

0132 2
DATE OF SURVEY 10-8-75, 10-10-75
VERTICAL SECTION DIRECTION CLOSURE

MS-2265, 201-5267

ATLANTIC RICHFIELD OIL COMPANY
EMPIRE 420 UNIT NO. 1-152
130 FIELD

LODDY COUNTY, NEW MEXICO
SYROSCOPIC AND MAGNETIC MULTISHOT

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	RECORD OF SURVEY			SEV SEC/100	TOTAL		VERTICAL SECTION
			COURSE INCLINATION DEG MIN	COURSE DIRECTION DEG	DEG		RECTANGULAR NORTH/SOUTH	COORDINATES EAST/WEST	
3000	2999.45	2999.45	1 30	N	2	.05	47.70 N	2.23 E	47.74
3100	3099.41	3099.41	1 30	N	2	.00	50.32 N	2.32 E	50.36
3200	3199.38	3199.38	1 30	N	1	.03	52.94 N	2.37 E	52.98
3300	3299.34	3299.34	1 30	N	3	.10	55.55 N	2.23 E	55.59
3400	3399.31	3399.31	1 30	N	4	.03	58.16 N	2.05 E	58.19
3500	3499.26	3499.26	1 45	N	2	.30	61.21 N	2.16 E	61.25
3600	3599.22	3599.22	1 45	N	3	.15	64.26 N	2.00 E	64.29
3700	3699.17	3699.17	1 45	N	6	.27	67.30 N	2.32 E	67.34
3800	3799.12	3799.12	1 45	N	3	.27	70.35 N	2.16 E	70.38
3900	3899.08	3899.08	1 45	N	6	.09	73.39 N	1.84 E	73.41
4000	3999.03	3999.03	1 45	N	3	.27	76.44 N	2.00 E	76.46
4100	4099.98	4099.98	1 45	N	6	.09	79.47 N	2.32 E	79.51
4200	4199.94	4199.94	1 45	N	4	.30	82.52 N	2.10 E	82.55
4298	4296.88	4296.88	2 0	N	0	.29	85.94 N	2.10 E	85.97

** THE CALCULATIONS ARE BASED ON THE TANGENTIAL OR TERMINAL ANGLE METHOD **

HORIZONTAL DISPLACEMENT = 85.97 FEET AT NORTH 1 DEG. 24 MIN. EAST (TRUE)