

HALLIBURTON

ConocoPhillips

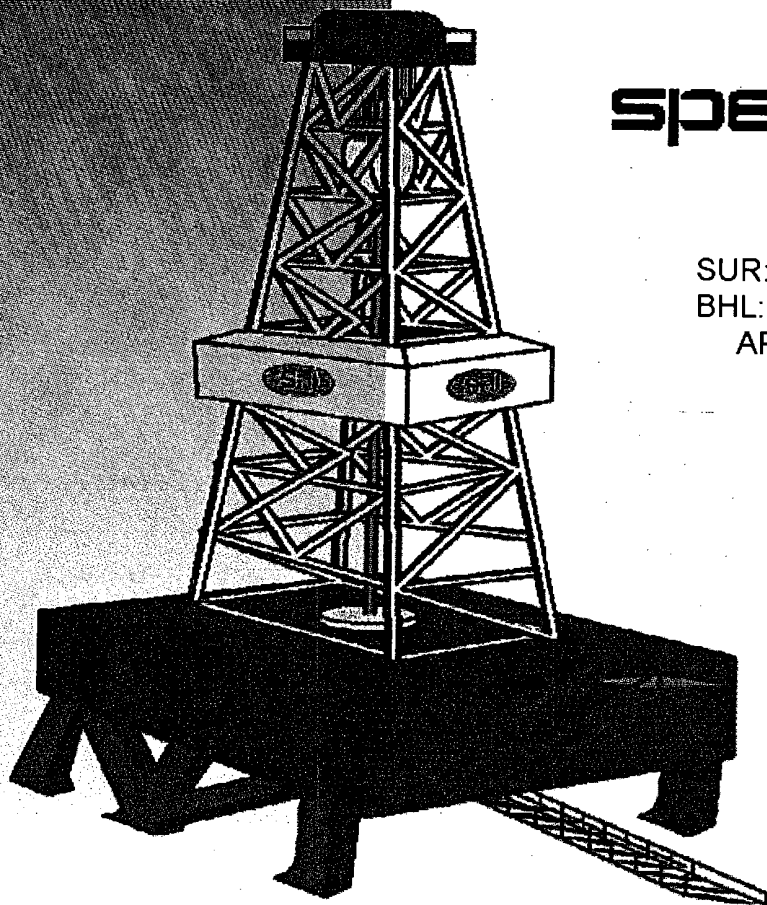
Survey Report

EVGSAU # 2658-001
Lea County, New Mexico
Section 26-T17S-R35E

February 19, 2003

sperry-sun

SUR: K - 26-17s-35e, 2500/S & 2500/W
BHL: M - 26-17s-35e, 929/S & 1264/W
API # 30-025-26775



MAY 01 2003



ConocoPhillips
New Mexico
Lea County
EVGSAU 2658-001 - MWD Surveys

Sperry-Sun

Survey Report

19 February, 2003

Data Source: Information from Location

Survey Ref: svy6231

HALLIBURTON

Survey Report for EVGSAU 2658-001
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 Surveys								
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00		
100.00	0.900	294.460	100.00	0.33 N	0.71 W	0.19	0.90	1st Gyro Survey @ 100' md
200.00	0.640	296.450	199.99	0.90 N	1.93 W	0.49	0.26	
300.00	0.820	318.310	299.98	1.68 N	2.91 W	0.47	0.33	
400.00	1.040	326.030	399.97	2.97 N	3.89 W	0.07	0.25	
500.00	1.080	325.400	499.95	4.50 N	4.93 W	-0.49	0.04	
600.00	0.930	315.630	599.93	5.85 N	6.03 W	-0.87	0.23	
700.00	0.810	311.020	699.92	6.90 N	7.13 W	-1.02	0.14	
800.00	0.770	306.600	799.91	7.76 N	8.21 W	-1.03	0.07	
900.00	0.700	283.570	899.90	8.31 N	9.34 W	-0.76	0.30	
1000.00	0.720	260.510	999.90	8.35 N	10.55 W	-0.04	0.28	
1100.00	0.590	253.280	1099.89	8.09 N	11.67 W	0.84	0.15	
1200.00	0.720	235.430	1199.88	7.59 N	12.68 W	1.87	0.24	
1300.00	0.830	228.960	1299.87	6.76 N	13.74 W	3.18	0.14	
1400.00	0.890	228.200	1399.86	5.76 N	14.87 W	4.65	0.06	
1500.00	0.830	231.790	1499.85	4.80 N	16.01 W	6.12	0.08	
1600.00	0.730	230.960	1599.84	3.95 N	17.08 W	7.45	0.10	
1700.00	0.590	230.770	1699.84	3.22 N	17.97 W	8.57	0.14	
1800.00	0.260	224.890	1799.83	2.74 N	18.53 W	9.30	0.33	
1900.00	0.210	229.620	1899.83	2.46 N	18.83 W	9.70	0.05	
2000.00	0.070	70.820	1999.83	2.36 N	18.91 W	9.83	0.28	
2100.00	0.210	112.180	2099.83	2.31 N	18.68 W	9.73	0.16	
2200.00	0.260	114.970	2199.83	2.14 N	18.31 W	9.63	0.05	
2300.00	0.230	106.460	2299.83	1.99 N	17.91 W	9.50	0.05	
2400.00	0.530	119.890	2399.83	1.70 N	17.32 W	9.36	0.31	
2500.00	0.860	121.280	2499.82	1.08 N	16.28 W	9.20	0.33	
2600.00	0.950	119.060	2599.81	0.29 N	14.91 W	8.98	0.10	
2700.00	1.130	100.820	2699.79	0.30 S	13.22 W	8.40	0.37	
2800.00	1.200	95.810	2799.77	0.59 S	11.21 W	7.39	0.12	
2900.00	1.280	97.680	2899.75	0.84 S	9.06 W	6.26	0.09	
3000.00	1.210	101.380	2999.72	1.20 S	6.92 W	5.22	0.11	
3100.00	0.880	113.720	3099.71	1.72 S	5.18 W	4.55	0.40	
3200.00	0.660	121.530	3199.70	2.33 S	3.98 W	4.29	0.24	
3300.00	0.550	132.220	3299.69	2.95 S	3.14 W	4.26	0.16	
3400.00	0.260	170.520	3399.69	3.50 S	2.74 W	4.45	0.38	
3500.00	0.220	215.250	3499.69	3.88 S	2.82 W	4.79	0.19	
3600.00	0.360	234.480	3599.69	4.22 S	3.18 W	5.28	0.17	
3700.00	0.390	260.100	3699.69	4.46 S	3.78 W	5.84	0.17	
3800.00	0.480	271.790	3799.68	4.50 S	4.53 W	6.34	0.13	
3900.00	0.640	291.240	3899.68	4.29 S	5.47 W	6.75	0.25	
4000.00	0.660	279.150	3999.67	3.99 S	6.56 W	7.19	0.14	
4100.00	0.700	285.990	4099.67	3.73 S	7.71 W	7.70	0.09	
4200.00	0.870	289.760	4199.66	3.31 S	9.01 W	8.17	0.18	
4260.00	0.960	291.100	4259.65	2.98 S	9.91 W	8.46	0.15	Last Gyro Survey @ 4260' md

Survey Report for EVGSAU 2658-001
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
MWD Surveys								
4286.00	4.600	238.100	4285.62	3.45 S	11.00 W	9.51	15.75	1st MWD Survey @ 4286' md
4304.00	8.800	229.100	4303.49	4.73 S	12.66 W	11.54	23.98	
4335.00	15.800	223.100	4333.76	9.37 S	17.34 W	18.08	22.92	
4367.00	23.500	217.700	4363.88	17.61 S	24.23 W	28.82	24.70	
4399.00	31.300	216.500	4392.26	29.36 S	33.09 W	43.53	24.43	
4428.00	38.300	215.800	4416.06	42.72 S	42.84 W	60.06	24.18	
4460.00	47.100	212.300	4439.56	60.71 S	54.93 W	81.67	28.47	
4492.00	57.100	208.000	4459.20	82.54 S	67.53 W	106.63	32.99	
4524.00	67.200	206.900	4474.13	107.62 S	80.55 W	134.39	31.71	
4557.00	77.600	208.700	4484.09	135.40 S	95.21 W	165.29	31.94	
4588.00	85.200	209.500	4488.73	162.16 S	110.10 W	195.54	24.65	
4619.00	88.700	211.200	4490.38	188.87 S	125.74 W	226.20	12.55	
4651.00	90.600	211.300	4490.57	216.23 S	142.34 W	257.96	5.95	
4682.00	90.800	211.300	4490.19	242.71 S	158.45 W	288.74	0.65	
4714.00	90.400	211.500	4489.86	270.02 S	175.12 W	320.52	1.40	
4745.00	89.200	211.000	4489.96	296.53 S	191.20 W	351.29	4.19	
4778.00	87.200	210.900	4491.00	324.81 S	208.16 W	384.01	6.07	
4810.00	85.700	211.600	4492.98	352.11 S	224.73 W	415.72	5.17	
4842.00	85.400	211.500	4495.47	379.30 S	241.42 W	447.41	0.99	
4874.00	85.700	211.100	4497.95	406.56 S	258.00 W	479.08	1.56	
4906.00	85.500	211.100	4500.40	433.88 S	274.48 W	510.75	0.63	
4938.00	85.300	212.200	4502.97	461.03 S	291.22 W	542.44	3.48	
4970.00	85.700	214.000	4505.48	487.76 S	308.64 W	574.21	5.75	
5002.00	85.900	215.400	4507.82	514.00 S	326.80 W	606.07	4.41	
5034.00	87.500	216.600	4509.67	539.84 S	345.58 W	637.99	6.25	
5066.00	89.100	217.600	4510.62	565.35 S	364.87 W	669.97	5.90	
5098.00	90.000	220.300	4510.87	590.23 S	384.99 W	701.96	8.89	
5130.00	90.200	222.600	4510.81	614.22 S	406.17 W	733.91	7.21	
5161.00	90.100	223.100	4510.73	636.94 S	427.25 W	764.80	1.64	
5193.00	89.900	223.300	4510.73	660.27 S	449.16 W	796.68	0.88	
5225.00	89.700	223.300	4510.84	683.56 S	471.10 W	828.55	0.63	
5256.00	89.700	222.900	4511.00	706.19 S	492.29 W	859.43	1.29	
5289.00	89.100	223.100	4511.35	730.33 S	514.79 W	892.32	1.92	
5321.00	89.400	223.100	4511.77	753.69 S	536.65 W	924.19	0.94	
5353.00	89.100	222.900	4512.19	777.09 S	558.47 W	956.08	1.13	
5385.00	89.000	223.100	4512.72	800.49 S	580.30 W	987.96	0.70	
5417.00	88.200	222.900	4513.50	823.89 S	602.11 W	1019.83	2.58	
5448.00	88.000	222.400	4514.53	846.68 S	623.10 W	1050.72	1.74	
5481.00	87.900	223.300	4515.71	870.85 S	645.53 W	1083.59	2.74	
5513.00	87.600	223.400	4516.96	894.10 S	667.48 W	1115.43	0.99	
5545.00	88.600	223.300	4518.03	917.36 S	689.44 W	1147.29	3.14	
5577.00	88.700	221.300	4518.78	941.02 S	710.97 W	1179.19	6.26	
5608.00	87.900	219.900	4519.70	964.55 S	731.13 W	1210.15	5.20	
5640.00	86.200	218.700	4521.35	989.28 S	751.37 W	1242.10	6.50	
5673.00	86.400	217.100	4523.48	1015.26 S	771.60 W	1275.03	4.88	

Survey Report for EVGSAU 2658-001
Data Source: Information from Location

Measured Depth (ft)	Incl. (Deg)	Azim. (Deg)	Station Coordinates			Vertical Section (ft)	Dogleg Rate (°/100ft)	Comment
TVD (ft)	Northings (ft)	Eastings (ft)						
5704.00	87.400	218.500	4525.15	1039.72 S	790.57 W	1305.98	5.54	
5736.00	87.800	218.900	4526.49	1064.67 S	810.56 W	1337.95	1.77	
5768.00	88.800	218.900	4527.44	1089.56 S	830.65 W	1369.93	3.13	
5800.00	89.900	218.400	4527.80	1114.55 S	850.63 W	1401.93	3.78	
5832.00	89.900	218.500	4527.86	1139.61 S	870.53 W	1433.93	0.31	
5864.00	88.700	218.700	4528.25	1164.62 S	890.49 W	1465.93	3.80	
5895.00	88.200	218.400	4529.09	1188.85 S	909.80 W	1496.91	1.88	
5927.00	88.300	219.000	4530.07	1213.82 S	929.80 W	1528.90	1.90	
5959.00	89.600	219.600	4530.65	1238.57 S	950.07 W	1560.88	4.47	
5991.00	90.900	219.400	4530.51	1263.27 S	970.42 W	1592.87	4.11	
6023.00	92.000	219.800	4529.70	1287.91 S	990.81 W	1624.85	3.66	
6055.00	92.400	219.900	4528.48	1312.46 S	1011.30 W	1656.82	1.29	
6086.00	92.600	219.900	4527.12	1336.22 S	1031.17 W	1687.77	0.65	
6118.00	92.600	220.300	4525.67	1360.67 S	1051.76 W	1719.72	1.25	
6149.00	92.500	220.500	4524.29	1384.26 S	1071.83 W	1750.67	0.72	
6181.00	92.500	220.800	4522.90	1408.51 S	1092.66 W	1782.61	0.94	
6213.00	92.200	220.800	4521.58	1432.72 S	1113.55 W	1814.55	0.94	
6245.00	92.700	220.800	4520.22	1456.92 S	1134.44 W	1846.48	1.56	
6277.00	92.700	221.200	4518.71	1481.04 S	1155.41 W	1878.41	1.25	
6309.00	92.900	221.300	4517.15	1505.07 S	1176.48 W	1910.32	0.70	
6341.00	92.900	221.900	4515.53	1528.97 S	1197.70 W	1942.22	1.87	Last MWD Survey @ 6341' md
6398.00	92.900	221.900	4512.64	1571.34 S	1235.72 W	1999.03	0.00	Projection to TD @ 6398' 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 218.160° (True).

Magnetic Declination at Surface is 7.744° (19-Feb-03)

Based upon Minimum Curvature type calculations, at a Measured Depth of 6398.00ft.,
The Bottom Hole Displacement is 1999.03ft., in the Direction of 218.182° (True).

Comments

Measured Depth (ft)	Station Coordinates			Comment
TVD (ft)	Northings (ft)	Eastings (ft)		
100.00	100.00	0.33 N	0.71 W	1st Gyro Survey @ 100' md
4260.00	4259.65	2.98 S	9.91 W	Last Gyro Survey @ 4260' md
4286.00	4285.62	3.45 S	11.00 W	1st MWD Survey @ 4286' md
6341.00	4515.53	1528.97 S	1197.70 W	Last MWD Survey @ 6341' md
6398.00	4512.64	1571.34 S	1235.72 W	Projection to TD @ 6398' md

HALLIBURTON

ConocoPhillips

DrillQuest

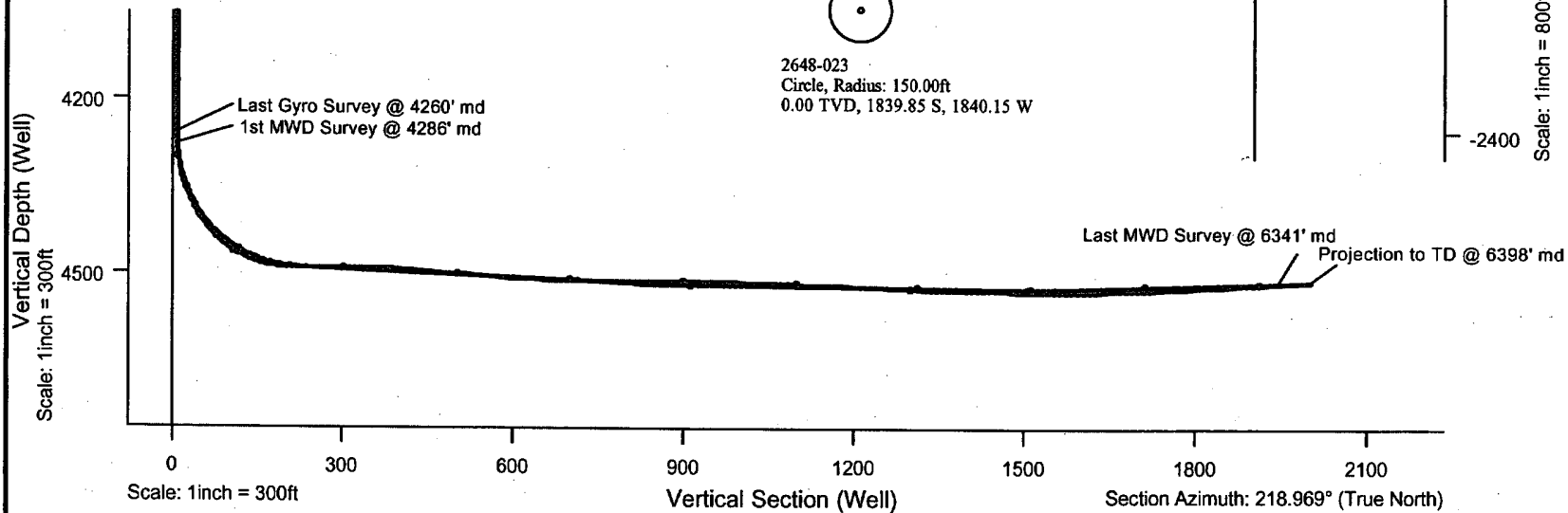
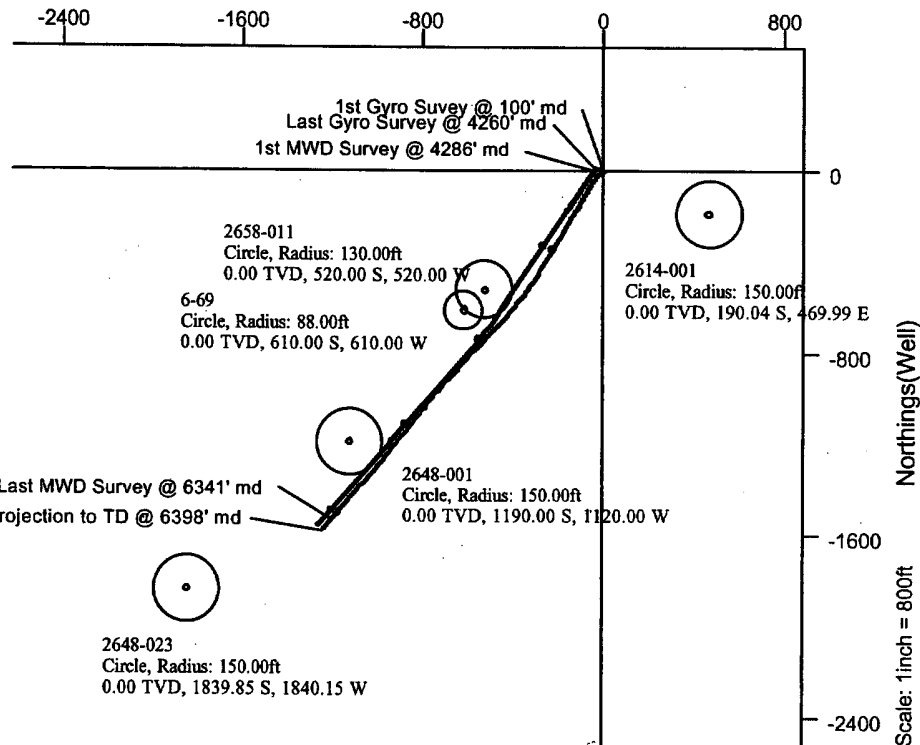
Sperry-Sun

New Mexico
Lea County
Sec. 26, T17S-R35E
EVGSAU 2658-001



Scale: 1 inch = 800ft

Eastings(Well)

Prepared by:
AdminDate/Time:
19 February, 2003 - 8:24

Checked:

Approved: