

Pathfinder

BHL Report

Page 1
Job No: J-WT-0506-0090-WT-WT
Date: 6/20/2005
Time: 8:59 am
Wellpath ID: 05060090
Date Created: 6/9/2005
Last Revision: 6/19/2005

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 156.31 deg.

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

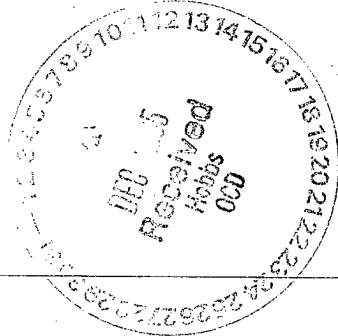
Platinum Exploration
Shelton #6-H
Key # 36
Lea County , NM
Shelton26_6h

SUR: D-26-14s-37e, 990/N & 660/W
BHL: E-26-14s-37e, 2086/N & 1138/W
API # 30-025-05133

Decl: 7.55 East To Grid
KBH: 10'

PES Office Supervisor:
Ron Welch

PES Field Engineer:
Robby Savage



Measured Depth	13632.00	(ft)
Inclination	89.00	(deg)
Azimuth	157.00	(deg)
True Vertical Depth	12671.82	(ft)
Vertical Section	1195.45	(ft)
Rectangular Offsets		
North/South	1095.63 S	(ft)
East/West	478.24 E	(ft)
Closure Dist & Dir	1195.45@156.42	(deg)
Dogleg Severity	1.38	(deg/100ft)
Build Rate	1.38	(deg/100ft)
Walk Rate	0.00	(deg/100ft)

Pathfinder

Survey Report

Page 1
Job No: J-WT-0506-0090-WT-WT
Date: 6/20/2005
Time: 9:00 am
Wellpath ID: 05060090
Date Created: 6/9/2005
Last Revision: 6/19/2005

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 156.31 deg.

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

Platinum Exploration
Shelton #6-H
Key # 36
Lea County, NM
Shelton26_6h

Decl: 7.55 East To Grid
KBH: 10'

PES Office Supervisor:
Ron Welch

PES Field Engineer:
Robby Savage

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		Closure Dist. Dir. (ft) (deg.)	Build Rate (dg/100ft)	DLS (dg/100ft)
Tied Into GyroData Good Gyro Survey.										
12444.00	4.44	112.10	0.00	12441.25	100.58	48.81 S	139.08 E	147.40@109.34	0.00	0.00
The Following Are Pathfinder MWD Surveys										
12473.00	12.66	152.39	29.00	12469.92	104.56	52.06 S	141.60 E	150.86@110.18	28.34	33.45
12475.00	27.79	165.14	32.00	12499.87	115.50	62.44 S	145.16 E	158.02@113.27	47.28	48.98
12536.00	43.44	168.92	31.00	12525.00	133.15	79.99 S	149.09 E	169.19@118.22	50.48	50.96
12568.00	58.39	173.93	32.00	12545.13	157.02	104.49 S	152.66 E	185.00@124.39	46.72	48.25
12597.00	72.46	177.71	29.00	12557.16	181.80	130.72 S	154.53 E	202.41@130.23	48.52	49.93
12627.00	84.33	177.97	30.00	12563.19	209.08	160.04 S	155.63 E	223.23@135.80	39.57	39.58
12658.00	87.23	177.44	31.00	12565.47	237.86	190.92 S	156.87 E	247.11@140.59	9.35	9.51
12690.00	87.41	175.95	32.00	12566.96	267.83	222.83 S	158.72 E	273.58@144.54	0.56	4.69
12721.00	87.32	174.10	31.00	12568.39	297.16	253.68 S	161.40 E	300.68@147.53	-0.29	5.97
12751.00	87.23	172.70	30.00	12569.81	325.80	283.45 S	164.85 E	327.90@149.82	-0.30	4.67
12783.00	87.49	172.43	32.00	12571.29	356.49	315.15 S	168.98 E	357.59@151.80	0.81	1.17
12814.00	88.11	169.09	31.00	12572.48	386.48	345.72 S	173.96 E	387.02@153.29	2.00	10.95
12846.00	86.97	166.54	32.00	12573.85	417.80	376.97 S	180.70 E	418.04@154.39	-3.56	8.72
12877.00	83.98	163.82	31.00	12576.30	448.33	406.84 S	188.60 E	448.43@155.13	-9.65	13.02
12909.00	83.45	159.60	32.00	12579.80	479.99	437.03 S	198.58 E	480.03@155.56	-1.66	13.21
12940.00	86.53	158.90	31.00	12582.51	510.83	465.90 S	209.52 E	510.85@155.79	9.94	10.19
12972.00	86.70	158.99	32.00	12584.40	542.74	495.71 S	221.00 E	542.75@155.97	0.53	0.60
13003.00	86.88	158.90	31.00	12586.14	573.66	524.60 S	232.12 E	573.66@156.13	0.58	0.65
13035.00	87.14	156.96	32.00	12587.81	605.60	554.21 S	244.13 E	605.60@156.23	0.81	6.11
13066.00	86.44	156.61	31.00	12589.54	636.55	582.66 S	256.33 E	636.55@156.25	-2.26	2.52
13098.00	85.21	157.05	32.00	12591.87	668.46	612.00 S	268.88 E	668.46@156.28	-3.84	4.08
13129.00	85.12	157.49	31.00	12594.49	699.35	640.49 S	280.82 E	699.35@156.33	-0.29	1.44
13161.00	84.24	157.32	32.00	12597.45	731.20	669.91 S	293.06 E	731.20@156.37	-2.75	2.80
13193.00	81.34	158.02	32.00	12601.47	762.94	699.27 S	305.12 E	762.94@156.43	-9.06	9.32
13225.00	79.84	156.70	31.00	12606.54	793.51	727.49 S	316.89 E	793.52@156.46	-4.84	6.41

Pathfinder Survey Report

Page 2
Date: 6/20/2005
Wellpath ID: 05060090

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. Dir. (ft) (deg.)	Build Rate (dg/100ft)	DLS (dg/100ft)
13256.00	80.24	155.03	32.00	12612.07	825.03	756.25 S	329.78 E	825.03@156.44	1.25	5.29
13287.00	80.28	155.29	31.00	12617.32	855.58	783.98 S	342.61 E	855.58@156.39	0.13	0.84
13318.00	80.11	156.35	31.00	12622.59	886.12	811.85 S	355.13 E	886.12@156.37	-0.55	3.41
13350.00	78.88	156.00	32.00	12628.43	917.58	840.63 S	367.84 E	917.58@156.37	-3.84	3.99
13381.00	80.20	155.91	31.00	12634.06	948.07	868.47 S	380.26 E	948.07@156.35	4.26	4.27
13415.00	78.35	156.00	34.00	12640.38	981.47	898.97 S	393.87 E	981.47@156.34	-5.44	5.45
13447.00	76.77	156.00	32.00	12647.28	1012.72	927.52 S	406.58 E	1012.72@156.33	-4.94	4.94
13478.00	76.59	156.61	31.00	12654.42	1042.88	955.14 S	418.70 E	1042.88@156.33	-0.58	2.00
13509.00	78.35	156.61	31.00	12661.15	1073.14	982.92 S	430.71 E	1073.15@156.34	5.68	5.68
13540.00	82.13	157.14	31.00	12666.40	1103.69	1011.01 S	442.71 E	1103.69@156.35	12.19	12.31
13571.00	85.82	157.58	31.00	12669.65	1134.51	1039.46 S	454.57 E	1134.51@156.38	11.90	11.99
Projection looking @ 15' 10L										
13603.00	88.60	157.00	32.00	12671.21	1166.46	1068.94 S	466.91 E	1166.46@156.40	8.69	8.87
Proj To BIT										
13632.00	89.00	157.00	29.00	12671.82	1195.45	1095.63 S	478.24 E	1195.45@156.42	1.38	1.38

PathFinder Energy Service

Survey Report - Geographic

Company: Platinum Exploration	Date: 6/20/2005	Time: 08:18:12	Page: 1
Field: Denton (Devonian)	Co-ordinate(NE) Reference: Site: Shelton "26" #6, Grid North		
Site: Shelton "26" #6	Vertical (TVD) Reference: SITE 0.0		
Well: Shelton #6-H	Section (VS) Reference: Well (0.00N,0.00E,156.31Azi)		
Wellpath: Shelton "26" #6-H	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: Denton (Devonian) Lea County, New Mexico U.S.A.	Map Zone: New Mexico, Eastern Zone
Map System: US State Plane Coordinate System 1927	Coordinate System: Site Centre
Geo Datum: NAD27 (Clarke 1866)	Geomagnetic Model: igrf2005
Sys Datum: Mean Sea Level	

Site: Shelton "26" #6 Section 26, T-14S & R-37E 990' FNL & 660' FWL	
Site Position:	Northing: 758496.00 ft
From: Map	Easting: 854235.00 ft
Position Uncertainty: 0.00 ft	Latitude: 33 4 47.273 N
Ground Level: 0.00 ft	Longitude: 103 10 36.822 W
	North Reference: Grid
	Grid Convergence: 0.63 deg

Well: Shelton #6-H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 758496.00 ft
+E/-W 0.00 ft	Easting: 854235.00 ft
Position Uncertainty: 0.00 ft	Latitude: 33 4 47.273 N
	Longitude: 103 10 36.822 W

Wellpath: Shelton "26" #6-H	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 6/8/2005	Above System Datum: Mean Sea Level
Field Strength: 49827 nT	Declination: 8.18 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 61.21 deg
	+E/-W Direction
	deg
0.00	156.31

Survey: PathFinder MWD Survey	Start Date: 6/15/2005
Company: PathFinder Energy Service	Engineer: Robby Savage
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
12444.00	4.44	112.10	12441.25	-48.81	139.08	758447.19	854374.08	33 4 46.775 N	103 10 35.194 W
12473.00	12.66	152.39	12469.92	-52.05	141.59	758443.95	854376.59	33 4 46.742 N	103 10 35.164 W
12505.00	27.79	165.14	12499.88	-62.43	145.15	758433.57	854380.15	33 4 46.639 N	103 10 35.124 W
12536.00	43.44	168.92	12525.00	-79.99	149.08	758416.01	854384.08	33 4 46.465 N	103 10 35.080 W
12568.00	58.39	173.93	12545.13	-104.48	152.66	758391.52	854387.66	33 4 46.222 N	103 10 35.041 W
12597.00	72.46	177.71	12557.16	-130.72	154.53	758365.28	854389.53	33 4 45.963 N	103 10 35.023 W
12627.00	84.33	177.97	12563.19	-160.03	155.63	758335.97	854390.63	33 4 45.672 N	103 10 35.014 W
12658.00	87.23	177.44	12565.47	-190.92	156.87	758305.08	854391.87	33 4 45.367 N	103 10 35.003 W
12690.00	87.41	175.95	12566.96	-222.83	158.71	758273.17	854393.71	33 4 45.051 N	103 10 34.985 W
12721.00	87.32	174.10	12568.39	-253.68	161.40	758242.32	854396.40	33 4 44.745 N	103 10 34.958 W
12751.00	87.23	172.70	12569.82	-283.45	164.84	758212.55	854399.84	33 4 44.451 N	103 10 34.921 W
12783.00	87.49	172.43	12571.29	-315.14	168.98	758180.86	854403.98	33 4 44.136 N	103 10 34.877 W
12814.00	88.11	169.09	12572.48	-345.71	173.95	758150.29	854408.95	33 4 43.834 N	103 10 34.822 W
12846.00	86.97	166.54	12573.85	-376.96	180.70	758119.04	854415.70	33 4 43.524 N	103 10 34.747 W
12877.00	83.98	163.82	12576.30	-406.83	188.60	758089.17	854423.60	33 4 43.227 N	103 10 34.658 W
12909.00	83.45	159.60	12579.80	-437.02	198.58	758058.98	854433.58	33 4 42.927 N	103 10 34.545 W
12940.00	86.53	158.90	12582.51	-465.90	209.52	758030.10	854444.52	33 4 42.641 N	103 10 34.420 W
12972.00	86.70	158.99	12584.40	-495.71	221.00	758000.29	854456.00	33 4 42.344 N	103 10 34.289 W
13003.00	86.88	158.90	12586.14	-524.60	232.11	757971.40	854467.11	33 4 42.057 N	103 10 34.162 W
13035.00	87.14	156.96	12587.81	-554.21	244.12	757941.79	854479.12	33 4 41.763 N	103 10 34.025 W
13066.00	86.44	156.61	12589.54	-582.65	256.32	757913.35	854491.32	33 4 41.480 N	103 10 33.885 W
13098.00	85.21	157.05	12591.87	-611.99	268.88	757884.01	854503.88	33 4 41.189 N	103 10 33.741 W
13129.00	85.12	157.49	12594.48	-640.48	280.81	757855.52	854515.81	33 4 40.906 N	103 10 33.605 W

PathFinder Energy Service

Survey Report - Geographic

Company: Platinum Exploration	Date: 6/20/2005	Time: 08:18:12	Page: 2
Field: Denton (Devonian)	Co-ordinate(NE) Reference:	Site: Shelton "26" #6, Grid North	
Site: Shelton "26" #6	Vertical (TVD) Reference:	SITE 0.0	
Well: Shelton #6-H	Section (VS) Reference:	Well (0.00N,0.00E,156.31Azi)	
Wellpath: Shelton "26" #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		
13161.00	84.24	157.32	12597.45	-669.90	293.06	757826.10	854528.06	33	4	40.613 N	103	10	33.465 W
13193.00	81.34	158.02	12601.47	-699.26	305.12	757796.74	854540.12	33	4	40.322 N	103	10	33.327 W
13224.00	79.84	156.70	12606.54	-727.49	316.89	757768.51	854551.89	33	4	40.041 N	103	10	33.192 W
13256.00	80.24	155.03	12612.07	-756.25	329.78	757739.75	854564.78	33	4	39.755 N	103	10	33.045 W
13287.00	80.28	155.29	12617.32	-783.98	342.61	757712.02	854577.61	33	4	39.479 N	103	10	32.897 W
13318.00	80.11	156.35	12622.60	-811.84	355.12	757684.16	854590.12	33	4	39.202 N	103	10	32.754 W
13350.00	78.88	156.00	12628.43	-840.63	367.83	757655.37	854602.83	33	4	38.916 N	103	10	32.608 W
13381.00	80.20	155.91	12634.06	-868.46	380.25	757627.54	854615.25	33	4	38.639 N	103	10	32.466 W
13415.00	78.35	156.00	12640.38	-898.97	393.86	757597.03	854628.86	33	4	38.336 N	103	10	32.310 W
13447.00	76.77	156.00	12647.28	-927.52	406.57	757568.48	854641.57	33	4	38.052 N	103	10	32.164 W
13478.00	76.59	156.61	12654.42	-955.14	418.70	757540.86	854653.70	33	4	37.778 N	103	10	32.025 W
13509.00	78.35	156.61	12661.14	-982.91	430.71	757513.09	854665.71	33	4	37.502 N	103	10	31.888 W
13540.00	82.13	157.14	12666.40	-1011.00	442.70	757485.00	854677.70	33	4	37.222 N	103	10	31.751 W
13571.00	85.82	157.58	12669.65	-1039.45	454.57	757456.55	854689.57	33	4	36.940 N	103	10	31.615 W
13603.00	88.60	157.00	12671.21	-1068.93	466.91	757427.07	854701.91	33	4	36.647 N	103	10	31.474 W
13632.00	89.00	157.00	12671.82	-1095.62	478.24	757400.38	854713.24	33	4	36.381 N	103	10	31.344 W

Annotation

MD ft	TVD ft	
13632.00	12671.82	Proj. to TD.

A Gyrodata Directional Survey

Field Copy Only, not definitive

for

PLATINUM EXPLORATION

Location: KEY #36, LEA COUNTY, NEW MEXICO
Lease: SHELTON Well: #26 - 6H, 5-1/2" CASING

Job Number: MD0605GW168

Run Date: 6/11/2005 2:54:44 AM

Surveyor: MATT SHIPP

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 33.079970 deg. N Longitude: 103.177150 deg. W

Azimuth Correction:

Gyro: -0.63000 deg West to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

PLATINUM EXPLORATION

Location: KEY #36, LEA COUNTY, NEW MEXICO

Lease: SHELTON Well: #26 - 6H, 5-1/2" CASING

Job Number: MD0605GW168

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.00	0.00	0.0 0.0	0.00 N 0.00 E
0 - 12444 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 5-1/2" CASING ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO KEY #36 R.K.B. ORIGINAL R.K.B. MEASURES 8 FEET FROM GROUND LEVEL.						
200.00	0.28	64.21	0.14	200.00	0.5 64.2	0.21 N 0.44 E
400.00	0.67	95.24	0.23	399.99	2.1 81.2	0.32 N 2.05 E
600.00	0.42	86.55	0.13	599.98	4.0 86.3	0.26 N 3.95 E
800.00	0.20	113.99	0.13	799.98	5.0 88.2	0.16 N 5.00 E
1000.00	0.19	164.50	0.08	999.98	5.4 93.2	0.30 S 5.41 E
1200.00	0.23	163.89	0.02	1199.98	5.7 100.0	0.99 S 5.61 E
1400.00	0.23	175.76	0.02	1399.98	6.0 107.0	1.76 S 5.75 E
1600.00	0.12	96.04	0.12	1599.98	6.4 110.0	2.18 S 5.98 E
1800.00	0.49	49.33	0.21	1799.97	7.0 103.5	1.64 S 6.84 E
2000.00	1.00	15.18	0.33	1999.96	8.0 85.6	0.61 N 7.95 E
2200.00	1.15	10.63	0.09	2199.92	9.8 64.0	4.27 N 8.78 E
2400.00	0.71	37.05	0.30	2399.89	12.3 53.8	7.24 N 9.90 E
2600.00	0.78	36.16	0.04	2599.88	14.8 50.8	9.33 N 11.45 E
2800.00	0.43	40.21	0.18	2799.87	16.8 49.2	11.00 N 12.73 E
3000.00	0.24	67.08	0.12	2999.86	17.9 49.2	11.72 N 13.59 E
3200.00	0.32	87.20	0.07	3199.86	18.8 50.7	11.91 N 14.53 E
3400.00	0.40	72.84	0.06	3399.86	19.9 52.4	12.14 N 15.76 E
3600.00	0.59	22.59	0.23	3599.85	21.4 51.7	13.30 N 16.82 E
3800.00	0.63	36.64	0.08	3799.84	23.4 49.7	15.13 N 17.87 E
4000.00	0.57	57.35	0.11	3999.83	25.5 49.5	16.55 N 19.36 E
4200.00	0.55	57.18	0.01	4199.82	27.4 50.0	17.60 N 21.00 E
4400.00	0.44	69.13	0.08	4399.81	29.1 50.8	18.39 N 22.51 E
4600.00	0.56	76.77	0.07	4599.80	30.7 52.0	18.88 N 24.17 E
4800.00	0.56	76.33	0.00	4799.79	32.5 53.4	19.34 N 26.07 E
5000.00	0.49	68.37	0.05	4999.79	34.2 54.4	19.88 N 27.82 E
5200.00	0.26	99.15	0.15	5199.78	35.3 55.3	20.12 N 29.06 E
5400.00	0.05	132.90	0.11	5399.78	35.7 56.0	19.99 N 29.58 E
5600.00	0.15	31.03	0.09	5599.78	36.0 55.9	20.15 N 29.78 E
5800.00	0.19	45.34	0.03	5799.78	36.5 55.6	20.62 N 30.16 E
6000.00	0.05	47.76	0.07	5999.78	37.0 55.5	20.91 N 30.46 E
6200.00	0.12	292.37	0.07	6199.78	36.9 55.2	21.05 N 30.33 E
6400.00	0.09	224.79	0.06	6399.78	36.6 55.0	21.02 N 30.02 E
6600.00	0.09	180.59	0.03	6599.78	36.4 55.2	20.76 N 29.90 E
6800.00	0.29	126.44	0.13	6799.78	36.5 56.2	20.30 N 30.31 E

A Gyrodata Directional Survey

PLATINUM EXPLORATION

Location: KEY #36, LEA COUNTY, NEW MEXICO

Lease: SHELTON Well: #26 - 6H, 5-1/2" CASING

Job Number: MD0605GW168

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
7000.00	0.35	106.85	0.06	6999.77	37.1 57.6	19.83 N 31.30 E
7200.00	0.40	103.27	0.03	7199.77	38.0 59.1	19.49 N 32.57 E
7400.00	0.52	110.56	0.07	7399.76	39.0 60.9	19.01 N 34.10 E
7600.00	0.62	124.03	0.08	7599.75	40.1 63.2	18.09 N 35.84 E
7800.00	0.53	129.76	0.05	7799.74	41.1 65.7	16.89 N 37.45 E
8000.00	0.82	137.36	0.15	7999.73	42.0 68.7	15.24 N 39.14 E
8200.00	0.87	144.13	0.06	8199.71	43.0 72.5	12.95 N 41.01 E
8400.00	0.83	168.98	0.18	8399.69	43.4 76.3	10.30 N 42.17 E
8600.00	1.07	179.64	0.15	8599.66	43.0 80.6	7.02 N 42.46 E
8800.00	1.24	176.11	0.09	8799.62	42.7 86.0	2.99 N 42.62 E
9000.00	1.28	173.89	0.03	8999.57	43.0 91.8	1.38 S 43.00 E
9200.00	1.33	174.07	0.03	9199.52	43.9 97.7	5.90 S 43.48 E
9400.00	1.16	169.74	0.10	9399.47	45.2 103.0	10.20 S 44.08 E
9600.00	0.90	165.16	0.13	9599.44	46.9 107.0	13.71 S 44.84 E
9800.00	0.97	145.01	0.17	9799.41	49.1 109.8	16.63 S 46.22 E
10000.00	0.92	125.63	0.16	9999.39	52.1 111.3	18.95 S 48.49 E
10200.00	1.26	102.63	0.27	10199.35	55.8 111.4	20.36 S 51.94 E
10400.00	1.72	101.10	0.23	10399.28	60.9 110.6	21.42 S 57.02 E
10600.00	1.93	106.70	0.14	10599.18	67.2 110.0	22.96 S 63.19 E
10800.00	1.96	102.84	0.07	10799.07	74.0 109.5	24.69 S 69.74 E
11000.00	1.98	103.67	0.02	10998.95	80.8 109.0	26.27 S 76.44 E
11200.00	2.20	95.81	0.18	11198.81	88.0 108.2	27.47 S 83.62 E
11400.00	1.97	89.31	0.17	11398.68	95.0 107.0	27.82 S 90.87 E
11600.00	2.26	97.55	0.21	11598.55	102.2 106.1	28.30 S 98.21 E
11800.00	2.30	120.23	0.45	11798.39	110.0 106.3	30.83 S 105.57 E
12000.00	3.33	116.93	0.52	11998.15	119.6 107.3	35.48 S 114.21 E
12200.00	3.62	119.18	0.16	12197.78	131.5 108.3	41.18 S 124.89 E
12400.00	3.76	118.65	0.07	12397.37	144.2 109.2	47.40 S 136.15 E
12444.00	4.44	112.10	1.87	12441.26	147.3 109.3	48.73 S 138.99 E

Final Station Closure: Distance: 147.29 ft Az: 109.32 deg.