

Pathfinder

BHL Report

Page 1
Job No: J-WT-0505-0074-WTWT
Date: 6/8/2005
Time: 4:34 pm
Wellpath ID: Final tdp35_4h
Date Created: 5/18/2005
Last Revision: 6/7/2005

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 36.02 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

Platinum Exploration
T.D. Pope "35" #4-H
KEY #36
Lea County, NM

SUR: O-35-14s-37e, 660/S & 1980/E
BHL: H-35-14s-37e, 2902/S & 346/E
API # 30-025-05187

Decl: 7.55° Magnetic East To Grid.
KBH: 10° Rotary To Ground.

PES Office Supervisors:
Ron Welch
Pat Collins

PES Field Engineer:
Danny Harvick

Measured Depth	15465.00	(ft)
Inclination	90.48	(deg)
Azimuth	36.20	(deg)
True Vertical Depth	12666.12	(ft)
Vertical Section	2774.21	(ft)
Rectangular Offsets		
North/South	2241.77 N	(ft)
East/West	1634.22 E	(ft)
Closure Dist & Dir	2774.21@ 36.09	(deg)
Dogleg Severity	0.00	(deg/100ft)
Build Rate	0.00	(deg/100ft)
Walk Rate	0.00	(deg/100ft)

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Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	Build Rate (dg/100ft)	DLS (dg/100ft)
Tied into Gyrodata Good Survey.											
12420.00	2.73	132.28	0.00	12416.67	-36.70	72.51 S	37.32 E	81.55@	152.77	0.00	0.00
12516.00	7.30	295.48	96.00	12512.47	-38.07	71.42 S	33.50 E	78.89@	154.87	4.76	10.36
12545.00	16.18	300.40	29.00	12540.83	-38.80	68.58 S	28.34 E	74.20@	157.55	30.62	30.79
12577.00	31.13	320.35	32.00	12570.10	-37.18	59.89 S	19.15 E	62.88@	162.27	46.72	52.38
12608.00	45.87	329.37	31.00	12594.32	-30.75	44.05 S	8.30 E	44.82@	169.33	47.55	50.77
12640.00	54.08	341.71	32.00	12614.92	-18.59	21.78 S	1.66W	21.84@	184.36	25.66	39.04
12671.00	64.63	352.52	31.00	12630.74	-1.02	4.16 N	7.45W	8.53@	299.17	34.03	45.30
12703.00	74.83	3.42	32.00	12641.84	22.60	34.07 N	8.42W	35.09@	346.12	31.88	45.09
12735.00	79.05	15.90	32.00	12649.10	50.48	64.72 N	3.17W	64.79@	357.20	13.19	40.20
12767.00	82.04	29.52	32.00	12654.38	81.12	93.75 N	9.00 E	94.18@	5.48	9.34	43.00
12798.00	84.94	34.27	31.00	12657.89	111.83	119.89 N	25.27 E	122.53@	11.90	9.35	17.87
12830.00	85.21	38.31	32.00	12660.64	143.70	145.58 N	44.14 E	152.13@	16.87	0.84	12.61
12861.00	85.12	37.78	31.00	12663.25	174.57	169.91 N	63.17 E	181.27@	20.40	-0.29	1.73
12893.00	84.77	39.45	32.00	12666.07	206.42	194.81 N	83.07 E	211.78@	23.09	-1.09	5.31
12924.00	86.88	39.72	31.00	12668.33	237.27	218.64 N	102.77 E	241.59@	25.17	6.81	6.86
12956.00	88.81	40.60	32.00	12669.53	269.16	243.08 N	123.39 E	272.60@	26.91	6.03	6.63
12987.00	88.29	42.00	31.00	12670.32	300.02	266.36 N	143.84 E	302.72@	28.37	-1.68	4.82
13019.00	89.60	42.35	32.00	12670.91	331.83	290.07 N	165.32 E	333.87@	29.68	4.09	4.24
13051.00	89.78	42.35	32.00	12671.08	363.64	313.72 N	186.88 E	365.16@	30.78	0.56	0.56
13082.00	89.60	42.44	31.00	12671.25	394.44	336.61 N	207.78 E	395.58@	31.69	-0.58	0.65
13114.00	89.60	42.18	32.00	12671.47	426.25	360.28 N	229.32 E	427.07@	32.48	0.00	0.81
13147.00	89.60	42.97	33.00	12671.70	459.03	384.58 N	251.64 E	459.59@	33.20	0.00	2.39
13178.00	89.52	42.97	31.00	12671.94	489.81	407.26 N	272.77 E	490.17@	33.81	-0.26	0.26
13208.00	89.87	42.62	30.00	12672.10	519.60	429.27 N	293.16 E	519.82@	34.33	1.17	1.65
13239.00	90.22	42.27	31.00	12672.08	550.40	452.15 N	314.08 E	550.53@	34.79	1.13	1.60
13270.00	90.66	42.09	31.00	12671.84	581.22	475.12 N	334.89 E	581.28@	35.18	1.42	1.53
13302.00	90.75	42.27	32.00	12671.44	613.03	498.83 N	356.38 E	613.05@	35.54	0.28	0.63

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Page 2
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Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	Build Rate (dg/100ft)	DLS (dg/100ft)
33.00	90.84	41.04	31.00	12671.01	643.88	521.99 N	376.98 E	643.88@	35.84	0.29	3.98
13365.00	91.45	41.04	32.00	12670.37	675.75	546.12 N	397.98 E	675.75@	36.08	1.91	1.91
13396.00	91.45	41.21	31.00	12669.59	706.62	569.46 N	418.37 E	706.63@	36.30	0.00	0.55
13428.00	89.69	40.25	32.00	12669.27	738.51	593.71 N	439.24 E	738.53@	36.50	-5.50	6.26
13459.00	89.96	40.16	31.00	12669.37	769.42	617.39 N	459.26 E	769.47@	36.64	0.87	0.92
13491.00	89.87	40.16	32.00	12669.41	801.34	641.84 N	479.89 E	801.41@	36.78	-0.28	0.28
13522.00	89.87	40.16	31.00	12669.48	832.26	665.53 N	499.89 E	832.36@	36.91	0.00	0.00
13553.00	89.96	40.33	31.00	12669.53	863.17	689.20 N	519.91 E	863.31@	37.03	0.29	0.62
13585.00	89.69	39.63	32.00	12669.63	895.10	713.72 N	540.47 E	895.27@	37.14	-0.84	2.34
13617.00	89.08	37.87	32.00	12669.97	927.06	738.67 N	560.50 E	927.25@	37.19	-1.91	5.82
13648.00	88.99	37.26	31.00	12670.49	958.04	763.24 N	579.40 E	958.25@	37.20	-0.29	1.99
13680.00	88.72	35.50	32.00	12671.13	990.03	789.00 N	598.37 E	990.24@	37.18	-0.84	5.56
13711.00	88.90	34.88	31.00	12671.78	1021.02	814.33 N	616.23 E	1021.21@	37.12	0.58	2.08
13743.00	90.04	34.62	32.00	12672.07	1053.01	840.62 N	634.47 E	1053.18@	37.04	3.56	3.65
13774.00	90.22	33.92	31.00	12672.00	1084.00	866.23 N	651.93 E	1084.15@	36.97	0.58	2.33
13806.00	90.22	33.83	32.00	12671.88	1115.98	892.80 N	669.77 E	1116.10@	36.88	0.00	0.28
13837.00	90.04	33.48	31.00	12671.81	1146.95	918.61 N	686.95 E	1147.05@	36.79	-0.58	1.27
13869.00	90.31	33.04	32.00	12671.71	1178.91	945.36 N	704.50 E	1178.99@	36.69	0.84	1.61
13900.00	90.57	32.60	31.00	12671.47	1209.86	971.42 N	721.30 E	1209.92@	36.59	0.84	1.65
13931.00	90.92	32.42	31.00	12671.07	1240.80	997.56 N	737.96 E	1240.85@	36.49	1.13	1.27
13963.00	91.01	33.13	32.00	12670.53	1272.75	1024.46 N	755.28 E	1272.77@	36.40	0.28	2.24
13994.00	91.28	32.60	31.00	12669.91	1303.69	1050.49 N	772.10 E	1303.71@	36.32	0.87	1.92
14026.00	91.54	32.25	32.00	12669.12	1335.62	1077.49 N	789.25 E	1335.63@	36.22	0.81	1.36
14057.00	91.80	31.90	31.00	12668.22	1366.53	1103.75 N	805.70 E	1366.54@	36.13	0.84	1.41
14087.00	91.63	32.95	30.00	12667.32	1396.46	1129.06 N	821.78 E	1396.46@	36.05	-0.57	3.54
14119.00	91.28	34.97	32.00	12666.51	1428.43	1155.59 N	839.65 E	1428.43@	36.00	-1.09	6.40
14150.00	91.54	34.62	31.00	12665.75	1459.41	1181.04 N	857.34 E	1459.41@	35.98	0.84	1.41
14182.00	92.07	34.27	32.00	12664.74	1491.38	1207.42 N	875.43 E	1491.38@	35.94	1.66	1.98
14214.00	91.89	35.76	32.00	12663.64	1523.36	1233.61 N	893.78 E	1523.36@	35.92	-0.56	4.69
14244.00	92.24	36.20	30.00	12662.55	1553.34	1257.87 N	911.39 E	1553.34@	35.93	1.17	1.87
14275.00	90.84	36.38	31.00	12661.72	1584.33	1282.85 N	929.73 E	1584.33@	35.93	-4.52	4.55
14307.00	90.57	36.11	32.00	12661.33	1616.32	1308.65 N	948.65 E	1616.33@	35.94	-0.84	1.19
14338.00	90.84	36.47	31.00	12660.95	1647.32	1333.64 N	967.00 E	1647.32@	35.95	0.87	1.45
14370.00	90.04	36.55	32.00	12660.70	1679.32	1359.36 N	986.03 E	1679.32@	35.96	-2.50	2.51
14402.00	89.60	36.73	32.00	12660.80	1711.32	1385.03 N	1005.13 E	1711.32@	35.97	-1.38	1.49
14433.00	89.87	36.38	31.00	12660.94	1742.32	1409.94 N	1023.59 E	1742.32@	35.98	0.87	1.43
14464.00	89.69	37.08	31.00	12661.06	1773.31	1434.78 N	1042.13 E	1773.31@	35.99	-0.58	2.33
14495.00	88.90	36.82	31.00	12661.45	1804.31	1459.55 N	1060.77 E	1804.31@	36.01	-2.55	2.68
14526.00	89.25	36.99	31.00	12661.95	1835.30	1484.34 N	1079.38 E	1835.30@	36.02	1.13	1.26
14558.00	89.52	36.64	32.00	12662.29	1867.29	1509.96 N	1098.55 E	1867.29@	36.04	0.84	1.38
14590.00	89.60	37.08	32.00	12662.54	1899.29	1535.56 N	1117.75 E	1899.29@	36.05	0.25	1.40
14621.00	89.78	36.73	31.00	12662.70	1930.28	1560.35 N	1136.36 E	1930.28@	36.06	0.58	1.27
14653.00	89.78	36.47	32.00	12662.83	1962.28	1586.04 N	1155.44 E	1962.28@	36.07	0.00	0.81
14684.00	89.87	36.55	31.00	12662.92	1993.28	1610.95 N	1173.89 E	1993.28@	36.08	0.29	0.39
14716.00	89.60	36.99	32.00	12663.07	2025.28	1636.59 N	1193.04 E	2025.28@	36.09	-0.84	1.61
8.00	89.52	36.64	32.00	12663.32	2057.27	1662.20 N	1212.22 E	2057.28@	36.10	-0.25	1.12
14779.00	89.08	36.38	31.00	12663.69	2088.27	1687.12 N	1230.66 E	2088.27@	36.11	-1.42	1.65

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10.00	88.81	36.03	31.00	12664.26	2119.26	1712.13 N	1248.97 E	2119.27@	36.11	-0.87	1.43
14842.00	88.64	36.03	32.00	12664.98	2151.26	1738.00 N	1267.78 E	2151.26@	36.11	-0.53	0.53
14873.00	88.29	36.29	31.00	12665.81	2182.25	1763.02 N	1286.07 E	2182.25@	36.11	-1.13	1.41
14903.00	88.55	36.55	30.00	12666.63	2212.23	1787.15 N	1303.87 E	2212.24@	36.11	0.87	1.23
14935.00	89.60	36.73	32.00	12667.15	2244.23	1812.82 N	1322.97 E	2244.23@	36.12	3.28	3.33
14966.00	89.69	35.85	31.00	12667.34	2275.23	1837.81 N	1341.31 E	2275.23@	36.12	0.29	2.85
14997.00	89.87	35.76	31.00	12667.46	2306.23	1862.95 N	1359.45 E	2306.23@	36.12	0.58	0.65
15029.00	90.22	36.47	32.00	12667.44	2338.22	1888.80 N	1378.31 E	2338.23@	36.12	1.09	2.47
15060.00	90.66	35.76	31.00	12667.20	2369.22	1913.84 N	1396.58 E	2369.23@	36.12	1.42	2.69
15091.00	90.92	36.11	31.00	12666.77	2400.22	1938.94 N	1414.77 E	2400.22@	36.12	0.84	1.41
15122.00	91.01	36.11	31.00	12666.25	2431.22	1963.98 N	1433.04 E	2431.22@	36.12	0.29	0.29
15154.00	89.60	35.32	32.00	12666.08	2463.21	1989.96 N	1451.72 E	2463.22@	36.11	-4.41	5.05
15186.00	89.69	35.59	32.00	12666.28	2495.21	2016.03 N	1470.28 E	2495.21@	36.10	0.28	0.89
15217.00	89.60	36.38	31.00	12666.47	2526.21	2041.11 N	1488.49 E	2526.21@	36.10	-0.29	2.56
15249.00	89.60	35.76	32.00	12666.69	2558.21	2066.98 N	1507.34 E	2558.21@	36.10	0.00	1.94
15280.00	89.78	35.76	31.00	12666.86	2589.21	2092.13 N	1525.45 E	2589.21@	36.10	0.58	0.58
15312.00	89.87	35.76	32.00	12666.96	2621.21	2118.10 N	1544.15 E	2621.21@	36.09	0.28	0.28
15343.00	90.22	36.11	31.00	12666.93	2652.21	2143.20 N	1562.34 E	2652.21@	36.09	1.13	1.60
15374.00	90.22	35.85	31.00	12666.81	2683.21	2168.28 N	1580.56 E	2683.21@	36.09	0.00	0.84
15406.00	90.48	36.20	32.00	12666.62	2715.21	2194.16 N	1599.38 E	2715.21@	36.09	0.81	1.36
Straight Line Projection To Bit @ 15465' MD.											
15465.00	90.48	36.20	59.00	12666.12	2774.21	2241.77 N	1634.22 E	2774.21@	36.09	0.00	0.00