

INCLINATION REPORT

1. FIELD NAME <u>Undes. Cotton Draw, Bone Springs</u>	2. LEASE NAME <u>Lotus "11" Fed. #1</u>
3. OPERATOR <u>Sonat Exploration Co.</u>	
4. ADDRESS <u>110 West Lousiana, Suite 500, Midland, Tx. 79701</u>	
5. LOCATION (Section, Block, and Survey) <u>Sec. 21, T-24-S, R-31-E, Eddy N.M.</u>	

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)
235	2.35	0.25	0.44	1.03	1.03
477	2.42	1.00	1.75	4.23	5.26
800	3.23	0.50	0.87	2.81	8.07
1020	2.20	1.50	2.62	5.76	13.83
1272	2.52	1.25	2.18	5.49	19.32
1521	2.49	0.75	1.31	3.26	22.58
1768	2.47	0.50	0.87	2.14	24.72
2019	2.51	1.75	3.05	7.65	32.37
2145	1.26	1.50	2.62	3.30	35.67
2300	1.55	1.50	2.62	4.06	39.73
2549	2.49	1.50	2.62	6.52	46.25
2800	2.51	2.75	4.80	12.04	58.29
2925	1.25	2.25	3.93	4.91	63.20
3078	1.53	2.00	3.49	5.33	68.53
3236	1.58	1.00	1.75	2.76	71.29
3480	2.44	1.00	1.75	4.26	75.55
3734	2.54	0.75	1.31	3.32	78.87
3938	2.04	1.25	2.18	4.44	83.31
4169	2.31	2.25	3.93	9.07	92.38
4400	2.31	1.50	2.62	6.05	98.43
4647	2.74	1.25	2.18	5.97	104.40
4896	2.49	0.75	1.31	3.26	107.66
5395	4.99	0.50	0.87	4.34	112.00
5894	4.99	0.50	0.87	4.34	116.34
6390	4.96	0.75	1.31	6.49	122.83
6886	4.96	0.50	0.87	4.31	127.14
7354	4.68	0.75	1.31	6.13	133.27
7673	3.19	1.00	1.75	5.58	138.85
8165	4.92	1.25	2.18	10.72	149.57
8661	4.96	0.50	0.87	4.31	153.88
9156	4.95	1.50	2.62	12.96	166.84
9652	4.96	1.75	3.05	15.12	181.96
10152	5.00	1.50	2.62	1.31	183.27
10650	4.98	0.50	0.87	4.33	187.60
11150	5.00	1.75	3.05	15.25	202.85
11366	2.16	2.00	3.49	7.53	210.38
11900	5.34	2.00	3.49	18.63	229.01

Accumulative total displacement of well bore at total depth of 11900' feet = 229.01' feet.

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

<u>L.V. Bohannon</u> Signature of Authorized Representative L.V. Bohannon, Drilling Superintendent Name of Person and Title (type or print) Lakota Drilling Company Name of Company Telephone <u>915-570-6560</u> Area Code _____	<u>Ann E. Ritchie</u> Signature of Authorized Representative <u>Ann E. Ritchie, Agent</u> Name of Person and Title (type or print) SONAT EXPLORATION COMPANY Name of Company Telephone <u>915 684-0433</u> Area Code <u>6846381</u>
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Certified By Jean Ellis Davis Date 5-1-92