

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

PAGE 2

SPERRY-SUN, INC.

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	RECORD OF SURVEY			DOG-LEG SEV DEG/100	TOTAL		VERTICAL SECTION
			COURSE INCLINATION DEG MIN	COURSE DIRECTION DEG	RECTANGULAR NORTH/SOUTH		COORDINATES EAST/WEST		
3000	2998.12	2998.12	1 1	N 68	E	0.13	6.24 N	96.95 E	-97.14
3100	3098.11	3098.11	0 55	N 36	E	0.53	7.22 N	98.25 E	-98.52
3200	3198.10	3198.10	1 0	N 32	E	0.11	8.61 N	99.19 E	-99.56
3300	3298.08	3298.08	1 7	N 65	E	0.59	9.76 N	100.54 E	-100.99
3400	3398.06	3398.06	1 15	N 53	E	0.28	10.84 N	102.27 E	-102.81
3500	3498.05	3498.05	0 41	N 45	E	0.58	11.93 N	103.56 E	-104.17
3600	3598.03	3598.03	1 17	N 62	E	0.66	12.88 N	104.96 E	-105.65
3700	3698.01	3698.01	1 14	N 60	E	0.06	13.94 N	106.87 E	-107.64
3800	3797.99	3797.99	1 4	N 45	E	0.35	15.15 N	108.46 E	-109.31
3900	3897.97	3897.97	0 50	N 33	E	0.30	16.42 N	109.51 E	-110.46
4000	3997.97	3997.97	0 31	N 32	E	0.32	17.40 N	110.14 E	-111.16
4100	4097.96	4097.96	0 31	N 83	E	0.44	17.84 N	110.82 E	-111.88
4200	4197.96	4197.96	0 16	S 87	E	0.27	17.89 N	111.50 E	-112.56
4300	4297.96	4297.96	0 46	N 38	E	0.66	18.41 N	112.14 E	-113.24
4400	4397.95	4397.95	0 37	N 58	E	0.29	19.22 N	113.02 E	-114.18
4500	4497.94	4497.94	0 46	N 81	E	0.31	19.60 N	114.13 E	-115.32
4600	4597.93	4597.93	1 13	S 87	E	0.49	19.65 N	115.84 E	-117.03
4700	4697.91	4697.91	1 4	N 79	E	0.31	19.78 N	117.81 E	-119.00
4800	4797.90	4797.90	0 31	N 59	E	0.61	20.20 N	119.12 E	-120.34
4900	4897.87	4897.87	1 56	N 81	E	1.46	20.70 N	121.17 E	-122.42
5000	4997.82	4997.82	1 57	S 83	E	0.54	20.75 N	124.52 E	-125.77
5100	5097.76	5097.76	1 58	S 87	E	0.14	20.45 N	127.93 E	-129.14
5200	5197.70	5197.70	1 50	S 83	E	0.18	20.18 N	131.23 E	-132.41
5300	5297.67	5297.67	1 6	S 89	E	0.74	19.98 N	133.77 E	-134.93
5400	5397.64	5397.64	1 37	N 89	E	0.52	19.99 N	136.15 E	-137.30
5500	5497.61	5497.61	1 22	S 87	E	0.27	19.95 N	138.76 E	-139.89
5600	5597.57	5597.57	1 35	S 90	E	0.22	19.88 N	141.33 E	-142.45
5700	5697.54	5697.54	1 20	N 88	E	0.25	19.93 N	143.87 E	-145.00
5800	5797.51	5797.51	1 19	S 89	E	0.08	19.96 N	146.19 E	-147.30
5900	5897.49	5897.49	1 11	N 79	E	0.29	20.15 N	148.34 E	-149.46