

ATLANTIC RICHFIELD OIL COMPANY
EMPIRE 480 VIT NO. L-151
400 FIELD
BOBBY COUNTY, NEW MEXICO
GYROSCOPIC AND MAGNETIC SURVEY

DATE OF SURVEY 10-9-75, 10-21-75
VERTICAL SIGHT DIRECTION

15-3265, 301-3267

MEASURED DEPTH	TRUE VERTICAL DEPTH	SEA LEVEL	SPERRY-SUN RECORD OF SURVEY			TOTAL			COORDINATES EAST/WEST	VERTICAL SIGHT
			COURSE INCLINATION DEG MIN	COURSE DIRECTION DEG	DEVIATION DEG/100	RECTIFICATION NORTH/SOUTH	REMARKS	COORDINATES EAST/WEST		
0	0.00	0.00	0 45	74	75	0.00	0.00	0.00	0.00	0.00
100	99.99	99.99	0 45	74	75	0.30	0.30	1.28	1.28	1.39
200	199.99	199.99	0 30	72	25	0.63	0.63	2.09	2.09	2.59
300	299.99	299.99	0 20	77	27	0.90	0.90	3.00	3.00	3.50
400	399.99	399.99	0 30	32	17	1.33	1.33	3.52	3.52	4.43
500	499.99	499.99	0 15	71	26	1.24	1.24	2.93	2.93	3.33
600	599.97	599.97	0 40	20	55	1.88	1.88	4.33	4.33	4.75
700	699.96	699.96	0 50	57	50	1.95	1.95	5.59	5.59	5.51
800	799.96	799.96	0 35	17	54	1.62	1.62	5.65	5.65	5.48
900	899.95	899.95	0 50	14	25	4.03	4.03	9.20	9.20	9.93
1000	999.94	999.94	0 45	10	10	5.32	5.32	6.43	6.43	5.16
1100	1099.93	1099.93	0 45	6	21	6.63	6.63	6.29	6.29	6.47
1200	1199.92	1199.92	0 45	4	03	7.93	7.93	5.20	5.20	7.79
1300	1299.91	1299.91	1 0	9	26	9.65	9.65	5.93	5.93	9.51
1400	1399.89	1399.89	1 0	11	03	11.37	11.37	5.59	5.59	11.23
1500	1499.87	1499.87	1 15	10	25	13.52	13.52	5.21	5.21	13.38
1600	1599.84	1599.84	1 15	9	02	15.67	15.67	4.87	4.87	15.55
1700	1699.83	1699.83	1 0	9	25	17.39	17.39	4.60	4.60	17.26
1800	1799.81	1799.81	1 15	8	25	19.55	19.55	4.30	4.30	19.44
1900	1899.78	1899.78	1 15	9	02	21.71	21.71	3.95	3.95	21.61
2000	1999.76	1999.76	1 15	20	24	23.76	23.76	3.21	3.21	23.67
2100	2099.73	2099.73	1 15	21	02	25.80	25.80	2.43	2.43	25.73
2200	2199.71	2199.71	1 15	21	00	27.83	27.83	1.64	1.64	27.78
2300	2299.69	2299.69	1 15	21	00	29.87	29.87	.86	.86	29.84
2400	2399.65	2399.65	1 30	20	25	32.33	32.33	.03	.03	32.32
2500	2499.62	2499.62	1 30	21	03	34.77	34.77	.97	.97	34.79
2600	2599.58	2599.58	1 30	19	05	37.25	37.25	1.62	1.62	37.26
2700	2699.55	2699.55	1 30	6	34	39.85	39.85	2.10	2.10	39.89
2800	2799.51	2799.51	1 30	1	13	42.47	42.47	2.14	2.14	42.51
2900	2899.48	2899.48	1 30	0	03	45.09	45.09	2.14	2.14	45.13