

LANDIS DRILLING COMPANY

POST OFFICE BOX 3579
MIDLAND, TEXAS 79702

OPERATOR Estoril Producing Company ADDRESS 1120 Vaughn Bldg. Midland, Texas

LEASE NAME Bowman Federal WELL NO. 2 FIELD

LOCATION 1830' FWL & 1980' FSL, Sec. 12, T9S, R34E, Lea County, New Mexico

DEPTH	ANGLE INCLINATION DEGREES	DISPLACEMENT	DISPLACEMENT ACCUMULATED
420	1/4	1.84	1.84
926	1/4	2.21	4.05
1400	1/2	4.14	8.19
1893	3/4	6.45	14.64
2161	1/2	2.34	16.98
2659	3/4	6.52	23.50
2909	1 1/4	5.46	28.96
3407	3/4	6.52	35.48
3624	1	3.79	39.27
4015	1/2	3.41	46.68
4630	1/4	2.69	49.37
5102	3/4	6.18	55.55
5587	1/2	4.23	59.78
6032	3/4	5.83	65.61
6553	3/4	6.82	72.43
7031	3/4	6.26	78.69
7155	1/2	1.08	79.77
7640	1/2	4.23	84.00
8179	1/2	4.71	88.71
8670	3/4	6.43	95.14
8940	3/4	3.53	98.67
9443	3/4	6.58	105.25
9740	1/2	2.59	107.84
9900	1/2	1.40	109.24

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

Cecil M. Wilson
TITLE Vice-president

AFFIDAVIT:

Before me, the undersigned authority, appeared Cecil M. Wilson 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.

Cecil M. Wilson
AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this the 23 day of October, 1979

Beverly Murphy
Notary Public in and for the County
of Midland State of Texas