

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
Gyro								
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00		
100.00	0.050	163.875	100.00	0.04 S	0.01 E	0.02	0.05	
200.00	0.200	246.825	200.00	0.15 S	0.14 W	-0.11	0.20	
300.00	0.070	315.585	300.00	0.18 S	0.34 W	-0.30	0.19	
400.00	0.150	277.825	400.00	0.12 S	0.51 W	-0.48	0.10	
500.00	0.170	242.365	500.00	0.17 S	0.77 W	-0.73	0.10	
600.00	0.270	156.545	600.00	0.45 S	0.81 W	-0.72	0.31	
700.00	0.310	137.565	700.00	0.87 S	0.53 W	-0.37	0.10	
800.00	0.240	182.115	800.00	1.28 S	0.36 W	-0.12	0.22	
900.00	0.280	206.505	900.00	1.70 S	0.48 W	-0.16	0.12	
1000.00	0.260	203.375	999.99	2.13 S	0.68 W	-0.28	0.02	
1100.00	0.050	135.585	1099.99	2.37 S	0.73 W	-0.30	0.25	
1200.00	0.090	1.275	1199.99	2.32 S	0.70 W	-0.27	0.13	
1300.00	0.030	33.105	1299.99	2.22 S	0.69 W	-0.28	0.07	
1400.00	0.220	175.755	1399.99	2.39 S	0.66 W	-0.22	0.24	
1500.00	0.410	195.785	1499.99	2.93 S	0.74 W	-0.20	0.22	
1600.00	0.660	183.895	1599.99	3.85 S	0.88 W	-0.17	0.27	
1700.00	0.820	172.825	1699.98	5.13 S	0.83 W	0.11	0.21	
1800.00	0.860	170.035	1799.97	6.58 S	0.61 W	0.58	0.06	
1900.00	0.800	173.745	1899.96	8.01 S	0.40 W	1.04	0.08	
2000.00	0.910	184.225	1999.95	9.50 S	0.38 W	1.33	0.19	
2100.00	0.820	189.605	2099.94	11.00 S	0.56 W	1.42	0.12	
2200.00	0.840	188.005	2199.92	12.43 S	0.78 W	1.46	0.03	
2300.00	0.680	187.135	2299.92	13.74 S	0.96 W	1.53	0.16	
2400.00	0.340	149.405	2399.91	14.59 S	0.88 W	1.75	0.46	
2500.00	0.310	99.235	2499.91	14.89 S	0.46 W	2.22	0.28	
2600.00	0.500	64.275	2599.91	14.74 S	0.20 E	2.84	0.30	
2700.00	0.560	81.315	2699.90	14.48 S	1.07 E	3.66	0.17	
2800.00	0.710	73.975	2799.90	14.23 S	2.15 E	4.67	0.17	
2900.00	0.660	72.875	2899.89	13.89 S	3.30 E	5.74	0.05	
3000.00	0.530	58.005	2999.89	13.48 S	4.24 E	6.59	0.20	
3100.00	0.470	67.695	3099.88	13.08 S	5.01 E	7.28	0.10	
3200.00	0.450	37.435	3199.88	12.61 S	5.63 E	7.80	0.24	
3300.00	0.380	343.555	3299.88	11.98 S	5.77 E	7.83	0.38	
3400.00	0.380	337.605	3399.87	11.35 S	5.55 E	7.50	0.04	
3500.00	0.380	339.075	3499.87	10.74 S	5.31 E	7.15	0.01	
3600.00	0.640	341.245	3599.87	9.90 S	5.01 E	6.71	0.26	
3700.00	0.920	334.105	3699.86	8.65 S	4.48 E	5.96	0.30	
3800.00	0.960	326.435	3799.85	7.23 S	3.67 E	4.91	0.13	
3900.00	0.790	322.105	3899.83	5.99 S	2.78 E	3.81	0.18	

SUR: K-32-17s-35e, 2000/S & 2630W
BHL: I-32-17s-35e, 1587/S & 4841W
API # 30-025-32061

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4000.00	0.740	327.255	3999.82	4.90 S	2.01 E	2.86	0.08	
4100.00	0.810	321.955	4099.82	3.80 S	1.22 E	1.89	0.10	
4127.00	0.832	319.375	4126.81	3.50 S	0.98 E	1.59	0.16	

MWD Surveys

4152.00	4.420	134.760	4151.79	4.04 S	1.54 E	2.24	21.00	
4180.00	10.190	121.850	4179.55	6.11 S	4.42 E	5.44	21.30	1st MWD Survey @ 4180' md
4211.00	13.800	115.960	4209.87	9.18 S	10.07 E	11.56	12.28	
4243.00	20.570	119.640	4240.43	13.63 S	18.40 E	20.55	21.42	
4274.00	27.340	123.290	4268.74	20.24 S	29.10 E	32.26	22.35	
4305.00	34.360	125.140	4295.34	29.20 S	42.22 E	46.78	22.85	
4337.00	41.250	122.210	4320.61	40.03 S	58.55 E	64.79	22.25	
4369.00	47.280	125.850	4343.52	52.55 S	77.02 E	85.21	20.44	
4399.00	51.550	125.630	4363.03	65.85 S	95.51 E	105.79	14.24	
4430.00	57.250	125.780	4381.07	80.56 S	115.97 E	128.56	18.39	
4461.00	61.830	125.740	4396.78	96.17 S	137.65 E	152.69	14.77	
4493.00	66.750	126.120	4410.66	113.09 S	160.99 E	178.68	15.41	
4525.00	70.370	125.580	4422.35	130.53 S	185.13 E	205.56	11.42	
4557.00	74.540	125.360	4432.00	148.23 S	209.97 E	233.18	13.05	
4588.00	77.700	124.310	4439.43	165.41 S	234.67 E	260.57	10.71	
4620.00	78.130	124.500	4446.13	183.09 S	260.49 E	289.14	1.46	
4651.00	79.380	121.910	4452.18	199.74 S	285.92 E	317.16	9.13	
4683.00	81.350	119.910	4457.54	215.95 S	312.99 E	346.69	8.71	
4714.00	84.130	118.730	4461.45	231.00 S	339.80 E	375.77	9.73	
4746.00	90.090	118.250	4463.07	246.24 S	367.88 E	406.13	18.69	
4776.00	91.140	117.680	4462.74	260.31 S	394.37 E	434.72	3.98	
4809.00	91.320	117.150	4462.04	275.50 S	423.66 E	466.26	1.70	
4841.00	91.110	116.060	4461.36	289.82 S	452.26 E	496.97	3.47	
4873.00	89.850	114.620	4461.09	303.52 S	481.18 E	527.88	5.98	
4905.00	87.530	113.740	4461.82	316.62 S	510.36 E	558.94	7.75	
4936.00	87.720	114.270	4463.11	329.22 S	538.66 E	589.04	1.81	
4968.00	87.770	112.480	4464.36	341.91 S	568.01 E	620.19	5.59	
5000.00	88.050	110.070	4465.53	353.51 S	597.81 E	651.59	7.58	
5031.00	88.520	107.700	4466.46	363.54 S	627.12 E	682.23	7.79	
5062.00	88.610	105.320	4467.24	372.34 S	656.83 E	713.04	7.68	
5094.00	87.520	102.190	4468.32	379.95 S	687.89 E	744.96	10.35	
5125.00	87.850	99.690	4469.57	385.83 S	718.30 E	775.93	8.13	
5157.00	89.290	97.540	4470.37	390.62 S	749.93 E	807.90	8.08	
5188.00	89.850	94.880	4470.60	393.97 S	780.74 E	838.82	8.77	
5220.00	90.120	92.600	4470.61	396.06 S	812.67 E	870.60	7.17	
5252.00	89.440	90.200	4470.73	396.84 S	844.66 E	902.21	7.80	
5283.00	89.840	89.830	4470.93	396.85 S	875.66 E	932.71	1.76	
5313.00	88.490	90.470	4471.36	396.93 S	905.66 E	962.23	4.98	
5347.00	88.730	89.360	4472.19	396.87 S	939.64 E	995.66	3.34	
5378.00	87.750	90.160	4473.14	396.75 S	970.63 E	1026.12	4.08	