

Sperry-Sun Drilling Services

Proposal Report for EVGSAU 3229-013 - Plan-2.26.01

Your Ref: Horizontal Well Plan



Phillips Petroleum
Lea Co., New Mexico

East Vacuum Unit
Sec. 32,T17S-R35E

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
7000.00	83.300	90.000	4654.39	203.35 N	2508.27 E	2516.50	0.00
7044.29	83.300	90.000	4659.55	203.35 N	2552.26 E	2560.35	0.00

All data is in Feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to Well. Northings and Eastings are relative to Well.

Magnetic Declination at Surface is 10.423° (23-Feb-01)

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Well and calculated along an Azimuth of 85.445° (True).

Based upon Minimum Curvature type calculations, at a Measured Depth of 7044.29ft.,
The Bottom Hole Displacement is 2560.35ft., in the Direction of 85.445° (True).

Comments

Measured Depth (ft)	Station TVD (ft)	Coordinates Northings (ft)	Eastings (ft)	Comment
4230.00	4230.00	0.00 N	0.00 E	Kick Off Point at 4230ft
4240.00	4240.00	0.15 N	0.11 E	Build at 21.2°/100ft in a Direction of 35.8° Azimuth
4501.64	4458.16	101.68 N	73.38 E	Start Turn & Build at 4501ft
4540.00	4478.09	126.65 N	94.57 E	Dogleg = 20.7°/100ft
4774.29	4555.00	203.35 N	294.30 E	End of Curve at 4774ft
4790.00	4556.82	203.35 N	309.90 E	Hold Angle at 83.3°
5614.29	4652.33	203.35 N	1128.64 E	Start Build to Horizontal at 5614ft
5679.29	4657.99	203.35 N	1193.39 E	Build Rate = 5.1°/100ft
5744.29	4659.87	203.35 N	1258.35 E	90° at 5744ft
5790.29	4659.87	203.35 N	1304.35 E	Start Build at 5790ft
5855.29	4658.17	203.35 N	1369.32 E	Build Rate = 4.6°/100ft
5920.29	4653.07	203.35 N	1434.11 E	96° at 5920ft
5930.00	4652.06	203.35 N	1443.77 E	Hold Angle at 96°
6350.29	4608.13	203.35 N	1861.76 E	Start Drop at 6350ft
6610.29	4608.92	203.35 N	2121.22 E	End of Drop at 6610ft
6630.00	4611.22	203.35 N	2140.80 E	Hold Angle at 83.3°
7044.29	4659.55	203.35 N	2552.26 E	Proposed Total Depth at 7044ft