

OPERATOR Pogo Producing ADDRESS P. O. Box 10340 Midland, Tx
 LEASE Federal "EBR" WELL NO. 1 FIELD 79702
 LOCATION Section 32, T-14-S, R-33-E Lea County, New Mexico

DEPTH	INCLINATION DEGREE	DISPLACEMENT	DISPLACEMENT ACCUMULATED
136	1	2.38	2.38
292	1/4	.69	3.07
506	1/2	1.86	4.93
740	1	4.10	9.03
1014	3/4	3.59	12.62
1264	1	4.38	17.00
1514	1/4	1.10	18.10
1997	1/2	4.20	22.30
2441	3/4	5.82	28.12
2928	1	8.52	36.64
3425	3-1/4	28.18	64.82
3528	3	5.39	70.21
3591	2-1/2	2.75	72.96
3610	2-1/4	.75	80.71
3714	1-1/4	2.27	82.98
3736	3/4	.29	83.27
3891	1-3/4	4.73	88.00
3995	1-1/2	2.72	90.72
4055	1-1/2	1.57	92.29
4216	2-1/4	6.33	98.62
4326	3-1/2	6.71	105.33
4432	3-1/4	6.01	111.34
4494	2-3/4	2.98	114.32
4557	2-1/2	2.75	117.07
4620	1-3/4	1.92	118.99

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

Cactus Drilling Corporation

By: R. Q. McWilliams
 Title: R. Q. McWilliams Drlg. Supt.

Affidavit:

Before me, the undersigned authority, appeared R. Q. McWilliams 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.

R. Q. McWilliams
 Affiant's signature

worn and subscribed to in my presence on this the 28 day of July 1981.

Larry R. Vign
 Notary Public for State of Texas

Commission Expires:
 April 30, 1985

DEPTH	INCLINATION DEGREE	DISPLACEMENT	DISPLACEMENT ACCUMULATED
4713	1-1/4	2.03	121.02
4837	1-1/4	2.70	123.72
4931	1	1.65	125.37
5000	3/4	.90	126.27
5296	1/4	1.30	127.57
5795	3/4	6.54	134.11
6292	1	8.70	142.81
6777	1	8.49	151.30
7273	1/2	4.32	155.62
7813	1	8.93	164.55
8396	1-3/4	17.78	182.33
8859	2	14.12	196.45
9198	3/4	4.44	200.89
9670	3/4	6.18	207.07
10218	3/4	7.18	214.25
10754	1	9.38	223.63
11254	1-1/2	13.10	236.73
12117	1	15.10	251.83
12364	2-3/4	11.86	263.69
12458	3	4.92	268.61
12552	2-1/4	3.69	272.30
12646	2-1/2	4.10	276.40
12740	2-1/2	4.10	280.50
12821	2-1/4	3.18	283.68
12923	2-1/2	4.45	288.13
13080	2	5.48	293.61
13464	2	13.40	307.01
13578	1-3/4	3.48	310.49
13717	1-1/2	3.64	314.13
13843	1-1/4	2.75	316.88
13995	1/4	.67	317.55
14248	3/4	3.31	320.86
14346	1	1.72	322.58
14555	1-3/4	6.37	328.95
14682	1-1/4	2.77	331.72
14774	1-1/2	2.41	334.14
14898	3/4	1.62	335.75
15053	3/4	2.03	337.78
15184	3/4	1.72	339.50
15270 TD	3/4	1.13	340.63