

HERNDON OIL AND GAS
O. A. MOODY NO. 1
KNOWLES DEVONIAN FIELD
LEA COUNTY, NEW MEXICO
GYROSCOPIC SURVEY

DATE OF SURVEY SEPTEMBER 12, 1979
VERTICAL SECTION DIRECTION
CLOSURE

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SU3-6372

SPERRY-SUN

RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE INCLINATION DEG MIN	COURSE DIRECTION DEG	DOG-LEG SEV DEG/100	TOTAL		VERTICAL SECTION
						RECTANGULAR NORTH/SOUTH	COORDINATES EAST/WEST	
12000	11998.94	11998.94	1 40	S 15 W	0.13	2.93 S	36.41 W	34.21
12200	12198.84	12198.84	2 0	S 1 W	0.28	9.22 S	37.22 W	37.62
12400	12398.68	12398.68	2 35	S 7 E	0.33	17.19 S	36.73 W	40.55

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

HORIZONTAL DISPLACEMENT = 40.55 FEET AT SOUTH 64 DEG. 55 MIN. WEST (TRUE)