

ARCO OIL AND GAS CO.
EUE K-142
EMPIRE-ABO
EDDY COUNTY, NEW MEXICO
GYROSCOPIC SURWELL

PAGE 2
DATE OF SURVEY AUGUST 30, 1979
VERTICAL SECTION DIRECTION CLOSURE
SUI.75-6358

SPERRY-SUN RECORD OF SURVEY									
MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE INCLINATION DEG MIN	COURSE		DOG-LEG SEV DEG/100	TOTAL		VERTICAL SECTION
				DIRECTION	DEG		RECTANGULAR NORTH/SOUTH	COORDINATES EAST/WEST	
3000	2999.05	2999.05	1 22	N	45	0.14	52.76 N	43.40 W	64.20
3100	3099.02	3099.02	1 20	N	44	0.04	54.44 N	45.05 W	66.33
3200	3198.99	3198.99	1 23	N	42	0.07	56.18 N	46.67 W	68.50
3300	3298.96	3298.96	1 25	N	37	0.13	58.06 N	48.22 W	70.80
3400	3398.93	3398.93	1 25	N	36	0.02	60.05 N	49.69 W	73.16
3500	3498.90	3498.90	1 30	N	37	0.09	62.09 N	51.20 W	75.59
3600	3598.86	3598.86	1 30	N	41	0.10	64.13 N	52.85 W	78.06
3700	3698.83	3698.83	1 40	N	38	0.19	66.26 N	54.61 W	80.65
3800	3798.78	3798.78	1 50	N	34	0.21	68.73 N	56.39 W	83.58
3900	3898.73	3898.73	1 50	N	35	0.03	71.37 N	58.21 W	86.67
4000	3998.68	3998.68	1 45	N	30	0.18	74.00 N	59.89 W	89.71
4100	4098.62	4098.62	2 0	N	28	0.26	76.36 N	61.47 W	92.94
4200	4198.56	4198.56	2 15	N	24	0.29	80.20 N	63.09 W	96.62
4300	4298.48	4298.48	2 20	N	22	0.12	83.88 N	64.65 W	100.61
4400	4398.39	4398.39	2 25	N	19	0.15	87.76 N	66.10 W	104.75
4500	4498.30	4498.30	2 30	N	16	0.15	91.85 N	67.39 W	109.04
4600	4598.21	4598.21	2 20	N	17	0.17	95.89 N	68.58 W	113.25
4700	4698.12	4698.12	2 25	N	20	0.15	99.82 N	69.90 W	117.39
4800	4798.02	4798.02	2 40	N	18	0.27	104.01 N	71.34 W	121.83
4900	4897.90	4897.90	3 0	N	17	0.34	108.73 N	72.82 W	126.77
5000	4997.75	4997.75	3 25	N	17	0.42	114.08 N	74.46 W	132.36
5100	5097.56	5097.56	3 37	N	21	0.32	119.87 N	76.46 W	138.49
5200	5197.34	5197.34	3 55	N	20	0.31	126.04 N	78.76 W	145.06
5300	5297.12	5297.12	3 40	N	6	0.96	132.42 N	80.26 W	151.58
5400	5396.95	5396.95	3 5	N	3	0.79	138.28 N	80.45 W	157.18
5500	5496.81	5496.81	3 0	N	2	0.10	143.58 N	80.22 W	162.10
5600	5596.67	5596.67	3 5	N	1	0.18	148.89 N	80.18 W	167.09
5700	5696.49	5696.49	3 55	N	21	1.57	154.77 N	79.00 W	172.24
5800	5796.25	5796.25	3 55	N	22	0.07	161.12 N	76.50 W	177.40
5900	5896.03	5896.03	3 45	N	30	0.56	167.12 N	73.58 W	182.08