

LANDIS DRILLING COMPANY
P. O. Box 3579
MIDLAND, TEXAS 79702

OPERATOR Tipperary Oil and Gas Corp. ADDRESS P.O. Box 3179, Midland, TX 79702
LEASE NAME Monsanto State WELL NO. #1
LOCATION 660' FSL & 1980' FEL, Section 30, T-16-S, R-37-E, Lea County, New Mexico

DEPTH	ANGLE- INCLINATION DEGREES	DISPLACEMENT	ACCUMULATIVE DISPLACEMENT
405	3/4	5.30	5.30
900	1	8.64	13.94
1,375	1	8.29	22.23
1,853	3/4	6.26	28.49
2,134	1	4.90	33.39
2,631	3/4	6.51	39.90
3,132	3/4	6.56	46.46
3,618	1	8.48	54.94
3,830	1 1/4	4.63	59.57
4,215	1/2	3.36	62.93
4,694	1/2	4.18	67.11
5,191	1/2	4.34	71.45
5,690	1/2	4.36	75.81
5,727	1/2	.32	76.13
6,220	3/4	6.45	82.58
6,289	3/4	.90	83.48
6,783	3/4	6.47	89.95
7,284	3/4	6.56	96.51
7,740	1/2	3.98	100.49
8,230	3/4	6.41	106.90
8,725	1 1/4	10.80	117.70
9,099	1	6.53	124.23
9,588	3/4	6.40	130.63
10,178	1	10.30	140.93
10,678	1 1/4	10.91	151.84
10,920	1 1/2	6.34	158.18
11,152	1	4.05	162.23
11,220	1 1/2	1.78	164.01
11,350	3/4	1.70	165.71

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.

Pamela A. Hughes
AFFIDANT'S SIGNATURE

Sworn and subscribed to in my presence on this the 23rd day of July, 1984.

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

RECEIVED

AUG - 8 1984

6-10-84
HOBBS OFFICE