

HALLIBURTON

Phillips Petroleum Company
New Mexico
Lea County

Survey Report for EVGSAU 3229-013

Data Source: Information from Location

Measured Depth (ft)	Incl. (Deg)	Azim. (Deg)	Station TVD (ft)	Coordinates Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Comment
5409.00	86.630	91.290	4474.66	397.14 S	1001.59 E	1056.64	5.13	
5441.00	84.140	91.630	4477.24	397.95 S	1033.47 E	1088.15	7.85	
5473.00	81.650	91.990	4481.19	398.95 S	1065.21 E	1119.55	7.86	
5505.00	78.490	92.650	4486.71	400.23 S	1096.70 E	1150.76	10.08	
5536.00	77.930	92.640	4493.04	401.63 S	1127.01 E	1180.83	1.81	
5567.00	78.190	92.360	4499.46	402.95 S	1157.31 E	1210.88	1.22	
5599.00	80.590	90.890	4505.35	403.84 S	1188.75 E	1241.96	8.75	
5630.00	82.090	90.450	4510.02	404.20 S	1219.39 E	1272.17	5.04	
5662.00	83.150	89.830	4514.13	404.28 S	1251.13 E	1303.40	3.83	
5693.00	84.880	89.430	4517.36	404.08 S	1281.96 E	1333.69	5.73	
5725.00	86.840	89.570	4519.67	403.80 S	1313.87 E	1365.04	6.14	
5756.00	87.770	89.630	4521.13	403.58 S	1344.83 E	1395.46	3.01	
5788.00	88.090	89.630	4522.28	403.38 S	1376.81 E	1426.88	1.00	
5819.00	88.940	89.720	4523.09	403.20 S	1407.80 E	1457.33	2.76	
5851.00	88.800	89.620	4523.72	403.02 S	1439.79 E	1488.77	0.54	
5882.00	88.700	89.600	4524.39	402.80 S	1470.79 E	1519.22	0.33	
5914.00	90.530	89.860	4524.61	402.65 S	1502.78 E	1550.67	5.78	
5945.00	89.740	89.510	4524.54	402.48 S	1533.78 E	1581.14	2.79	
5976.00	89.210	89.510	4524.82	402.22 S	1564.78 E	1611.58	1.71	
6008.00	89.120	89.510	4525.29	401.94 S	1596.78 E	1643.01	0.28	
6039.00	88.680	89.340	4525.88	401.63 S	1627.77 E	1673.44	1.52	
6071.00	87.890	89.860	4526.84	401.41 S	1659.75 E	1704.86	2.96	
6103.00	89.300	90.920	4527.62	401.63 S	1691.74 E	1736.37	5.51	
6134.00	89.560	90.390	4527.93	401.98 S	1722.74 E	1766.93	1.90	
6166.00	89.380	90.920	4528.23	402.35 S	1754.73 E	1798.47	1.75	
6198.00	88.860	91.090	4528.72	402.91 S	1786.73 E	1830.04	1.71	
6229.00	88.420	90.390	4529.46	403.31 S	1817.71 E	1860.60	2.67	
6261.00	88.860	91.450	4530.22	403.82 S	1849.70 E	1892.15	3.59	
6293.00	89.650	91.620	4530.63	404.68 S	1881.69 E	1923.77	2.53	
6325.00	90.000	91.620	4530.73	405.58 S	1913.67 E	1955.40	1.09	
6356.00	90.260	91.800	4530.66	406.51 S	1944.66 E	1986.05	1.02	
6388.00	90.180	92.850	4530.54	407.81 S	1976.63 E	2017.74	3.29	
6419.00	88.130	92.150	4530.99	409.16 S	2007.60 E	2048.44	6.99	
6450.00	88.510	92.320	4531.90	410.37 S	2038.56 E	2079.12	1.34	
6482.00	88.420	92.150	4532.76	411.62 S	2070.52 E	2110.79	0.60	
6512.00	88.240	90.390	4533.63	412.28 S	2100.50 E	2140.40	5.89	
6543.00	87.360	90.390	4534.82	412.49 S	2131.48 E	2170.91	2.84	Last MWD Survey @ 6543' md
6623.00	87.360	90.390	4538.51	413.04 S	2211.39 E	2249.62	0.00	Projection to TD @ 6623' md

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

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Well and calculated along an Azimuth of 100.350° (True).

Magnetic Declination at Surface is 7.721° (22-May-03)

Based upon Minimum Curvature type calculations, at a Measured Depth of 6623.00ft.,

The Bottom Hole Displacement is 2249.63ft., in the Direction of 100.580° (True).

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New Mexico
Lea County**Survey Report for EVGSAU 3229-013**
Data Source: Information from Location**Comments**

Measured Depth (ft)	Station Coordinates			Comment
	TVD (ft)	Northings (ft)	Eastings (ft)	
4180.00	4179.55	6.11 S	4.42 E	1st MWD Survey @ 4180' md
6543.00	4534.82	412.49 S	2131.48 E	Last MWD Survey @ 6543' md
6623.00	4538.51	413.04 S	2211.39 E	Projection to TD @ 6623' md

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Phillips Petroleum Company

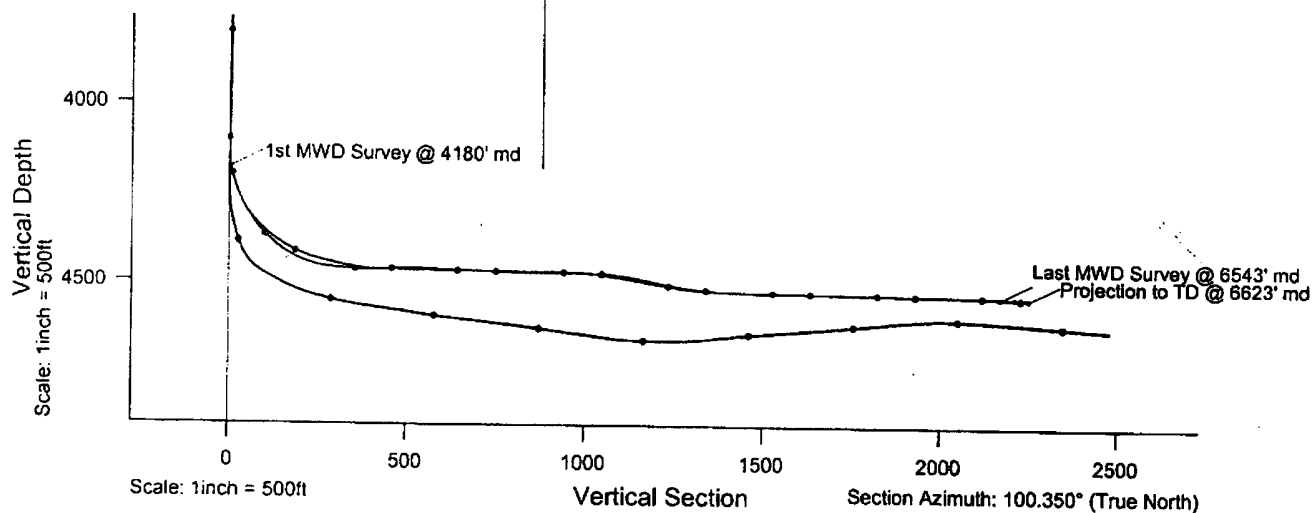
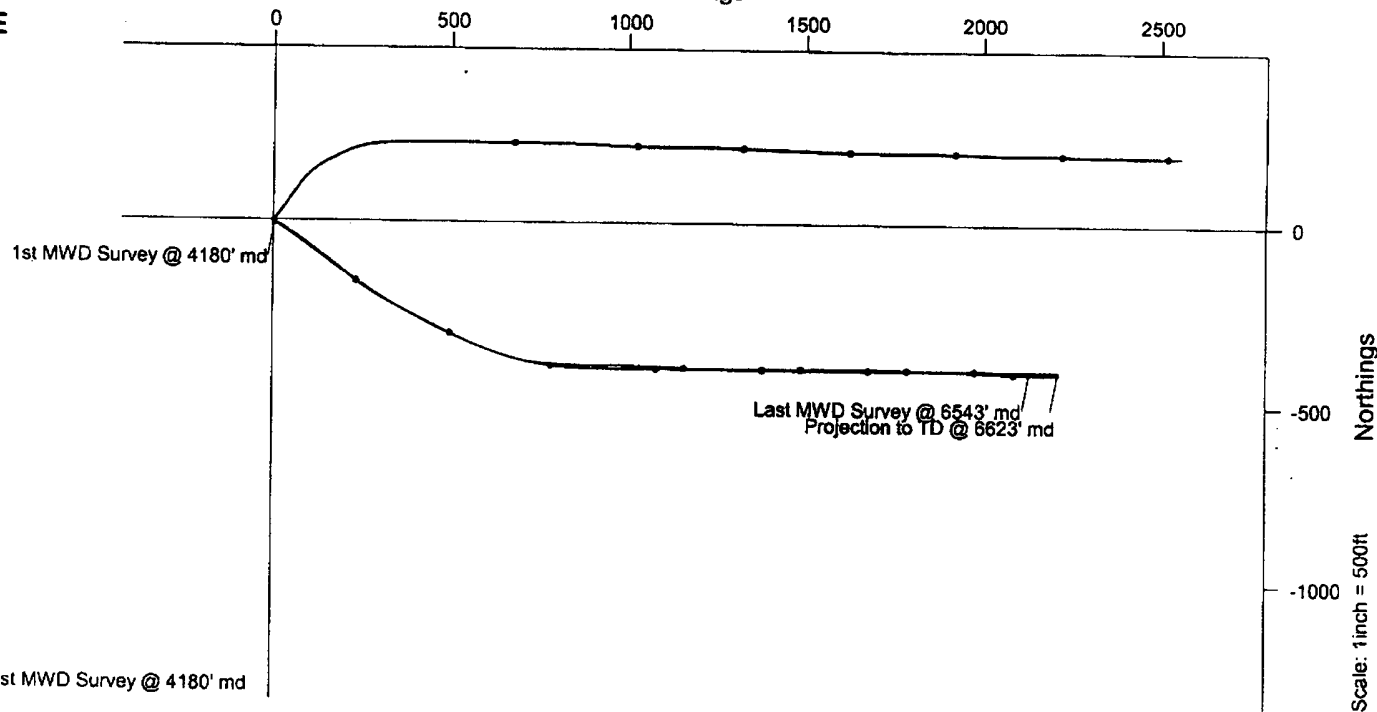
DrillQuest™

Sperry-Sun

New Mexico
Lea County
Sec. 32, T17S-R35E
EVGSAU 3229-013

Scale: 1 inch = 500ft

Eastings

Prepared by:
AdminDate/Time:
22 May, 2003 - 15:14

Checked:

Approved:

DrillQuest 3.03.04.001

2-17-05: 3:44PM: ConocoPhillips

: 915 368 1471

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