



Quarles Drilling Corporation

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APR 25 1984

BTA Oil Producers
104 S. Pecos
Midland, TX 79701

RE: Casey #1, Sec. 27-16S-37E, Lea County, New Mexico

<u>Measured Depth</u>	<u>Course Length</u>	<u>Angle of Inclination</u>	<u>Displacement per Hundred ft.</u> (sine of angleX100)	<u>Course Displacement</u>	<u>Accumulative Displacement</u>
167	1.67	.75	1.31	2.19	2.19
323	1.56	.25	.44	.69	2.88
500	1.77	.25	.44	.78	3.66
633	1.33	.25	.44	.59	4.25
951	3.18	.25	.44	1.40	5.65
1267	3.16	1.0	1.75	5.53	11.18
1520	2.53	1.25	2.18	5.52	16.70
1770	2.50	2.25	3.93	9.83	26.53
1820	.50	2.25	3.93	1.97	28.50
1921	1.01	2.0	3.49	3.52	32.02
2044	1.23	1.50	2.62	3.22	35.24
2144	1.00	1.0	1.75	1.75	36.99
2630	4.86	1.50	2.62	12.73	49.72
2972	3.42	2.0	3.49	11.94	61.66
3234	2.62	2.0	3.49	9.14	70.80
3543	3.09	1.75	3.05	9.42	80.22
4438	8.95	.75	1.31	11.72	91.94
4761	3.23	.75	1.31	4.23	96.17
5254	4.93	.50	.87	4.29	100.46
5749	4.95	1.0	1.75	8.66	109.12
6214	4.65	1.75	3.05	14.18	123.30
6700	4.86	1.50	2.62	12.73	136.03
7211	5.11	.75	1.31	6.69	142.72
7700	4.89	1.0	1.75	8.56	151.28
8100	4.00	1.0	1.75	7.00	158.28
8410	3.10	.50	.87	2.70	160.98
8981	5.71	.50	.87	4.97	165.95
9489	5.08	.75	1.31	6.65	172.60
10060	5.71	.75	1.31	7.48	180.08
10608	5.48	1.75	3.05	16.71	196.79
10850	2.42	2.25	3.93	9.51	206.30
11350	5.00	1.0	1.75	8.75	215.05
11950	1.00	1.50	2.62	2.62	217.67

Jack Pruitt

Vice President Operations

Notary Public

10, 18, 87
My Commission Expires