

TLANTIC-RICHFIELD COMPANY
 Mpire ABO NO. I-272
 Mpire ABO FIELD
 DDY COUNTY, NEW MEXICO
 AGNETIC MULTISHOT

DATE OF SURVEY JUNE 19, 1978
 VERTICAL SECTION DIRECTION
 CLOSURE
 MS-6086

PAGE 1

SPERRY-SUN, INC.

RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE		COURSE DIRECTION DEG	DOG-LEG SEV DEG/100	RECTANGULAR		COORDINATES EAST/WEST	VERTICAL SECTION
			INCLINATION DEG MIN	ASSUME VERTICAL TO 550 FT.			NORTH/SOUTH	TOTAL		
550	550.00	550.00	1 0	1 0	N 3 E	2.00	0.	N	0.	0.
600	600.00	600.00	1 0	1 0	N 10 E	0.12	0.44	N	0.01	0.44
700	699.98	699.98	1 0	1 0	N 9 E	0.01	2.17	N	0.21	2.17
800	799.97	799.97	1 0	1 0	N 6 E	0.26	3.89	N	0.50	3.88
900	899.95	899.95	1 15	1 15	N 19 W	0.81	5.84	N	0.75	5.82
1000	999.91	999.91	1 45	1 45	N 19 W	0.	8.44	N	0.46	8.43
1100	1099.87	1099.87	1 45	1 45	N 14 W	0.15	11.33	N	0.54	11.34
1200	1199.82	1199.82	2 0	2 0	N 14 W	0.25	14.25	N	1.40	14.28
1300	1299.77	1299.77	2 0	2 0	N 12 W	0.07	17.43	N	2.20	17.47
1400	1399.71	1399.71	2 0	2 0	N 19 W	0.36	20.83	N	2.98	20.89
1500	1499.64	1499.64	2 15	2 15	N 17 W	0.51	24.40	N	3.97	24.48
1600	1599.54	1599.54	2 30	2 30	N 24 W	0.41	28.55	N	5.32	28.65
1700	1699.44	1699.44	2 0	2 0	N 23 W	0.50	32.84	N	6.92	32.98
1800	1799.36	1799.36	2 45	2 45	N 24 W	0.75	36.44	N	8.49	36.61
1900	1899.27	1899.27	3 0	3 0	N 29 W	0.35	40.24	N	10.14	40.44
2000	1999.15	1999.15	2 45	2 45	N 16 W	0.70	44.73	N	12.38	44.98
2100	2099.02	2099.02	2 0	2 0	N 21 W	0.78	49.36	N	14.30	49.65
2200	2198.94	2198.94	2 30	2 30	N 24 W	0.51	53.29	N	15.61	53.61
2300	2298.86	2298.86	2 0	2 0	N 19 W	0.54	56.92	N	17.12	57.26
2400	2398.78	2398.78	2 30	2 30	N 14 W	0.54	60.57	N	18.56	60.94
2500	2498.71	2498.71	2 0	2 0	N 2 E	0.80	64.34	N	19.67	64.73
2600	2598.63	2598.63	2 0	2 0	N 6 E	0.14	68.24	N	20.08	68.64
2700	2698.57	2698.57	2 0	2 0	N 2 E	0.14	71.72	N	19.84	72.12
2800	2798.51	2798.51	2 0	2 0	N 1 E	0.03	75.21	N	19.59	75.59
2900	2898.45	2898.45	2 0	2 0	N 1 E	0.03	78.69	N	19.50	79.08
3000	2998.38	2998.38	2 0	2 0	N 1 E	0.	82.18	N	19.44	82.57
3100	3098.32	3098.32	1 45	1 45	N 0 E	0.03	85.67	N	19.41	86.06
3200	3198.27	3198.27	1 45	1 45	N 1 E	0.25	88.95	N	19.38	89.33
3300	3298.22	3298.22	2 0	2 0	N 1 E	0.	92.00	N	19.33	92.38
3400	3398.17	3398.17	2 0	2 0	N 1 E	0.25	95.27	N	19.27	95.65