

Formation Record Ray Smith Federal No. 1 Sec. 31 T25S R32E, Lea County, N. M.

0	5	Soil
5	10	Caliche
10	155	Sand
155	345	Sand & Shale
345	385	Red Sandy Shale
385	425	Shale & Sand
425	464	Shale
464	490	Shale & Sand
490	530	Blue Shale
530	575	Red Shale
575	625	Red Shale & sand
625	685	Red Sandy Shale
685	750	Red Sandy Shale
750	805	Red Shale
805	855	Sand & Shale
855	905	Red Shale
905	1055	Red Shale
1055	1110	Anhydrite
1110	1120	Blue Shale
1120	1135	Anhydrite
1135	1150	Blue Shale
1150	1170	Anhydrite
1170	1250	Anhydrite
1250	1325	Red shale & anhydrite(Water Sand 1235-1250)
1325	1385	Sand & Shale
1385	1390	Red Shale
1390	1400	Shale
1400	1420	Red Shale & Anhydrite
1420	1445	Lime & Potash
1445	1540	Salt & Potash
1540	1620	Anhydrite salt
1620	1670	Salt & Potash
1670	1690	Anhydrite & Salt
1690	1710	Salt & Potash
1710	1800	Salt & Anhydrite
1800	1900	Salt & Potash
1900	1920	Anhydrite
1920	1945	Salt
1945	1980	Anhydrite
1980	2330	Salt
2330	2350	Anhydrite & Salt
2350	2380	Anhydrite
2380	2405	Anhydrite & Salt
2405	2460	Salt
2460	2480	Red Shale & Anhydrite
2480	2505	Anhydrite
2505	2555	Anhydrite & Red Shale
2555	2590	Anhydrite & Red Rock
2590	2695	Anhydrite & Shale
2695	2750	Anhydrite & red shale
2750	2900	Anhydrite
2900	3040	Gyp
3040	3050	Gyp & Salt
3050	3075	Salt
3075	3145	Anhydrite & Salt
3145	3200	Lime
3200	3235	Sand
3235	3260	Salt
3260	3270	Anhydrite
3270	3320	Salt & lime
3320	3415	Lime
3415	3615	Lime
3615	3645	Salt
3645	3660	Lime
3660	3675	Salt
3675	3770	Salt
3770	3795	Lime
3795	3865	Lime
3865	3900	lime & salt
3900	3920	Salt and Anhydrite
3920	4120	Salt
4120	4140	Anhydrite & Lime
4140	4330	Lime
4330	4365	Black Shale
4365	4614	Sand

TD Driller 4614'
TD Schl. 4614'

Dry Hole

Tops(Schlumberger)

Anhydrite @ 1080'
Salt & Potash @ 1420'
Delaware Lime @ 4350'
Water Sands:

@ 1235-1250
1240-1270

0	2	Soil
2	10	Caliche
10	122	Sand
122	342	Sand & Shale
342	382	Red Sandy Shale
382	422	Shale & Sand
422	464	Shale
464	490	Shale & Sand
490	530	Blue Shale
530	572	Red Shale
572	622	Red Shale & sand
622	682	Red Sandy Shale
682	720	Red Sandy Shale
720	802	Red Shale
802	822	Sand & Shale
822	902	Red Shale
902	1022	Red Shale
1022	1110	Anhydrite
1110	1120	Blue Shale
1120	1132	Anhydrite
1132	1150	Blue Shale
1150	1170	Anhydrite
1170	1220	Anhydrite
1220	1322	Red shale & anhydrite (Water Sand 1222-1250)
1322	1382	Sand & Shale
1382	1390	Red Shale
1390	1400	Shale
1400	1420	Red Shale & Anhydrite
1420	1442	Lime & Potash
1442	1460	Salt & Potash
1460	1620	Anhydrite salt
1620	1670	Salt & Potash
1670	1690	Anhydrite & Salt
1690	1710	Salt & Potash
1710	1800	Salt & Anhydrite
1800	1900	Salt & Potash
1900	1920	Anhydrite
1920	1942	Salt
1942	1980	Anhydrite
1980	2330	Salt
2330	2350	Anhydrite & Salt
2350	2380	Anhydrite
2380	2402	Anhydrite & Salt
2402	2460	Salt
2460	2480	Red Shale & Anhydrite
2480	2502	Anhydrite
2502	2522	Anhydrite & Red Shale
2522	2590	Anhydrite & Red Rock
2590	2692	Anhydrite & Shale
2692	2720	Anhydrite & red shale
2720	2800	Anhydrite
2800	3040	Gyp
3040	3050	Gyp & Salt
3050	3072	Salt
3072	3142	Anhydrite & Salt
3142	3200	Lime
3200	3232	Sand
3232	3260	Salt
3260	3270	Anhydrite
3270	3320	Salt & Lime
3320	3412	Lime
3412	3472	Lime
3472	3472	Salt
3472	3480	Lime
3480	3472	Salt
3472	3470	Salt
3470	3472	Lime
3472	3472	Lime
3472	3472	Lime & salt

Water Sand:
Delaware Lime @ 1350,
Salt & Potash @ 1450,
Anhydrite @ 1080,
Tooe (Schlumberger)

@ 1232-1250

Dry Hole

1911