

INCLINATION REPORT

1. FIELD NAME	2. LEASE NAME Federal 27-#3 <i>Unit C</i>
3. OPERATOR Pogo Producing Company	
4. ADDRESS P.O. Box 10340, Midland, tx. 79702	
CONFIDENTIAL	
5. LOCATION (Section, Block, and Survey) Sec. 27, T-22-S, R-32-E, Lea, N.M. <i>660/N # 2310/W</i> <i>30-D25-33651</i>	

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
251	2.51	0.50	0.87	2.18	2.18
493	2.42	0.50	0.87	2.10	4.28
936	4.43	1.00	1.75	7.75	12.03
1152	2.16	0.75	1.31	2.82	14.85
1338	1.86	0.50	0.87	1.61	16.46
1584	2.46	0.50	0.87	2.14	18.60
1831	2.47	1.25	2.18	5.38	23.98
1986	1.55	1.00	1.75	2.71	26.69
2172	1.86	0.75	1.31	2.43	29.12
2356	1.84	0.75	1.31	2.41	31.53
2603	2.47	0.75	1.31	3.23	34.76
2854	2.51	1.25	2.18	5.47	40.23
3040	1.86	1.00	1.75	3.25	43.48
3284	2.44	1.50	2.62	6.39	49.87
3534	2.50	0.50	0.87	2.17	52.04
3690	1.56	1.50	2.62	4.08	56.12
3845	1.55	1.75	3.05	4.72	60.84
4002	1.57	3.00	5.23	8.21	69.05
4095	0.93	3.25	5.67	5.27	74.32
4190	0.95	3.25	5.67	5.38	79.70
4316	1.26	3.00	5.23	6.58	86.28
4470	1.54	4.00	6.98	10.74	97.02
4551	0.81	1.25	2.18	1.76	98.78
5115	5.64	1.00	1.75	9.87	108.65
5365	2.50	0.75	1.31	3.27	111.92
5862	4.97	1.00	1.75	8.69	120.61
6361	4.99	0.75	1.31	6.53	127.14
6856	4.95	1.00	1.75	8.66	135.80
7323	4.67	0.75	1.31	6.11	141.91
7792	4.69	1.50	2.62	12.28	154.19
8259	4.67	1.50	2.62	12.23	166.42
8800	5.41	2.25	3.93	21.26	187.68

Accumulative total displacement of well bore at total depth of 8800 feet = 187.68 feet.

Inclination measurements were made in : ☐ Tubing ☐ Casing ☐ Open Hole ☒ Drill Pipe

<i>L.V. Bohannon</i> Signature of Authorized Representative L.V. Bohannon, Drilling Superintendent Name of Person and Title (type or print) Lakota Drilling Company Name of Company Telephone 915-570-5560 Area Code	Signature of Authorized Representative Name of Person and Title (type or print) Name of Company Telephone Area Code
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Certified By

James Ellis Davis

Date

Feb. 2, 1998