

INCLINATION REPORT

RECEIVED

1. FIELD NAME Shugart Morrow	2. LEASE NAME Shugart Federal 23XXX 1992 SEP 22 A 10: 41
3. OPERATOR UNC Petroleum Corp.	
4. ADDRESS 410 17th Sreet, Suite 1400, Denver Co. 80202	
BUREAU OF LAND MGMT. ROSWELL OFFICE	
5. LOCATION (Section, Block, and Survey) Sec. 22, T-18-S, R-31-E, Eddy N.M.	

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
220	2.20	1.00	1.75	3.85	3.85
406	1.86	0.50	0.87	1.61	5.46
800	3.94	1.25	2.18	8.58	14.04
1280	4.80	0.50	0.87	4.17	18.21
1780	5.00	1.00	1.75	8.75	26.96
2141	3.61	2.75	4.80	17.32	44.28
2403	2.62	1.75	3.05	7.99	52.27
2902	4.99	1.75	3.05	15.21	67.48
3398	4.96	1.00	1.75	8.68	76.16
3771	3.73	1.00	1.75	6.52	82.68
4114	3.43	1.00	1.75	6.00	88.68
4611	4.97	1.50	2.62	13.02	101.70
4850	2.39	0.75	1.31	3.13	104.83
5338	4.88	2.00	3.49	17.03	121.86
5849	3.11	2.00	3.49	10.85	132.71
6145	4.96	1.75	3.05	15.12	147.83
6543	3.98	1.00	1.75	6.96	154.79
7021	4.78	2.00	3.49	16.68	171.47
7332	3.11	2.25	3.93	12.22	183.69
7581	2.49	2.00	3.49	8.69	192.38
7909	3.28	3.50	6.10	20.00	212.38
8016	1.07	3.25	5.67	6.06	218.44
8107	0.91	2.75	4.80	4.36	222.80
8238	1.25	4.25	7.41	9.26	232.06
8325	0.93	4.25	7.41	6.89	238.95
8419	0.94	4.00	6.98	6.56	245.51
8654	2.35	4.50	7.85	18.44	263.95
8762	1.08	3.75	6.54	7.06	271.01
8854	0.92	4.00	6.98	6.42	277.43
8948	0.94	4.00	6.98	6.58	283.99
9038	0.87	3.00	5.23	4.55	288.54
9126	0.88	2.75	4.80	4.22	292.76
9189	0.63	2.25	3.93	2.47	295.23
9314	1.25	3.00	5.23	6.53	301.76
9408	0.94	2.25	3.93	3.69	305.45
9502	0.94	2.00	3.49	3.28	308.73
9593	0.91	2.25	3.93	3.57	312.30
9687	0.94	2.00	3.49	3.28	315.58
9892	2.05	2.75	4.80	9.84	325.42
10093	2.01	2.25	3.93	7.89	333.31
10405	3.12	3.25	5.67	17.69	351.00
10594	1.89	4.00	6.98	13.19	364.19
10686	0.92	4.00	6.98	6.42	370.61
10760	0.74	4.25	7.41	5.48	376.09
10850	0.90	4.25	7.41	6.66	382.75
10897	0.47	4.75	8.28	3.89	386.64
10941	0.44	4.00	6.98	3.07	389.71