

ATLANTIC RICHFIELD
 LANGLEY ROSEN COM. WELL NO 1
 LANGLEY ELLENBURGER GAS
 LEA COUNTY, NEW MEXICO
 MAGNETIC MULTISHOT

PAGE 1
 DATE OF SURVEY APRIL 11, 1979
 VERTICAL SECTION DIRECTION CLOSURE

SPEERY-SUN, INC.
 RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA FWD	COURSE INCLINATION DEG MIN	COURSE DIRECTION DEG	DOG-LEG SEV DEG/100	TOTAL RECTANGULAR NORTH/SOUTH	CORRESPONDING EAST/WEST	VERTICAL SECTION
1395	1395.00	1395.00	ASSUME VERTICAL	1395 FT.				
1500	1500.00	1500.00	0 15	S 4 E	0.24	0.23 S	0.02 E	-0.14
1600	1600.00	1600.00	0 15	S 4 E	0.	0.66 S	0.05 E	-0.42
1700	1700.00	1700.00	0 30	N 47 W	0.70	0.58 S	0.26 N	-0.50
1800	1799.00	1799.00	1 0	N 56 W	0.51	0.20 N	1.30 W	-0.71
1900	1899.98	1899.98	0 30	N 23 E	1.03	1.00 N	1.45 N	-0.41
2000	1999.98	1999.98	0 45	N 1 E	0.36	2.15 N	1.60 N	0.23
2100	2099.97	2099.97	0 30	N 69 E	0.74	2.37 N	1.30 N	1.07
2200	2199.97	2199.97	0 45	N 16 E	0.59	3.76 N	0.72 N	2.04
2300	2299.96	2299.96	0 45	N 38 E	0.29	4.90 N	0.13 W	3.25
2400	2399.95	2399.95	0 30	N 42 E	0.25	5.74 N	0.56 E	4.73
2500	2499.94	2499.94	1 0	N 13 E	0.61	6.92 N	1.05 E	5.46
2600	2599.92	2599.92	1 30	N 70 E	1.27	8.22 N	2.48 E	7.41
2700	2699.89	2699.89	1 30	N 48 E	0.57	9.54 N	4.69 E	9.93
2800	2799.85	2799.85	1 45	N 59 E	0.40	11.20 N	6.96 E	12.73
2900	2899.79	2899.79	2 0	N 56 E	0.27	12.96 N	9.72 E	15.95
3000	2999.73	2999.73	2 15	N 78 E	0.85	14.35 N	13.08 E	19.35
3100	3099.64	3099.64	2 30	N 77 E	0.25	15.25 N	17.13 E	22.92
3200	3199.54	3199.54	2 45	N 76 E	0.25	16.32 N	21.58 E	26.91
3300	3299.43	3299.43	2 30	N 75 E	0.25	17.46 N	26.02 E	30.94
3400	3399.33	3399.33	2 45	N 70 E	0.34	18.85 N	30.38 E	35.97
3500	3499.23	3499.23	2 15	N 76 E	0.56	20.14 N	34.54 E	38.90
3600	3599.16	3599.16	2 0	N 76 E	0.25	21.04 N	38.13 E	42.24
3700	3699.10	3699.10	2 0	N 68 E	0.28	22.11 N	41.44 E	45.30
3800	3799.03	3799.03	2 15	N 74 E	0.33	23.31 N	44.95 E	48.77
3900	3898.96	3898.96	2 15	N 72 E	0.08	24.46 N	48.70 E	52.30
4000	3998.88	3998.88	2 15	N 70 E	0.09	25.74 N	52.41 E	55.80
4100	4098.81	4098.81	2 0	N 60 E	0.45	27.28 N	55.77 E	59.39
4200	4198.75	4198.75	2 0	N 55 E	0.17	29.15 N	58.71 E	62.82
4300	4298.69	4298.69	2 15	N 51 E	0.20	31.39 N	61.67 E	66.51

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