

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 CLOSURE

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BOSS-6795

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	COORDINATES EAST/WEST	VERTICAL SECTION
6000	5997.47	5997.47	1 6	N 83	0.12	20.48 N	150.30 E	-151.44
6100	6097.44	6097.44	1 50	N 73	0.77	21.07 N	152.78 E	-153.96
200	6197.40	6197.40	1 10	N 59	0.76	22.07 N	155.17 E	-156.42
300	6297.38	6297.38	1 10	N 72	0.26	22.91 N	157.00 E	-158.31
6400	6397.37	6397.37	0 49	N 49	0.52	23.68 N	158.49 E	-159.86
6500	6497.35	6497.35	1 24	N 57	0.61	24.82 N	160.04 E	-161.50
6600	6597.33	6597.33	0 44	N 51	0.67	25.90 N	161.56 E	-163.10
6700	6697.32	6697.32	0 41	N 72	0.27	26.50 N	162.63 E	-164.21
6800	6797.32	6797.32	0 32	N 73	0.16	26.83 N	163.65 E	-165.25
6900	6897.31	6397.31	0 45	N 68	0.23	27.21 N	164.70 E	-166.33
7000	6997.30	6997.30	1 6	N 72	0.35	27.76 N	166.21 E	-167.88
7100	7097.29	7097.29	0 37	N 64	0.50	28.29 N	167.60 E	-169.31
7200	7197.28	7197.28	0 43	N 71	0.14	28.73 N	168.68 E	-170.41
7300	7297.27	7297.27	0 22	N 63	0.36	29.08 N	169.56 E	-171.32
7400	7397.27	7397.27	0 40	N 65	0.30	29.47 N	170.38 E	-172.17
7500	7497.26	7497.26	0 42	N 53	0.14	30.08 N	171.40 E	-173.23
300	7597.26	7597.26	0 42	N 45	0.10	30.88 N	172.32 E	-174.22
7700	7697.25	7697.25	0 52	N 32	0.24	31.95 N	173.15 E	-175.13
7800	7797.24	7797.24	0 54	N 69	0.55	32.87 N	174.28 E	-176.33
7900	7897.22	7897.22	0 49	N 54	0.23	33.57 N	175.59 E	-177.68
8000	7997.22	7997.22	0 44	N 73	0.27	34.17 N	176.78 E	-178.92
8100	8097.21	8097.21	0 13	N 60	0.53	34.45 N	177.56 E	-179.72
8200	8197.21	8197.21	0 47	N 29	0.61	35.15 N	178.06 E	-180.27
8300	8297.20	8297.20	0 22	N 72	0.58	35.86 N	178.69 E	-180.95
8400	8397.20	8397.20	0 16	S 60	0.63	35.84 N	178.78 E	-181.04
8500	8497.20	8497.20	0 6	S 1	0.24	35.63 N	178.58 E	-180.83
8600	8597.20	8597.20	0 10	N 51	0.24	35.63 N	178.47 E	-180.72
8700	8697.20	8697.20	0 19	S 34	0.36	35.50 N	178.21 E	-180.45
8800	8797.20	8797.20	0 11	S 54	0.15	35.18 N	177.93 E	-180.14
8900	8897.20	8897.20	0 52	N 53	0.82	35.54 N	177.20 E	-179.45