	80	SH	
HUNTON	20535	-18338	21620	-19423	----	1085	LS	
WOODFORD	21620	-19423	21640	-19443	----		SH	EST TD

REMARKS
 POSSIBLE REPEAT WOODFORD DUE TO THRUSTING. PENNSYLVANIAN TOPS ARE QUESTIONABLE.