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NEWTON ASSOC. UNIT "D" LEASE

From	To	Total Feet	Formation
0	144	144	Shale and Gravel
144	466	322	Shale
466	655	189	Shale and Shells
655	2038	1383	Shale
2038	2065	27	Shale and Shells

FROM	TO	TOTAL FEET	FORMATION
2065	2145	80	Shale
2145	2270	125	Shale and Lime Shells
2270	2413	143	Shale
2413	2485	72	Shale and Shells
2485	2656	171	Shale
2656	2670	14	Shale and Sand
2670	2901	31	Shale
2901	2966	65	Shale and Lime
2966	3092	126	Shale
3092	3162	70	Sand and Shale
3162	3190	28	Sandy Shale
3190	3215	25	Sand and Shale
3215	3234	19	Sand
3234	3587	353	Sand and Shale
3587	3592	5	Shale
3592	3619	26	Sand and Shale
3619	3636	17	Sand and Lime
3636	3702	66	Shale
3702	3719	17	Shale and Sand
3719	3748	29	Sandy Shale
3748	3801	53	Sand and Shale
3801	3820	19	Shale
3820	3960	140	Sand and Shale
3960	3978	18	Shale
3978	4003	25	Sand and Shale
4003	4144	141	Sand
4144	4160	16	Shale
4160	4223	63	Shale and Sand
4223	4256	33	Sand
4256	4350	94	Shale and Sand
4350	4430	80	Sand
4430	4620	190	Sand and Shale
4620	4650	30	Shale
4650	4701	51	Sand and Shale
4701	4714	13	Sand
4714	4815	101	Sand and Shale
4815	4839	24	Shale
4839	5595	656	Red Bed
5595	5601	6	Shale and Dolomite
5601	5619	18	Cap Rock
5619	5639	20	Shale and Sand
5639	6262	623	Weber Sand

All formations taken from drilling reports.

Weber Sand Cored from 5691 to 6262 using diamonds and oil base mud.

Complete Core analysis handled by Core Laboratories Inc.

Special Surveys:

Temperature Survey to determine top of cement behind 7" Casing. Top of cement behind casing 2700'.

One run Schlumberger Electrical log from 521 to 5639.

Schlumberger formation tops:

Dakota	3170	Navajo	4195
Morrison	3250	Chinle	4778
Curtis	3890	Shinarump	4900
Entrada	3996	Moenkapi	4990
Carmel	4140	Weber	5649 (-462)

Permanent Bench Mark

Elevation of 7" landing flange 5176'.