

SF/jlc

OPERATOR Yates Petroleum Corporation ADDRESS 207 S. 4th, Artesia, NM 88210
LEASE NAME Copeland "SM" WELL NO. #1 - F FIELD
LOCATION 1980'FNL & 2310'FWL, Section 25, T-18-S, R-26-E, Eddy County, New Mexico

DEPTH	ANGLE	DISPLACEMENT	DISPLACEMENT ACCUMULATED
	INCLINATION DEGREES		
396	1/4	1.73	1.73
700	1	5.30	7.03
1205	1	8.81	15.84
1355	1	2.62	18.46
1677	1 3/4	9.83	28.29
1824	1 3/4	4.49	32.78
2129	1 1/2	7.98	40.76
2316	1 1/2	4.90	45.66
2689	1 1/4	8.14	53.80
3158	1 1/2	12.28	66.08
3417	1 1/4	5.65	71.73
3902	1 1/4	10.58	82.31
4402	1 1/4	10.91	93.22
4894	3	25.75	118.97
4987	2 3/4	4.46	123.43
5078	3	4.76	128.19
5170	3 1/4	5.22	133.41
5264	3 1/4	5.33	138.74
5355	3 1/2	5.56	144.30
5449	3 1/2	5.74	150.04
5544	3 1/2	5.80	155.84
5684	4	9.77	165.61
5706	4	1.53	167.14
5738	4	2.23	169.37
5799	4	4.26	173.63
5867	4	4.74	178.37
5954	4	6.07	184.44
5984	4	2.09	186.53
6046	4	4.33	190.86
6139	3 1/2	5.68	196.54
6202	3 3/4	4.12	200.66
6264	3 1/2	3.79	204.45
6327	3 1/2	3.85	208.30
6389	3 1/4	3.51	211.81
6515	2 1/2	5.50	217.31
6699	2 1/4	7.22	224.53
6946	1 3/4	7.54	232.07
7211	1 1/4	5.78	237.85
7654	1	7.73	245.58
8144	1/2	4.28	249.86
8735	3/4	7.74	257.60
9275	2	18.85	276.45
9571	2	10.33	286.78

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

LANDIS DRILLING COMPANY

Gary W. Chappell
TITLE Vice President - Contracts

AFFIDAVIT:

Before me, the undersigned authority, appeared Gary W. Chappell known to me to be the person whose name is subscribed herebelow, who on making deposition, under oath states that he is acting for and in behalf of the Operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Patricia A. Hughes
AFFIDANT'S SIGNATURE

Sworn and subscribed to in my presence on this the 7th day of July, 1982.

Patricia A. Hughes
Notary Public in and for the
County of Midland, Texas