

U.S. OPERATING COMPANY
 U.S. SUPERIOR STATE WELL NO. 1
 ANTELOPE RIDGE MORROW FIELD
 LEA COUNTY, NEW MEXICO
 GYROSCOPIC MULTISHOT

DATE OF SURVEY APRIL 21, 1981
 VERTICAL SECTION DIRECTION
 BOSS-6795

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SPERRY-SUN, INC. RECORD OF SURVEY									
MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE INCLINATION DEG MIN	COURSE DIRECTION DEG	DOG-LEG SEV DEG/100	RECTANGULAR NORTH/SOUTH	TOTAL COORDINATES EAST/WEST	VERTICAL SECTION	
9000	8997.19	8997.19	0 32	S	78 W	0.65	35.90 N	176.15 E	-178.43
9100	9097.18	9097.18	1 8	N	80 W	0.68	35.98 N	174.72 E	-177.00
9200	9197.14	9197.14	1 59	S	85 W	0.94	36.00 N	172.01 E	-174.31
9300	9297.10	9297.10	1 21	N	87 W	0.68	35.92 N	169.10 E	-171.40
9500	9497.03	9497.03	1 37	S	86 W	0.16	35.84 N	163.93 E	-166.24
9600	9596.98	9596.98	1 57	S	78 W	0.41	35.39 N	160.85 E	-163.14
9700	9696.92	9696.92	2 10	S	74 W	0.27	34.52 N	157.37 E	-159.60
9800	9796.89	9796.89	0 11	S	54 W	2.00	33.90 N	155.42 E	-157.61
9900	9896.87	9896.87	2 5	S	82 W	1.93	33.56 N	153.49 E	-155.65
10000	9996.80	9996.80	2 2	S	80 W	0.08	33.01 N	149.93 E	-152.96
10100	10096.73	10096.73	2 17	S	77 W	0.27	32.27 N	146.23 E	-148.32
10200	10196.66	10196.66	2 9	S	75 W	0.16	31.34 N	142.48 E	-144.51
10300	10296.59	10296.59	2 10	S	83 W	0.30	30.62 N	138.79 E	-140.77
10400	10396.51	10396.51	2 23	S	79 W	0.25	30.00 N	134.87 E	-136.82
10500	10496.43	10496.43	2 15	S	86 W	0.29	29.47 N	130.88 E	-132.79
10600	10596.35	10596.35	2 8	S	86 W	0.11	29.18 N	127.06 E	-128.96
10700	10696.27	10696.27	2 32	S	80 W	0.45	28.64 N	123.02 E	-124.90
10800	10796.17	10796.17	2 36	S	79 W	0.07	27.83 N	118.62 E	-120.44
10900	10896.06	10896.06	2 49	S	77 W	0.25	26.84 N	114.01 E	-115.77
11000	10995.94	10995.94	2 46	S	77 W	0.06	25.74 N	109.28 E	-110.96
11100	11095.82	11095.82	2 50	S	77 W	0.08	24.66 N	104.51 E	-106.13
11200	11195.71	11195.71	2 34	S	72 W	0.38	23.43 N	99.97 E	-101.51
11300	11295.60	11295.60	2 49	S	74 W	0.29	22.07 N	95.48 E	-96.92
11400	11395.48	11395.48	2 49	S	89 W	0.70	21.35 N	90.66 E	-92.06
11500	11495.37	11495.37	2 31	S	89 W	0.30	21.25 N	86.02 E	-87.43
11600	11595.30	11595.30	1 55	N	87 W	0.61	21.31 N	82.16 E	-83.58
11700	11695.24	11695.24	1 54	N	79 W	0.25	21.73 N	78.86 E	-80.33
11800	11795.18	11795.18	2 2	N	82 W	0.17	22.28 N	75.48 E	-77.00
11900	11895.11	11895.11	2 19	N	81 W	0.28	22.84 N	71.73 E	-73.31
12000	11995.04	11995.04	1 57	N	83 W	0.37	23.36 N	68.06 E	-69.68