Pathfinder

BHL Report

Job No: J-WT-0506-0086 WT-WT
Date: 6/20/2005
Time: 9:28 am
Wellpath ID: 36-6 Final
Date Created: 6/4/2005
Last Revision: 6/20/2005

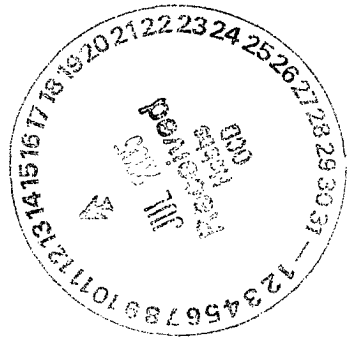
Calculated using the Minimum Curvarture Method
Computed using PDS VER2.2.6
Vertical Section Plane: 116.76 deg.

vey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

SUR: D-36-14s-37e, 660/N & 330/W
BHL: F-36-14s-37e, 1509/N & 2018/W
API #30-025-05214

Platinum Exploration
POPE 36 - 6
POOL # 441
POPE 36 - 6
LEA CO, NM

Measured Depth	14438.00	(ft)
Inclination	89.96	(deg)
Azimuth	114.23	(deg)
True Vertical Depth	12601.40	(ft)
Vertical Section	1889.69	(ft)
Rectangular Offsets		
North/South	848.82 S	(ft)
East/West	1688.32 E	(ft)
Closure Dist & Dir	1889.69 @ 116.69	(deg)
Dogleg Severity	0.00	(deg/100ft)
Build Rate	0.00	(deg/100ft)
Walk Rate	0.00	(deg/100ft)



Pathfinder

Survey Report

Job No: J-WT-0506-0086 WT-WT
Date: 6/20/2005
Time: 9:29 am
Wellpath ID: 36-6 Final
Date Created: 6/4/2005
Last Revision: 6/20/2005

Calculated using the Minimum Curvarture Method
Computed using PDS VER2.2.6
Vertical Section Plane: 116.76 deg.

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

Platinum Exploration
POPE 36 - 6
POOL # 441
POPE 36 - 6
LEA CO, NM

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		DLS (dg/100ft)	Build Rate (dg/100ft)
Gyrodata Tie-In									
12369.00	1.26	54.80	0.00	12368.52	-18.53	29.85 N	5.70 W	0.00	0.00
12442.00	1.67	60.62	73.00	12441.50	-17.56	30.83 N	4.12 W	0.60	0.56
12474.00	1.67	154.66	32.00	12473.49	-16.93	30.64 N	3.51 W	7.64	0.00
12505.00	20.31	125.83	31.00	12503.79	-11.21	27.05 N	1.09 E	60.85	60.13
12537.00	39.66	120.82	32.00	12531.38	4.61	18.49 N	14.49 E	60.92	60.47
12569.00	59.97	114.40	32.00	12551.93	28.91	7.41 N	36.11 E	65.23	63.47
12599.00	80.55	111.94	30.00	12562.01	56.93	3.60 S	61.94 E	69.03	68.60
12630.00	91.45	115.72	31.00	12564.17	87.77	16.08 S	90.18 E	37.20	35.16
12662.00	91.89	120.56	32.00	12563.24	119.73	31.16 S	118.38 E	15.18	1.38
12693.00	92.77	119.94	31.00	12561.98	150.65	46.77 S	145.14 E	3.47	2.84
12724.00	94.44	120.12	31.00	12560.03	181.54	62.25 S	171.92 E	5.42	5.39
12756.00	94.97	119.97	32.00	12557.40	213.38	78.22 S	199.53 E	1.72	1.66
12787.00	95.14	120.12	31.00	12554.67	244.21	93.68 S	226.26 E	0.73	0.55
12818.00	94.26	120.29	31.00	12552.13	275.04	109.22 S	252.96 E	2.89	-2.84
12849.00	92.95	120.82	31.00	12550.18	305.91	124.95 S	279.60 E	4.56	-4.23
12881.00	92.95	121.35	32.00	12548.54	337.78	141.45 S	306.97 E	1.65	0.00
12912.00	93.03	121.70	31.00	12546.92	368.63	157.64 S	333.36 E	1.16	0.26
12944.00	92.95	121.70	32.00	12545.25	400.47	174.43 S	360.55 E	0.25	-0.25
12976.00	92.86	123.02	32.00	12543.63	432.28	191.54 S	387.54 E	4.13	-0.28
13007.00	91.10	122.14	31.00	12542.56	463.10	208.22 S	413.65 E	6.35	-5.68
13037.00	91.28	122.75	30.00	12541.93	492.94	224.31 S	438.96 E	2.12	0.60
13069.00	88.99	123.28	32.00	12541.86	524.75	241.74 S	465.79 E	7.35	-7.16
13100.00	87.41	123.37	31.00	12542.83	555.53	258.76 S	491.68 E	5.11	-5.10
13132.00	87.58	123.58	32.00	12544.23	587.28	276.40 S	518.34 E	0.84	0.53
13163.00	85.47	120.56	31.00	12546.11	618.08	292.83 S	544.56 E	11.87	-6.81
13195.00	84.68	120.64	32.00	12548.86	649.89	309.05 S	572.00 E	2.48	-2.47
13226.00	83.03	116.95	31.00	12552.18	680.69	323.90 S	599.01 E	12.98	-5.32
13258.00	82.66	117.39	32.00	12556.16	712.44	338.40 S	627.25 E	1.79	-1.16
13289.00	82.04	115.72	31.00	12560.29	743.16	352.13 S	654.74 E	5.70	-2.00
13321.00	82.31	115.46	32.00	12564.64	774.86	365.83 S	683.33 E	1.17	0.84
13352.00	82.92	115.20	31.00	12568.63	805.59	378.98 S	711.11 E	2.14	1.97
13383.00	86.79	113.44	31.00	12571.41	836.43	391.69 S	739.24 E	13.70	12.48
13415.00	87.41	112.82	32.00	12573.03	868.33	404.24 S	768.63 E	2.74	1.94
13446.00	87.93	113.00	31.00	12574.29	899.23	416.30 S	797.16 E	1.77	1.68
13478.00	88.37	113.79	32.00	12575.32	931.16	429.00 S	826.52 E	2.82	1.38
13509.00	87.93	116.95	31.00	12576.32	962.13	442.27 S	854.51 E	10.29	-1.42
13541.00	88.53	117.92	32.00	12577.31	994.11	457.01 S	882.90 E	3.56	1.87
13572.00	87.67	117.39	31.00	12578.34	1025.09	471.39 S	910.34 E	3.26	-2.77
13603.00	85.65	116.78	31.00	12580.14	1056.03	485.48 S	937.89 E	6.81	-6.52
13635.00	85.56	117.13	32.00	12582.60	1087.94	499.94 S	966.33 E	1.13	-0.28

Pathfinder

Survey Report

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		DLS (dg/100ft)	Build Rate (dg/100ft)
13666.00	85.56	117.04	31.00	12585.00	1118.85	514.02 S	993.85 E	0.29	0.00
698.00	85.47	114.58	32.00	12587.50	1150.74	527.90 S	1022.57 E	7.67	-0.28
3729.00	86.35	113.53	31.00	12589.71	1181.63	540.51 S	1050.80 E	4.41	2.84
13761.00	88.11	114.05	32.00	12591.26	1213.55	553.40 S	1080.05 E	5.73	5.50
13792.00	88.29	113.70	31.00	12592.23	1244.49	565.94 S	1108.38 E	1.27	0.58
13824.00	88.55	115.02	32.00	12593.11	1276.45	579.14 S	1137.52 E	4.20	0.81
13855.00	88.99	115.29	31.00	12593.78	1307.43	592.31 S	1165.57 E	1.67	1.42
13887.00	89.87	117.57	32.00	12594.10	1339.43	606.55 S	1194.23 E	7.64	2.75
13918.00	89.34	121.70	31.00	12594.31	1370.38	621.88 S	1221.16 E	13.43	-1.71
13948.00	87.23	120.56	30.00	12595.21	1400.28	637.38 S	1246.83 E	7.99	-7.03
13979.00	86.79	118.01	31.00	12596.82	1431.20	652.52 S	1273.83 E	8.34	-1.42
14011.00	86.61	115.55	32.00	12598.67	1463.15	666.91 S	1302.35 E	7.70	-0.56
14042.00	88.72	115.81	31.00	12599.93	1494.11	680.33 S	1330.26 E	6.86	6.81
14073.00	89.43	116.04	31.00	12600.43	1525.11	693.89 S	1358.14 E	2.41	2.29
14105.00	89.08	119.08	32.00	12600.85	1557.10	708.69 S	1386.50 E	9.56	-1.09
14136.00	88.81	119.42	31.00	12601.42	1588.06	723.83 S	1413.54 E	1.40	-0.87
14168.00	87.67	115.46	32.00	12602.40	1620.04	738.57 S	1441.92 E	12.87	-3.56
14199.00	88.11	114.32	31.00	12603.54	1651.00	751.61 S	1470.02 E	3.94	1.42
14231.00	90.75	113.09	32.00	12603.86	1682.95	764.47 S	1499.32 E	9.10	8.25
14262.00	91.10	113.79	31.00	12603.36	1713.89	776.80 S	1527.76 E	2.52	1.13
14293.00	91.36	113.97	31.00	12602.69	1744.85	789.35 S	1556.10 E	1.02	0.84
14325.00	91.28	114.05	32.00	12601.96	1776.80	802.36 S	1585.32 E	0.35	-0.25
14356.00	90.48	114.49	31.00	12601.48	1807.77	815.10 S	1613.58 E	2.95	-2.58
14387.00	89.96	114.23	31.00	12601.36	1838.74	827.89 S	1641.82 E	1.88	-1.68
PROJ AT TD 14438.00	89.96	114.23	51.00	12601.40	1889.69	848.82 S	1688.32 E	0.00	0.00

PATHFINDER ENERGY SERVICES

PathFinder Energy Service
Survey Report - Geographic

Company:	Platinum Exploration	**Date:** 6/14/2005 **Time:** 07:53:30	**Page:** 1
Field:	Denton (Devonian)	**Co-ordinate(NE) Reference:**	Site: T.D. Pope 36 #6-H, Grid North
Site:	T.D. Pope 36 #6-H	**Vertical (TVD) Reference:**	SITE 0.0
Well:	T.D. Pope "36" #6-H	**Section (VS) Reference:**	Well (0.00N,0.00E,116.76Azi)
Wellpath:	T.D. Pope 36 #6-H	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Field: Denton (Devonian)
Lea County, New Mexico
U.S.A.

Map System:	US State Plane Coordinate System 1927	**Map Zone:**	New Mexico, Eastern Zone
Geo Datum:	NAD27 (Clarke 1866)	**Coordinate System:**	Site Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	igrf2005

Site: T.D. Pope 36 #6-H
Section 36, T-14S & R-37E
660' FNL & 330' FWL Section 36

Site Position:		**Northing:**	753592.00 ft	**Latitude:**	33	3	58.205 N
From:	Map	**Easting:**	859269.00 ft	**Longitude:**	103	9	38.313 W
Position Uncertainty:	0.00 ft			**North Reference:**			Grid
Ground Level:	0.00 ft			**Grid Convergence:**			0.64 deg

Well: T.D. Pope "36" #6-H **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	753592.00 ft	**Latitude:**	33	3	58.205 N
	+E/-W	0.00 ft	**Easting :**	859269.00 ft	**Longitude:**	103	9	38.313 W
Position Uncertainty:		0.00 ft						

Wellpath: T.D. Pope 36 #6-H

				Drilled From:	Surface
				Tie-on Depth:	0.00 ft
Current Datum:	SITE	**Height**	0.00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	6/3/2005			**Declination:**	8.17 deg
Field Strength:	49822 nT			**Mag Dip Angle:**	61.20 deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	0.00	0.00	0.00	116.76

Survey: PathFinder MWD Survey **Start Date:** 6/7/2005

Company: PathFinder Energy Service **Engineer:** Mike Gallaher Jr.
Tool: MWD;PathFinder MWD **Tied-to:** From: Definitive Path

Survey: PathFinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg	Min	Sec		<— Longitude —> Deg	Min	Sec	
12369.00	1.26	54.80	12368.51	29.89	-5.71	753621.89	859263.29	33	3	58.501	N	103	9	38.377	W
12442.00	1.67	60.62	12441.49	30.88	-4.13	753622.88	859264.87	33	3	58.511	N	103	9	38.358	W
12444.00	1.56	64.44	12443.49	30.90	-4.08	753622.90	859264.92	33	3	58.511	N	103	9	38.357	W
12474.00	1.67	154.66	12473.48	30.68	-3.52	753622.68	859265.48	33	3	58.509	N	103	9	38.351	W
12505.00	20.31	125.83	12503.79	27.09	1.07	753619.09	859270.07	33	3	58.473	N	103	9	38.297	W
12537.00	39.66	120.82	12531.38	18.53	14.48	753610.53	859283.48	33	3	58.387	N	103	9	38.141	W
12569.00	59.97	114.40	12551.93	7.45	36.10	753599.45	859305.10	33	3	58.275	N	103	9	37.888	W
12599.00	80.55	111.94	12562.01	-3.56	61.93	753588.44	859330.93	33	3	58.163	N	103	9	37.586	W
12630.00	91.45	115.72	12564.17	-16.04	90.17	753575.96	859359.17	33	3	58.036	N	103	9	37.256	W
12662.00	91.89	120.56	12563.23	-31.12	118.37	753560.88	859387.37	33	3	57.884	N	103	9	36.927	W
12693.00	92.77	119.94	12561.97	-46.73	145.12	753545.27	859414.12	33	3	57.727	N	103	9	36.615	W
12724.00	94.44	120.12	12560.03	-62.21	171.91	753529.79	859440.91	33	3	57.571	N	103	9	36.302	W
12756.00	94.97	119.97	12557.40	-78.18	199.52	753513.82	859468.52	33	3	57.410	N	103	9	35.980	W
12787.00	95.14	120.12	12554.67	-93.64	226.25	753498.36	859495.25	33	3	57.254	N	103	9	35.668	W
12818.00	94.26	120.29	12552.13	-109.18	252.95	753482.82	859521.95	33	3	57.097	N	103	9	35.356	W
12849.00	92.95	120.82	12550.18	-124.91	279.59	753467.09	859548.59	33	3	56.938	N	103	9	35.045	W
12881.00	92.95	121.35	12548.53	-141.41	306.96	753450.59	859575.96	33	3	56.772	N	103	9	34.726	W
12912.00	93.03	121.70	12546.92	-157.60	333.35	753434.40	859602.35	33	3	56.609	N	103	9	34.418	W
12944.00	92.95	121.70	12545.25	-174.39	360.53	753417.61	859629.53	33	3	56.440	N	103	9	34.101	W
12976.00	92.86	123.02	12543.62	-191.49	387.53	753400.51	859656.53	33	3	56.268	N	103	9	33.786	W
13007.00	91.10	122.14	12542.55	-208.18	413.63	753383.82	859682.63	33	3	56.100	N	103	9	33.481	W
13037.00	91.28	122.75	12541.93	-224.27	438.95	753367.73	859707.95	33	3	55.938	N	103	9	33.186	W
13069.00	88.99	123.28	12541.86	-241.70	465.78	753350.30	859734.78	33	3	55.762	N	103	9	32.873	W

PATHFINDER ENERGY SERVICES

PathFinder Energy Service
Survey Report - Geographic

Company:	Platinum Exploration	**Date:** 6/14/2005 **Time:** 07:53:30	**Page:** 2
Field:	Denton (Devonian)	**Co-ordinate(NE) Reference:**	Site: T.D. Pope 36 #6-H, Grid North
Site:	T.D. Pope 36 #6-H	**Vertical (TVD) Reference:**	SITE 0.0
Well:	T.D. Pope "36" #6-H	**Section (VS) Reference:**	Well (0.00N,0.00E,116.76Azi)
Wellpath:	T.D. Pope 36 #6-H	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Survey: PathFinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg	Min	Sec		<— Longitude —> Deg	Min	Sec	
13100.00	87.41	123.37	12542.83	-258.72	491.67	753333.28	859760.67	33	3	55.591	N	103	9	32.571	W
13132.00	87.58	123.58	12544.23	-276.36	518.33	753315.64	859787.33	33	3	55.414	N	103	9	32.260	W
13163.00	85.47	120.56	12546.11	-292.78	544.55	753299.22	859813.55	33	3	55.248	N	103	9	31.954	W
13195.00	84.68	120.64	12548.85	-309.01	571.99	753282.99	859840.99	33	3	55.085	N	103	9	31.634	W
13226.00	83.03	116.95	12552.17	-323.86	598.99	753268.14	859867.99	33	3	54.935	N	103	9	31.319	W
13258.00	82.66	117.39	12556.16	-338.36	627.24	753253.64	859896.24	33	3	54.788	N	103	9	30.989	W
13289.00	82.04	115.72	12560.29	-352.09	654.72	753239.91	859923.72	33	3	54.649	N	103	9	30.668	W
13321.00	82.31	115.46	12564.64	-365.78	683.32	753226.22	859952.32	33	3	54.511	N	103	9	30.333	W
13352.00	82.92	115.20	12568.63	-378.94	711.10	753213.06	859980.10	33	3	54.378	N	103	9	30.009	W
13383.00	86.79	113.44	12571.41	-391.65	739.23	753200.35	860008.23	33	3	54.249	N	103	9	29.680	W
13415.00	87.41	112.82	12573.03	-404.20	768.62	753187.80	860037.62	33	3	54.121	N	103	9	29.336	W
13446.00	87.93	113.00	12574.29	-416.26	797.15	753175.74	860066.15	33	3	53.999	N	103	9	29.003	W
13478.00	88.37	113.79	12575.32	-428.96	826.51	753163.04	860095.51	33	3	53.870	N	103	9	28.660	W
13509.00	87.93	116.95	12576.32	-442.23	854.50	753149.77	860123.50	33	3	53.735	N	103	9	28.332	W
13541.00	88.53	117.92	12577.31	-456.97	882.89	753135.03	860151.89	33	3	53.587	N	103	9	28.001	W
13572.00	87.67	117.39	12578.34	-471.35	910.33	753120.65	860179.33	33	3	53.441	N	103	9	27.680	W
13603.00	85.65	116.78	12580.14	-485.44	937.88	753106.56	860206.88	33	3	53.299	N	103	9	27.358	W
13635.00	85.56	117.13	12582.60	-499.90	966.32	753092.10	860235.32	33	3	53.153	N	103	9	27.026	W
13666.00	85.56	117.04	12585.00	-513.97	993.84	753078.03	860262.84	33	3	53.010	N	103	9	26.705	W
13698.00	85.47	114.58	12587.50	-527.86	1022.55	753064.14	860291.55	33	3	52.870	N	103	9	26.369	W
13729.00	86.35	113.53	12589.71	-540.47	1050.79	753051.53	860319.79	33	3	52.742	N	103	9	26.039	W
13761.00	88.11	114.05	12591.26	-553.36	1080.04	753038.64	860349.04	33	3	52.611	N	103	9	25.697	W
13792.00	88.29	113.70	12592.23	-565.90	1108.37	753026.10	860377.37	33	3	52.484	N	103	9	25.366	W
13824.00	88.55	115.02	12593.11	-579.09	1137.51	753012.91	860406.51	33	3	52.350	N	103	9	25.025	W
13855.00	88.99	115.29	12593.78	-592.27	1165.56	752999.73	860434.56	33	3	52.217	N	103	9	24.698	W
13887.00	89.87	117.57	12594.10	-606.51	1194.21	752985.49	860463.21	33	3	52.073	N	103	9	24.363	W
13918.00	89.34	121.70	12594.31	-621.83	1221.15	752970.17	860490.15	33	3	51.918	N	103	9	24.048	W
13948.00	87.23	120.56	12595.21	-637.34	1246.82	752954.66	860515.82	33	3	51.762	N	103	9	23.749	W
13979.00	86.79	118.01	12596.82	-652.48	1273.82	752939.52	860542.82	33	3	51.609	N	103	9	23.434	W
14011.00	86.61	115.55	12598.67	-666.87	1302.34	752925.13	860571.34	33	3	51.464	N	103	9	23.101	W
14042.00	88.72	115.81	12599.93	-680.29	1330.25	752911.71	860599.25	33	3	51.328	N	103	9	22.774	W
14073.00	89.43	116.04	12600.43	-693.84	1358.12	752898.16	860627.12	33	3	51.190	N	103	9	22.449	W
14105.00	89.08	119.08	12600.85	-708.65	1386.49	752883.35	860655.49	33	3	51.041	N	103	9	22.117	W
14136.00	88.81	119.42	12601.42	-723.79	1413.53	752868.21	860682.53	33	3	50.888	N	103	9	21.802	W
14168.00	87.67	115.46	12602.40	-738.53	1441.91	752853.47	860710.91	33	3	50.739	N	103	9	21.470	W
14199.00	88.11	114.32	12603.54	-751.57	1470.01	752840.43	860739.01	33	3	50.607	N	103	9	21.142	W
14231.00	90.75	113.09	12603.86	-764.43	1499.31	752827.57	860768.31	33	3	50.477	N	103	9	20.799	W
14262.00	91.10	113.79	12603.36	-776.76	1527.75	752815.24	860796.75	33	3	50.351	N	103	9	20.467	W
14293.00	91.36	113.97	12602.69	-789.30	1556.09	752802.70	860825.09	33	3	50.224	N	103	9	20.136	W
14325.00	91.28	114.05	12601.96	-802.32	1585.31	752789.68	860854.31	33	3	50.092	N	103	9	19.794	W
14356.00	90.48	114.49	12601.48	-815.06	1613.57	752776.94	860882.57	33	3	49.963	N	103	9	19.464	W
14387.00	89.96	114.23	12601.36	-827.85	1641.80	752764.15	860910.80	33	3	49.833	N	103	9	19.134	W
14415.80	89.96	114.23	12601.38	-839.67	1668.07	752752.33	860937.07	33	3	49.713	N	103	9	18.827	W
14438.00	89.96	114.23	12601.40	-848.78	1688.31	752743.22	860957.31	33	3	49.621	N	103	9	18.590	W

Annotation

MD ft	TVD ft	
12444.00	12443.49	Kick Off Point -8640' SS
14415.80	12601.38	Proposed TD -8870' SS
14438.00	12601.40	Proj. to TD.