Sperry-Sun Drilling Services



Survey Report for NV ABO Unit #278 - SSDS MWD Data Source: Actual Field Surveys

Mobil Exploration Vacuum Field (PA/WC)

Lea County Sec. 23-T17S-R34E

Measured Depth (ft)	inci.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	
9736.00	89.300	227.401	8627.14	908.57 S	813.78 W	1219.73	1.845	
9769.00	88.640	227.701	8627.73	930.84 S	838.13 W	1252.57	2.197	

All data is in feet unless otherwise stated. Directions and coordinates are relative to True North. Vertical depths are relative to RKB. Northings and Eastings are relative to 500° FSL & 650° FWL.

The Dogleg Severity is in Degrees per 100ft. Vertical Section is from 500° FSL & 650° FWL and calculated along an Azimuth of 222.000° (True).

Based upon Minimum Curvature type calculations, at a Measured Depth of 9769.00ft., The Bottom Hole Displacement is 1252.57ft., in the Direction of 222.000° (True).

Casing details

Fre	o m	т		
Measured	Vertical	Measured	Vertical	Casing Detail
Depth	Depth	Depth	Depth	
(ft)	(ft)	(ft)	(ft)	
<surface></surface>	<surface></surface>	415.00	415.00	13 3/8" Casing
<surface></surface>	<surface></surface>	5000.00	4999.89	8 5/8" Casing
4190.00	4189.91	9769.00	8627.73	5 1/2" Casing

1

Survey tool program

From			То		
	Measured Depth (ft) 0.00	Vertical Depth (ft) 0.00	Measured Depth (ft) 9769.00	Vertical Depth (ft)	Survey Tool Description
	0.00	0.00	9/09.00	8627.73	Northseek Gyro