

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

PAGE 3
 DATE OF SURVEY AUGUST 30, 1979
 VERTICAL SECTION DIRECTION CLOSURE

SU1.75-6358

SPE RRY-SUN									
RECORD OF SURVEY									
MEASURED	TRUE	SUB	COURSE	COURSE	DOG-LEG	TOTAL	COORDINATES	VERTICAL	
DEPTH	VERTICAL	SEA	INCLINATION	DIRECTION	SEV	RECTANGULAR	EAST/WEST	SECTION	
	DEPTH	TVD	DEG MIN	DEG	DEG/100	NORTH/SOUTH			
6000	5995.80	5995.80	4 0	N 31 E	0.26	172.94 N	70.15 W	186.43	
6020	6015.75	6015.75	4 0	N 33 E	0.70	174.13 N	69.41 W	187.30	
6159	6154.42	6154.42	3 52	N 32 E	0.11	182.17 N	64.29 W	193.18	

** THE CALCULATIONS ARE BASED ON THE MINIMUM RADIUS OF CURVATURE METHOD **

HORIZONTAL DISPLACEMENT = 193.18 FEET AT NORTH 19 DEG. 26 MIN. WEST (TRUE)