

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

Casing Record:

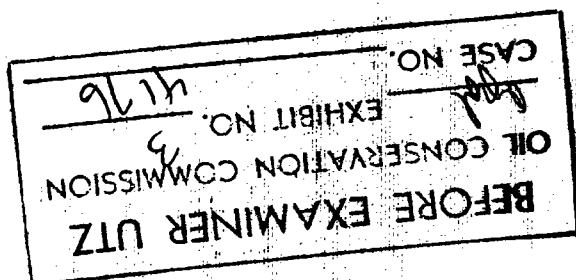
Eddy County
Sun Oil Company
J. Edgar Pew Well No. 1
Located on Oil and Gas Prospecting
Permit Las Cruces 029853
SW 1/4 Sec. 21-T. 25S-R. 30E.
Elevation: 3150'
Commenced: July 1926
Completed: Nov 1926

Formation	Bottom	Formation	Bottom
TRIASSIC			
Gray sand	20	Red clay	748
Gypsum and sand	30	Red shale	805
Red clay	50	Gravel	815
Red sand	90	Salt	825
Red clay	100	Red shale	846
Red sand	130	Gravel	855
Red clay	140	Red shale	865
Pack sand	150	Red shale - gravel	888
Red sand	160	Lime and gypsum	900
Red clay	170	Soft red shale	925
Sand	180	Gypsum gravel	945
Hard sand	190	Gypsum	965
Sand - Hole caving at 285'	295	Gray lime	975
Red clay	306	Hard white gypsum	995
Sand	318	Hard gypsum	1010
Red mud	335	Soft gypsum - 1 BWPH	1035
Yellow clay	340	Soft white clay, gradually	
Red clay	350	turning to dark	1055
Light clay	360	Hard gypsum	1061
Soft sand	370	Hard gypsum	1072
Red clay	380	Hard gypsum	1078
Gray shale	400	Pipe on bottom	1080
Blue gumbo	415	Gypsum	1082
Blue mud	430	Black gumbo	1084
Red bed	440	Blue clay	1087
Blue shale	450	Red clay and gypsum	1098
Soft brown shale, caving	460	Red clay	1100
Shale	470	Red clay and gypsum	1110
Sandy lime	478	Soft white gypsum	1120
Blue shale	488	Light blue shale	1172
Lime	510	Streaks red and blue shale	1180
Soft red shale	518	Red shale	1190
Red clay	520	Gypsum	1220
Red shale - Hole caving	535	Hard gypsum	1230
Blue shale	545	Gypsum	1240
Sand	585	Pink shale	1245
Red bed	595	Rock salt	1285
Red sand	605	Salt	1287
Clay	615	Hard white gypsum	1295
Red clay	630	Gypsum and salt	1300
Sticky clay	645	Gypsum	1305

RUSTLER

SALADO

CASE NO. 4176 EXHIBIT NO. 3



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Sun Oil Company, J. Edgar Pew Well No. 1,
SW 1/4 Sec. 21-T. 25S-R. 30E., Eddy County.

Formation	Bottom	Formation	Bottom
Salt	1435	Sandy lime	2505
Salt and gypsum	1465	Lime and salt	2515
Salt	1485	Lime	2942
Red shale	1493	Salt	3100
Salt	1535	Lime	3211
Salt and gypsum	1545	Salt	3488
Real shale	1555	Lime and anhydrite	3495
Salt and shale	1555	Lime, gray	3512
Gypsum	1575	Lime, gray	3550
Lime and gypsum	1590	Lime	3640
Red shale	1600	Lime and anhydrite	3660
Red shale, some salt	1640	Lime	3680
Red shale	1675	Gray lime	3703
Gypsum	1725	Black lime	3710
Gypsum, red rock, caving	1725	Gray lime	3716
Gypsum and gravel	1770	Black lime	3758
Gypsum and gravel	1775	OIL, Gas, water, white sand	3763
Hard gypsum	1795	White sand	3766
Salt	1810	White sand	3785
Salt, some gypsum	1860	White sand	3820
Salt	1915	Sand	3892
Gypsum	1920	Sand	3916
CASTILE Anhydrite	1950	Sand	3965
Gypsum	1955	Sand	3997
Salt	1965		
Gypsum	1987		
Anhydrite, soft	2010		
Gypsum	2020		
White gypsum	2060		
Gypsum	2070		
Salt	2125		
Red shale	2155		
Gypsum	2180		
Hard gypsum	2206		
Gypsum	2222		
Hard white gypsum	2300		
Hard gypsum	2320		
White gypsum	2345		
Gypsum	2353		
Blue clay	2356		
Gypsum	2370		
Hard white gypsum	2390		
White gypsum	2410		
Hard shell	2415		
Hard white gypsum	2435		
Gypsum	2448		
Lime	2483		

DELAWARE

S.L.M. - T. D.