

BLUE RIDGE SURVEY & TARGET TRACKING PROGRAM

OPERATOR: Fortune Operating Co.
WELL: Home Stake #1
LOCATION: Lea County, New Mexico

START: 12/04/97
FINISH: 12/12/97
Blue Ridge Dir.Coord.
Danny Brown
Joe Stibbe
DECLINATION (+E / -W)

28-165-37e
Sur: 660/57-600/W
BTL: 682/57-494/W
30-025-05343

Survey number 0 is a Tie-In to a
Gyro by Gyrodata on 11-28-97.

MINIMUM CURVATURE CALCULATIONS(SPE-3362)

PROPOSED DIR.

85.50

SUR NUM	MD	INC	TRUE AZM	TVD	N-S	E-W	SECT	DLS/
0	11000	2.2	248.2	10998.00	-35.40	-31.80	-34.50	100
Gyro	11207	3.8	48.0	11204.88	-32.26	-30.34	-32.78	0.00
2	11217	6.6	65.0	11214.84	-31.80	-29.57	-31.98	2.84
3	11227	10.5	75.0	11224.73	-31.32	-28.17	-30.54	31.66
4	11237	14.0	79.4	11234.50	-30.86	-26.10	-28.44	41.59
5	11247	18.7	81.4	11244.09	-30.40	-23.32	-25.64	36.20
6	11257	24.9	82.0	11253.37	-29.87	-19.65	-21.93	47.33
7	11267	32.5	83.5	11262.14	-29.27	-14.89	-17.14	62.04
8	11277	38.4	85.0	11270.28	-28.69	-9.12	-11.35	76.34
9	11287	43.4	87.0	11277.83	-28.24	-2.59	-4.80	59.63
10	11297	51.9	87.1	11284.57	-27.86	4.78	2.58	51.68
11	11307	58.4	86.1	11290.28	-27.37	12.97	10.78	85.00
12	11317	65.2	87.9	11295.00	-26.92	21.76	19.58	65.51
13	11327	71.5	93.9	11298.69	-27.07	31.05	28.83	69.82
14	11337	78.2	95.0	11301.30	-27.82	40.66	38.36	84.11
15	11347	83.1	95.8	11302.93	-28.75	50.48	48.07	67.83
16	11387	92.2	96.7	11304.56	-33.10	90.17	87.30	49.63
17	11418	92.2	94.9	11303.37	-36.23	120.99	117.77	22.86
18	11450	93.3	92.1	11301.84	-38.18	152.89	149.42	5.80
19	11482	92.3	92.1	11300.28	-39.35	184.83	181.17	9.39
20	11513	91.9	92.6	11299.14	-40.62	215.78	211.93	3.13
21	11545	92.5	93.5	11297.91	-42.32	247.71	243.63	2.06
22	11576	92.9	92.5	11296.45	-43.95	278.63	274.33	3.38
23	11608	93.7	90.8	11294.61	-44.87	310.57	306.09	3.47
24	11639	93.6	86.0	11292.63	-44.00	341.48	336.98	5.86
25	11670	93.3	85.1	11290.77	-41.60	372.33	367.92	15.46
26	11701	89.6	85.3	11289.98	-39.01	403.21	398.91	3.06
27	11733	88.9	85.1	11290.40	-36.33	435.09	430.90	11.95
28	11764	89.0	84.8	11290.97	-33.60	465.97	461.90	2.28
29	11796	90.6	84.2	11291.08	-30.54	497.82	493.89	1.02
30	11858	90.6	81.8	11290.43	-22.98	559.35	555.82	5.34
31	11890	91.1	81.7	11289.96	-18.39	591.01	587.75	3.87
32	11922	91.1	81.3	11289.34	-13.66	622.66	619.67	1.59
33	11953	90.1	81.5	11289.02	-9.02	653.31	650.58	1.25
34	11984	89.7	80.9	11289.07	-4.28	683.94	681.50	3.29
35	12015	89.2	80.6	11289.37	0.70	714.54	712.39	2.33
36	12077	91.0	80.4	11289.26	10.93	775.68	774.15	1.88
								2.92