



30.045-34701

RCVD MAR 24 '09
OIL CONS. DIV.

PGT. 3

Project: San Juan County, NM
Site: Sec 12, T32N, R7W (AU 125S)
Well: Allison Unit 125S
Wellbore: Motherbore



Plan: Plan #3 (Allison Unit 125S/Motherbore)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	600.00	4.24	154.29	599.62	-16.49	7.00	0.00	0.00	-16.52	
2	1071.74	3.00	359.08	1070.99	-19.87	14.39	1.50	-169.74	-19.91	
3	1171.74	3.00	359.08	1170.85	-14.63	14.30	0.00	0.00	-14.68	
4	1371.74	0.00	0.00	1370.76	-9.40	14.21	1.50	180.00	-9.44	
5	1738.93	0.00	0.00	1737.95	-9.40	14.21	0.00	0.00	-9.44	
6	3038.93	65.00	359.08	2776.50	652.15	3.59	5.00	359.08	652.13	
7	3538.43	65.00	359.08	2987.60	1104.79	-3.68	0.00	0.00	1104.79	PBHL (Allison Unit 125S Motherbore Plan)

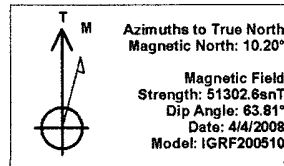
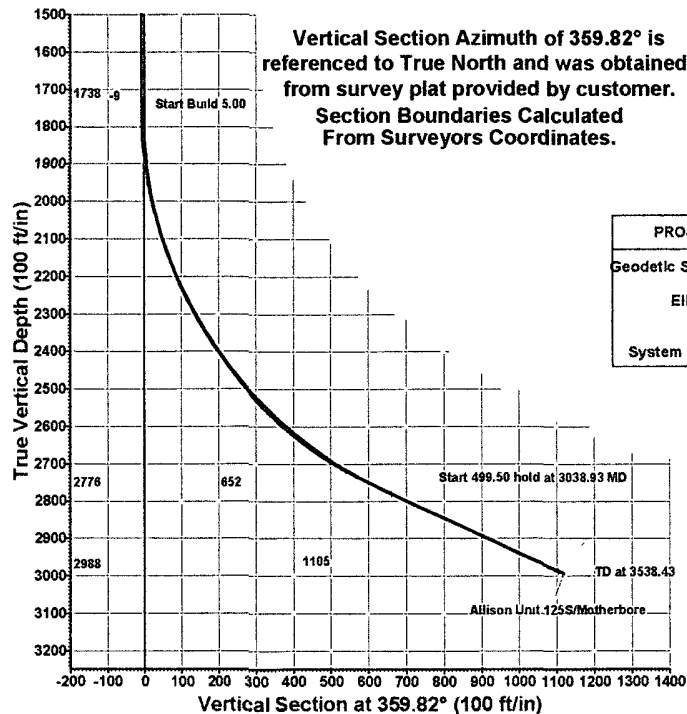
WELL DETAILS: Allison Unit 125S

Ground Elevation: 6348.00
RKB Elevation: WELL @ 6363.00ft (Original Well Elev)
Rig Name: Original Well Elev

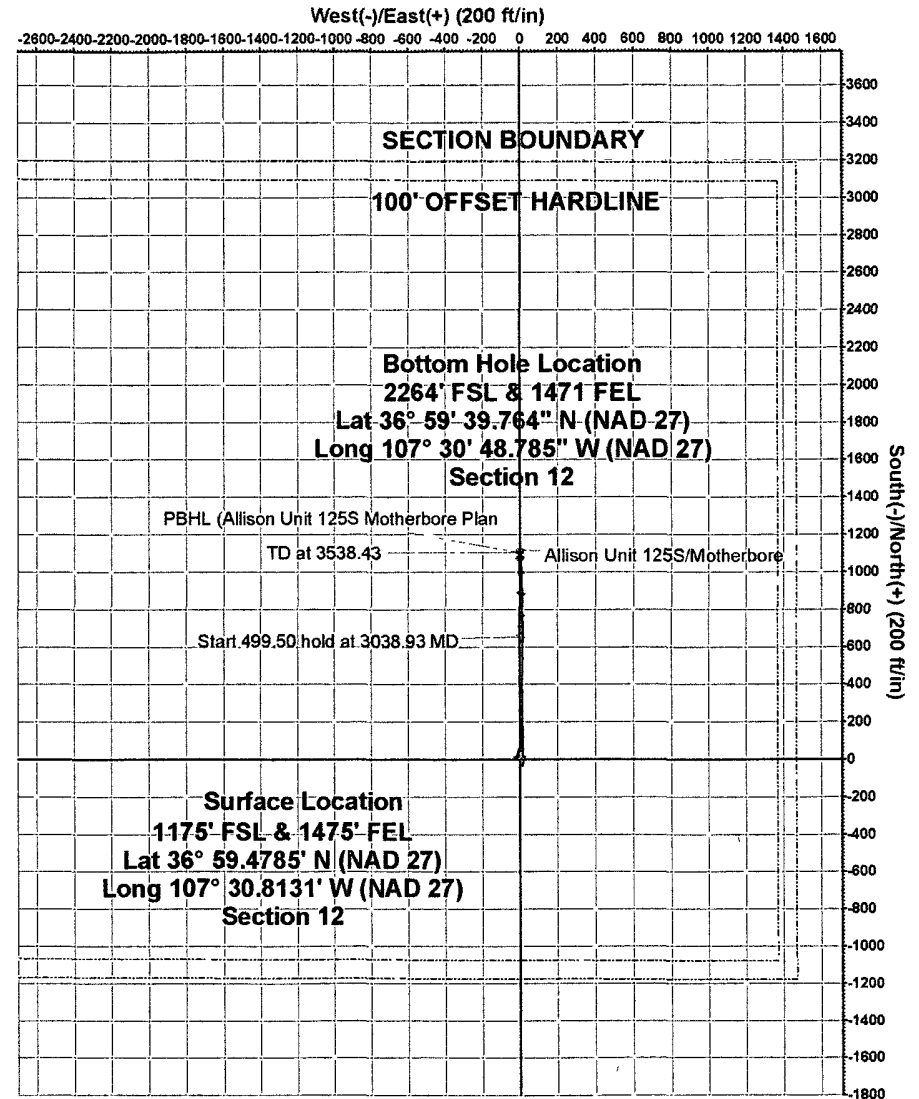
+N-S	+E-W	Northing	Easting	Latitude	Longitude	Spot
0.00	0.00	2180262.20	593391.88	36° 59' 28.71000 N 107° 30' 48.78600 W		

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
LP (Allison Unit 125S Motherbore Plan)	2781.25	660.46	-2.07	2180922.65	593387.59	36° 59' 35.24093 N 107° 30' 48.81158 W		Point
PBHL (Allison Unit 125S Motherbore Plan)	2987.60	1102.98	-3.47	2181365.15	593394.71	36° 59' 39.61685 N 107° 30' 48.82872 W		Point



PROJECT DETAILS: San Juan County, NM
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level



Plan: Plan #3 (Allison Unit 125S/Motherbore)
Created By: Matt Routh Date: 13:45, March 16 2009



Project: San Juan County, NM
Site: Sec 12, T32N, R7W (AU 125S)
Well: Allison Unit 125S
Wellbore: LL
Plan: Plan #3 (Allison Unit 125S/LL)



WELL DETAILS: Allison Unit 125S

Ground Elevation: 6348.00
RKB Elevation: WELL @ 6363.00ft (Original Well Elev)
Rig Name: Original Well Elev

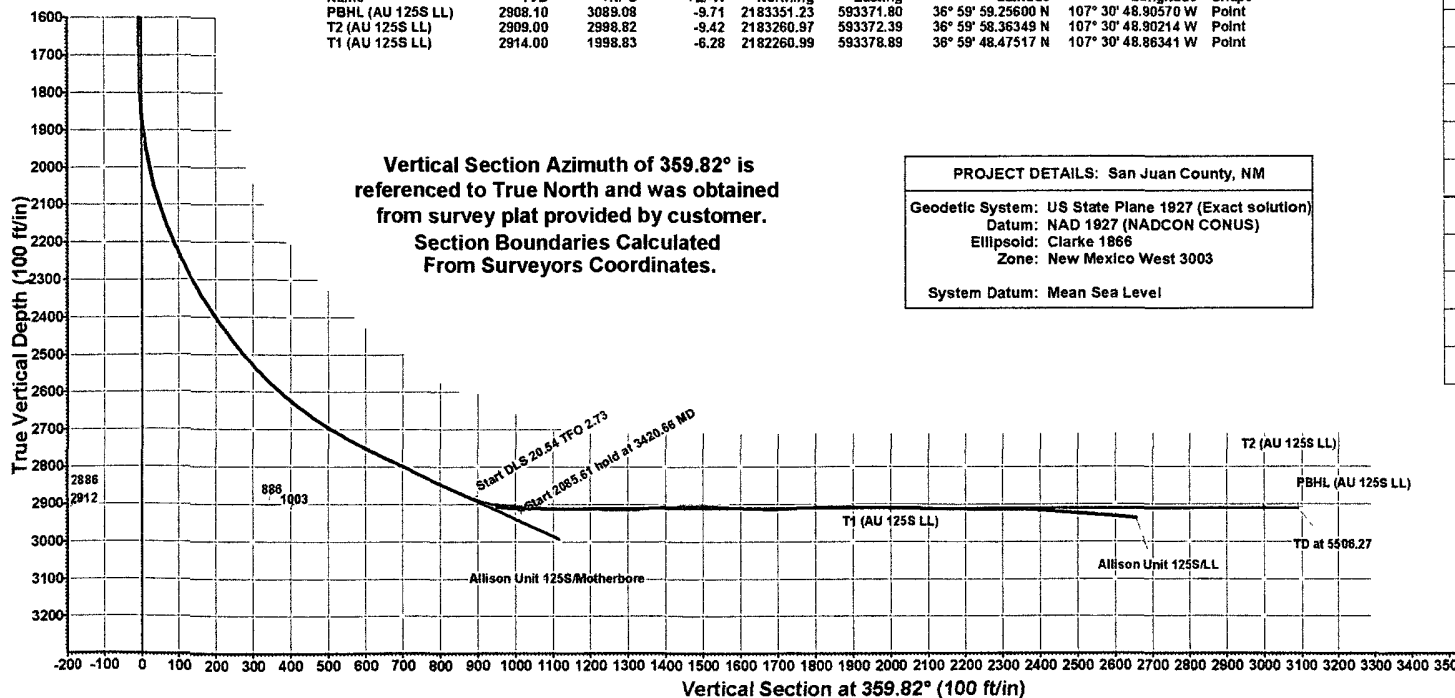
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	2180262.20	593391.88	36° 59' 28.71000 N	107° 30' 48.78600 W	

SECTION DETAILS

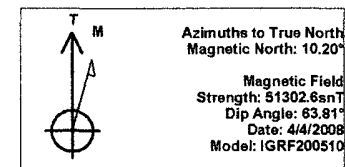
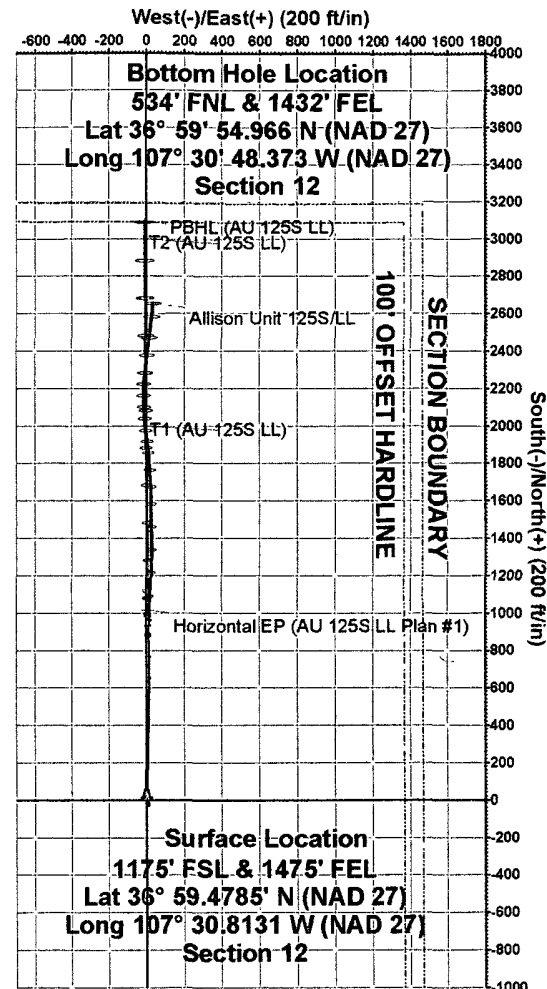
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	3299.00	65.04	358.42	2885.92	885.70	8.14	0.00	0.00	885.67	
2	3420.66	90.00	359.57	2912.00	1003.53	6.13	20.54	2.73	1003.51	
3	5506.27	90.00	358.57	2912.00	3089.08	-9.53	0.00	0.00	3089.10	PBHL (AU 125S LL)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL (AU 125S LL)	2908.10	3089.08	-9.71	2183351.23	593371.80	36° 59' 59.25600 N	107° 30' 48.30570 W	Point
T2 (AU 125S LL)	2909.00	2988.82	-8.42	2183260.97	593372.39	36° 59' 58.36349 N	107° 30' 48.90214 W	Point
T1 (AU 125S LL)	2914.00	1998.83	-6.28	2182260.99	593378.89	36° 59' 48.47517 N	107° 30' 48.86341 W	Point



PROJECT DETAILS: San Juan County, NM
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level



Plan: Plan #3 (Allison Unit 125S/LL)
Created By: Matt Routh Date: 13:54, March 16 2009



Project: San Juan County, NM
 Site: Sec 12, T32N, R7W (AU 125S) **PATHFINDER**
 Well: Allison Unit 125S
 Wellbore: LL ST2
 Plan: Plan #4 (Allison Unit 125S/LL ST2)

WELL DETAILS: Allison Unit 125S

Ground Elevation: 6348.00
 RKB Elevation: WELL @ 6363.00ft (Original Well Elev)
 Rig Name: Original Well Elev

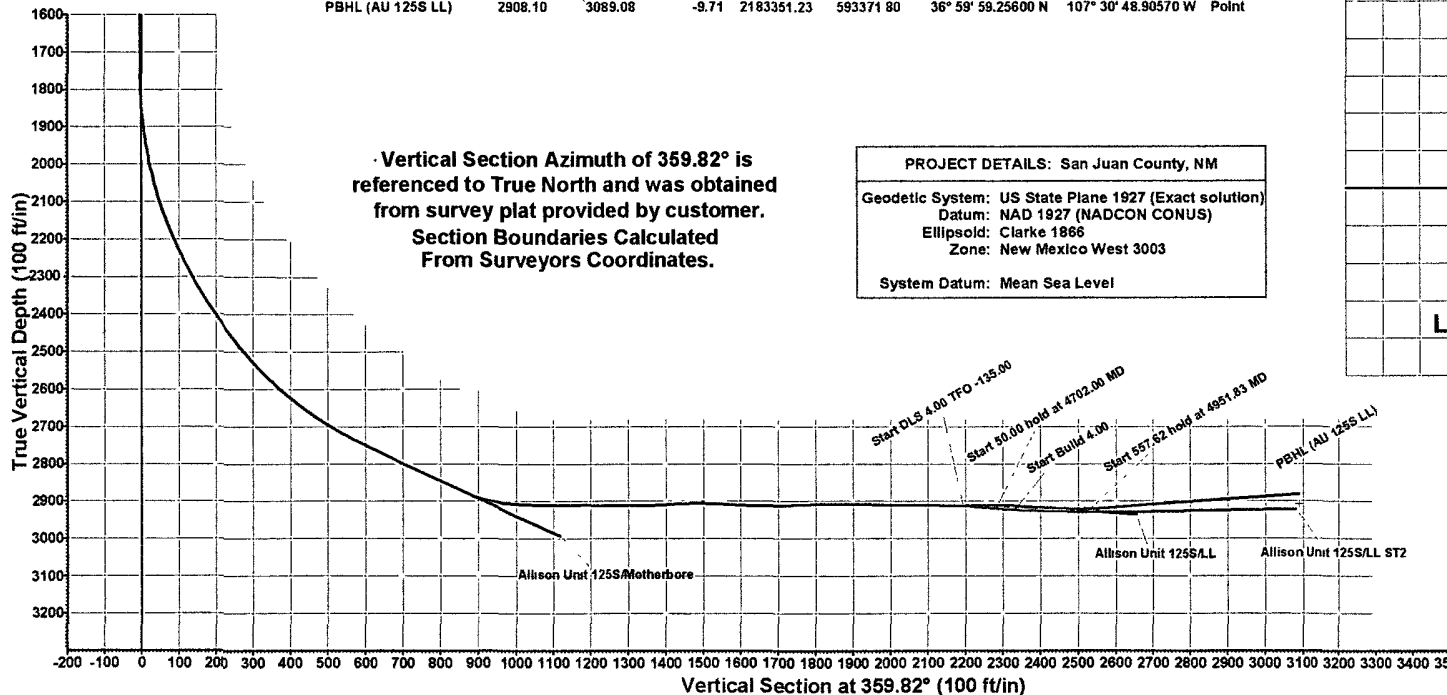
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.00	0.00	2180262.20	593391.88	36° 59' 28.71000 N	107° 30' 48.78600 W	

SECTION DETAILS

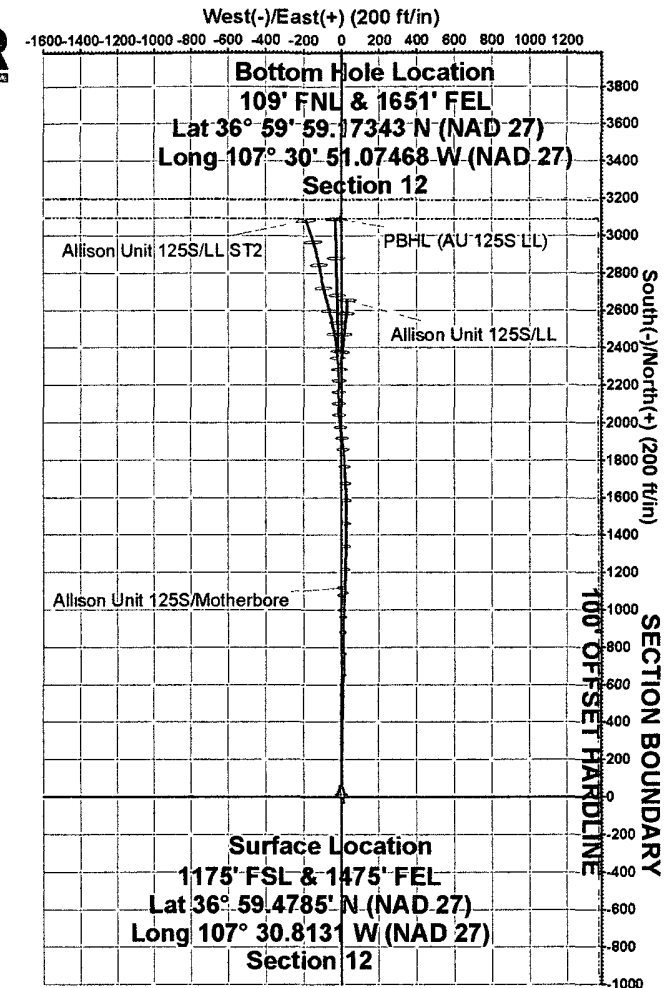
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	4612.00	88.55	1.17	2912.47	2193.55	-12.96	0.00	0.00	2193.58	
2	4702.00	86.01	358.62	2916.75	2283.43	-13.13	4.00	-135.00	2283.46	
3	4752.00	86.01	358.62	2920.23	2333.29	-14.33	0.00	0.00	2333.33	
4	4951.83	94.00	358.62	2920.22	2532.91	-19.14	4.00	0.00	2532.95	
5	5509.45	94.00	358.62	2881.32	3089.01	-32.55	0.00	0.00	3089.10	PBHL (AU 125S LL)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL (AU 125S LL)	2908.10	3089.08	-9.71	2183351.23	593371.80	36° 59' 59.25600 N	107° 30' 48.90570 W	Point



PROJECT DETAILS: San Juan County, NM
 Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico West 3003
 System Datum: Mean Sea Level



Azimuths to True North
 Magnetic North: 10.11°
 Magnetic Field
 Strength: 51185.1 nT
 Dip Angle: 63.79°
 Date: 12/18/2008
 Model: IGRF200510

Plan: Plan #4 (Allison Unit 125S/LL ST2)
 Created By: Matt Routh Date: 14:20, March 16 2009



Project: San Juan County, NM
 Site: Sec 12, T32N, R7W (AU 125S) **PATHFINDER**
 Well: Allison Unit 125S
 Wellbore: UL
 Plan: Plan #4 (Allison Unit 125S/UL)

WELL DETAILS: Allison Unit 125S

Ground Elevation: 6348.00
 RKB Elevation: WELL @ 6363.00ft (Original Well Elev)
 Rig Name: Original Well Elev

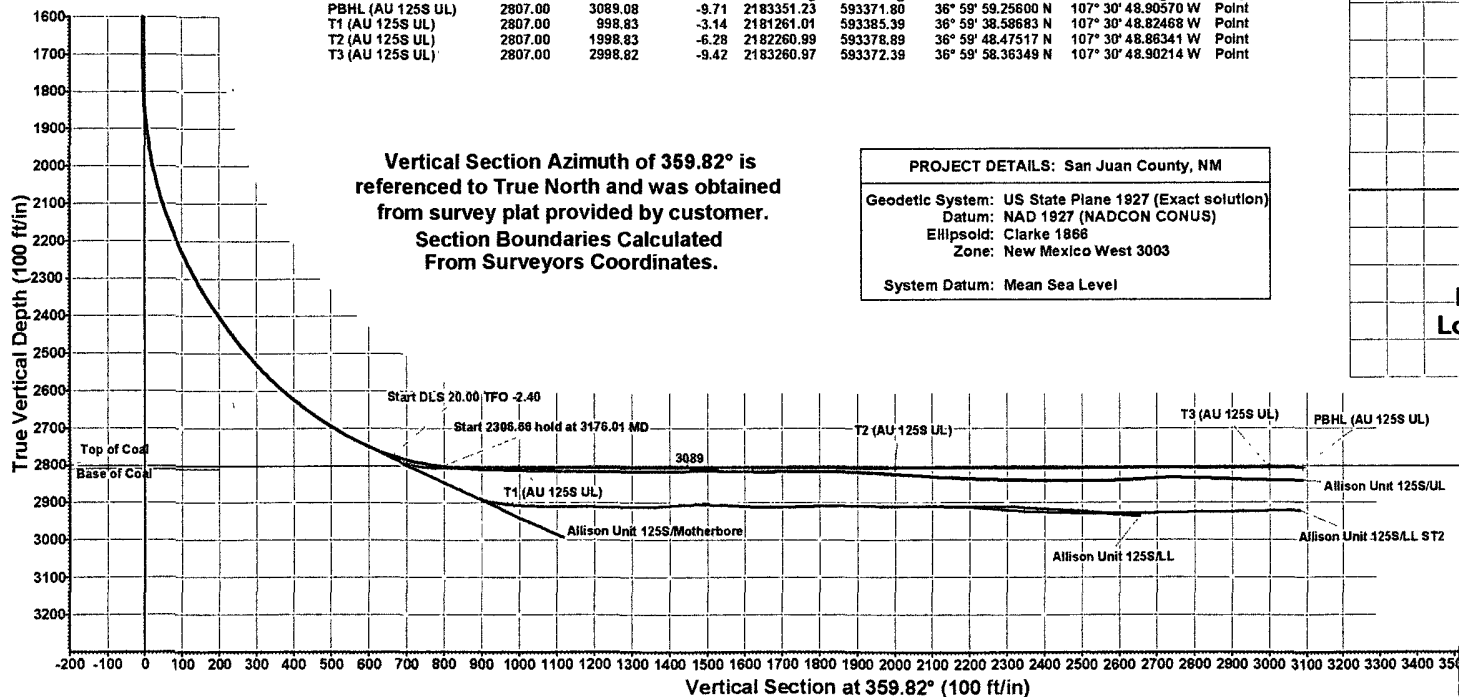
+N-S	+E-W	Northing	Easting	Latitude	Longitude	SLOT
0.00	0.00	2180262.20	593391.88	36° 59' 28.71000 N	107° 30' 48.78600 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLog	TFace	VSec	Target
1	3046.20	64.06	0.55	2778.08	657.09	10.65	0.00	0.00	657.06	
2	3176.01	90.00	359.49	2806.98	782.51	10.64	20.00	-2.40	782.47	
3	5482.67	90.00	359.49	2807.00	3089.08	-9.71	0.00	0.00	3089.10	PBHL (AU 125S UL)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

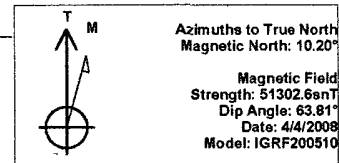
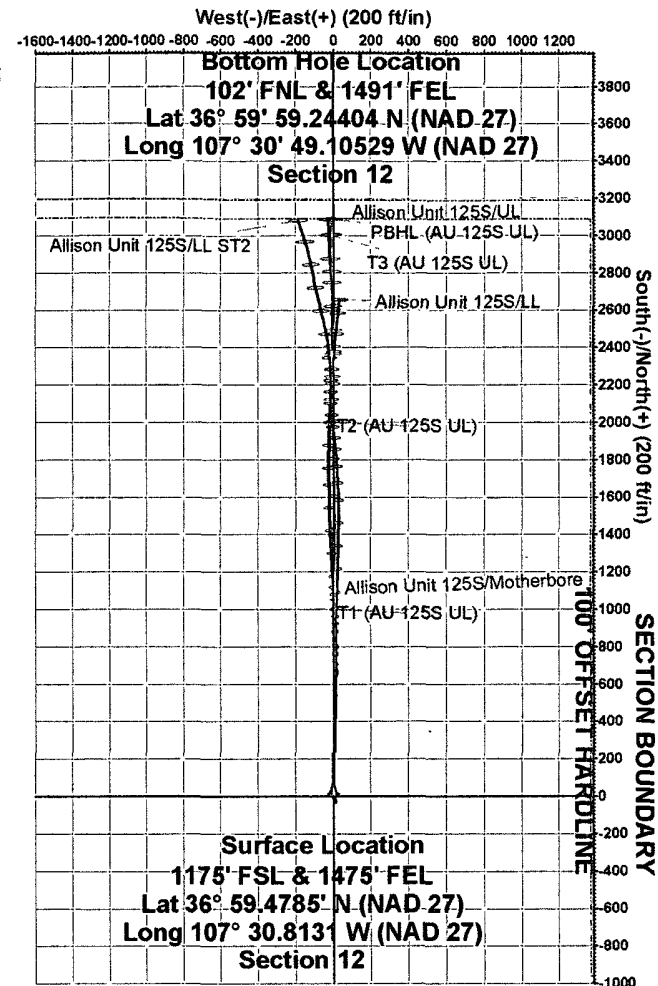
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
PBHL (AU 125S UL)	2807.00	3089.08	-9.71	2183351.23	593371.80	36° 59' 59.25600 N	107° 30' 48.90570 W	Point
T1 (AU 125S UL)	2807.00	998.83	-3.14	2181261.01	593385.39	36° 59' 38.58683 N	107° 30' 48.82488 W	Point
T2 (AU 125S UL)	2807.00	1998.83	-6.28	2182260.99	593378.89	36° 59' 48.47517 N	107° 30' 48.86341 W	Point
T3 (AU 125S UL)	2807.00	2998.82	-9.42	2183260.97	593372.39	36° 59' 58.36349 N	107° 30' 48.90214 W	Point



Vertical Section Azimuth of 359.82° is referenced to True North and was obtained from survey plat provided by customer.
 Section Boundaries Calculated From Surveyors Coordinates.

PROJECT DETAILS: San Juan County, NM

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico West 3003
 System Datum: Mean Sea Level



Plan: Plan #4 (Allison Unit 125S/UL)
 Created By: Matt Routh Date: 14:34, March 16 2009

RCVD MAR 24 '09

OIL CONS. DIV.

DIST. 3

DIRECTIONAL SURVEY REPORT

Abandoned Lateral

A
3/25/09

BURLINGTON RESOURCES OIL & GAS.

ALLISON UNIT #125 S ST01

SAN JUAN COUNTY, NM

PREPARED BY: Tom Schmidt

January 6, 2009

BURLINGTON RESOURCES OIL & GAS COMPANY LP.
Geneva Blackwater
3401 E 30th Street, Farmington 87402

RE: BURLINGTON RESOURCES OIL & GAS COMPANY LP.
ALIISON UNIT #125 S ST01
SAN JUAN COUNTY, NM
RIG: AZTEC 777
API NO: 30-045-34701
PES FILE NO.: 601001296-NM-NM

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was run.

DIRECTIONAL SURVEY DATA

3 – Directional Survey Report Copies

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (505) 324-0357

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Schmidt', with a long horizontal flourish extending to the right.

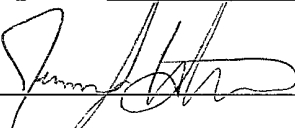
Tom Schmidt
M/LWD Service Coordinator
PathFinder Energy Services

STATE OF New Mexico)
COUNTY OF San Juan)ss.

The preceding instrument was acknowledged before me on

01-12, 2009 by Tom Schmidt.

My Commission Expires: 5-23-2012

Notary Public: 



(seal)

****NOTE:** This Notary Certificate is prepared on a separate page and is to be attached to the Animas Credit Union "Interim Statement".

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) Thomas Billings
B) Paul Foreman
C) Breck Enoch
3. POSITION OF SAID PERSON(S): (A-C) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 12/6/08 TO 12/18/08
5. STATE IN WHICH SURVEY WAS PERFORMED: New Mexico
6. LOCATION OF WELL: San Juan County
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

ALIISON UNIT #125S ST01
SAN JUAN COUNTY, NM
RIG: AZTEC 777
API NO: 30-045-34701

9. SURVEY CERTIFIED FROM: 753 TO 5005 MEASURED DEPTH

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 2656.47 FEET, ON A BEARING OF 0.73 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED DEPTH OF 5078 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



Tom Schmidt
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 12/06/2008
Date Completed: 12/17/2008

BURLINGTON RESOURCES OIL & GAS COMPANY LP
ALLISON UNIT #125S ST01
SAN JUAN COUNTY, NM
Rig: AWS 777
PathFinder Office Supervisor: TOM SCHMIDT
PathFinder Field Engineers: PAUL FOREMAN
THOMAS BILLINGS
BRECK ENOCH

Survey Horiz. Reference: WELLHEAD
Ref Coordinates: LAT: 36.59.28.7100 N LON: 107.30.48.7800 W
GRID Reference: NAD27 new mexico west Transverse Mercator
Ref GRID Coord: X: 593392.3689 Y: 2180262.1982
North Aligned To: TRUE NORTH
Total Magnetic Correction: 10.11° EAST TO TRUE
Vertical Section Plane: 359.82
Survey Vert. Reference: 15.00' Rotary Table To Ground
Altitude: 6348.00' Ground To MSL

Measured Depth	5078.00	(feet)
Inclination	85.38	(deg)
Azimuth	5.25	(deg)
True Vertical Depth	2936.29	(feet)
Vertical Section	2656.14	(feet)
Survey X cord	593426.17	(feet)
Survey Y cord	2182918.45	(feet)
Survey Lat	36.99860411 N	(deg)
Survey Lon	107.51340370 W	(deg)
Rectangular Corr. N/S	2656.26 N	(feet)
Rectangular Corr. E/W	33.80 E	(feet)
Closure Distance	2656.47	(feet)
Direction of Closure	0.73	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS COMPANY LP
ALLISON UNIT #125S ST01
SAN JUAN COUNTY, NM
Rig:AWS 777

PathFinder Office Supervisor: TOM SCHMIDT
PathFinder Field Engineers: PAUL FOREMAN
THOMAS BILLINGS
BRECK ENOCH

Survey Calculations by RX5 V5.11H using Minimum Curvature

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:36.59.28.7100 N LON:107.30.48.7800 W
Reference:NAD27 new mexico west Transverse Mercator
Ref GRID Coord: X: 593392.3689 Y: 2180262.1982
North Aligned To:TRUE NORTH
Total Magnetic Correction:10.11° EAST TO TRUE
Vertical Section Plane: 359.82
Survey Vert. Reference: 15.00' Rotary Table To Ground
Altitude:6348.00' Ground To MSL

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
THE FOLLOWING ARE SCIENTIFIC MULTISHOT SURVEYS.										
100.00	0.79	137.72	100.00	0.00	-0.51	0.51 S	0.46 E	0.68@	137.74	0.00
200.00	0.93	159.66	199.99	100.00	-1.78	1.78 S	1.21 E	2.15@	145.84	0.35
300.00	1.44	157.25	299.97	100.00	-3.70	3.70 S	1.97 E	4.19@	151.90	0.51
400.00	2.07	162.59	399.92	100.00	-6.59	6.58 S	3.00 E	7.23@	155.49	0.65
500.00	2.98	159.09	499.82	100.00	-10.74	10.73 S	4.47 E	11.62@	157.39	0.92
**	TIED INTO SCIENTIFIC MULTISHOT SURVEY AT 600'MD.									
600.00	4.24	154.29	599.62	100.00	-16.51	16.49 S	7.00 E	17.91@	157.00	1.29
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
753.00	3.25	158.60	752.29	153.00	-25.66	25.62 S	11.04 E	27.90@	156.70	0.67
816.00	1.23	159.83	815.24	63.00	-27.96	27.92 S	11.92 E	30.36@	156.88	3.21
879.00	0.18	237.76	878.24	63.00	-28.65	28.61 S	12.07 E	31.05@	157.12	1.91
943.00	1.49	338.80	942.23	64.00	-27.92	27.89 S	11.68 E	30.24@	157.27	2.40
1007.00	1.85	339.24	1006.20	64.00	-26.18	26.15 S	11.02 E	28.37@	157.15	0.56
1070.00	2.90	347.87	1069.15	63.00	-23.67	23.64 S	10.32 E	25.79@	156.41	1.76
1134.00	3.17	346.63	1133.06	64.00	-20.36	20.33 S	9.57 E	22.47@	154.79	0.43
1198.00	3.08	344.34	1196.96	64.00	-16.98	16.95 S	8.70 E	19.06@	152.84	0.24
1262.00	3.08	345.98	1260.87	64.00	-13.66	13.63 S	7.82 E	15.71@	150.16	0.14
1325.00	2.20	355.87	1323.80	63.00	-10.81	10.78 S	7.32 E	13.03@	145.82	1.57
1389.00	1.06	358.20	1387.77	64.00	-8.99	8.97 S	7.21 E	11.51@	141.18	1.78
1453.00	0.88	2.67	1451.77	64.00	-7.91	7.88 S	7.22 E	10.69@	137.52	0.31
1517.00	0.79	7.20	1515.76	64.00	-6.98	6.95 S	7.30 E	10.08@	133.62	0.17
1581.00	0.53	0.27	1579.75	64.00	-6.24	6.22 S	7.35 E	9.63@	130.23	0.42
1644.00	0.53	3.25	1642.75	63.00	-5.66	5.64 S	7.37 E	9.28@	127.41	0.04
1708.00	0.44	351.01	1706.75	64.00	-5.12	5.10 S	7.35 E	8.95@	124.76	0.21

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS COMPANY LP
ALLISON UNIT #125S ST01
SAN JUAN COUNTY, NM
RIG:AWS 777

Page 02/04

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
1772.00	0.97	356.15	1770.74	64.00	-4.34	4.32 S	7.28 E	8.46@	120.69	0.83
1835.00	3.96	359.06	1833.68	63.00	-1.63	1.61 S	7.20 E	7.38@	102.59	4.75
1867.00	5.72	355.58	1865.56	32.00	1.06	1.09 N	7.06 E	7.15@	81.26	5.57
1899.00	7.03	352.19	1897.36	32.00	4.59	4.62 N	6.67 E	8.11@	55.33	4.26
1931.00	8.62	354.04	1929.07	32.00	8.92	8.94 N	6.16 E	10.86@	34.56	5.03
1962.00	10.20	353.24	1959.65	31.00	13.96	13.98 N	5.59 E	15.06@	21.81	5.11
1995.00	11.70	354.58	1992.05	33.00	20.20	20.21 N	4.93 E	20.80@	13.72	4.61
2027.00	13.19	353.60	2023.29	32.00	27.06	27.07 N	4.22 E	27.40@	8.86	4.70
2091.00	16.97	357.15	2085.08	64.00	43.65	43.66 N	2.94 E	43.76@	3.85	6.08
2155.00	20.84	358.70	2145.62	64.00	64.37	64.38 N	2.22 E	64.42@	1.97	6.10
2218.00	23.83	359.75	2203.88	63.00	88.31	88.31 N	1.91 E	88.33@	1.24	4.79
2282.00	26.64	0.39	2261.77	64.00	115.59	115.60 N	1.95 E	115.61@	0.97	4.41
2345.00	30.16	1.19	2317.18	63.00	145.54	145.55 N	2.38 E	145.57@	0.93	5.62
2409.00	33.33	0.50	2371.60	64.00	179.21	179.22 N	2.86 E	179.24@	0.92	4.99
2472.00	36.14	0.22	2423.37	63.00	215.10	215.11 N	3.09 E	215.13@	0.82	4.47
2535.00	38.25	1.99	2473.55	63.00	253.17	253.18 N	3.83 E	253.21@	0.87	3.75
2595.00	41.33	0.75	2519.65	60.00	291.55	291.56 N	4.74 E	291.60@	0.93	5.30
2659.00	45.81	0.93	2566.01	64.00	335.64	335.66 N	5.39 E	335.70@	0.92	7.00
2722.00	49.51	1.37	2608.43	63.00	382.19	382.21 N	6.33 E	382.26@	0.95	5.90
2786.00	53.11	0.30	2648.43	64.00	432.12	432.15 N	7.04 E	432.20@	0.93	5.77
2850.00	56.63	0.38	2685.25	64.00	484.45	484.48 N	7.35 E	484.54@	0.87	5.50
2913.00	60.67	1.50	2718.03	63.00	538.23	538.26 N	8.25 E	538.33@	0.88	6.59
2977.00	63.93	1.31	2747.77	64.00	594.87	594.90 N	9.64 E	594.98@	0.93	5.10
3041.00	64.10	0.64	2775.81	64.00	652.39	652.42 N	10.62 E	652.51@	0.93	0.98
3104.00	63.58	359.51	2803.59	63.00	708.93	708.97 N	10.69 E	709.05@	0.86	1.81
3168.00	65.42	359.32	2831.14	64.00	766.69	766.73 N	10.10 E	766.80@	0.75	2.89
3232.00	65.33	359.27	2857.81	64.00	824.87	824.90 N	9.38 E	824.96@	0.65	0.16
INTERPOLATED SURVEY TO TOP OF WHIPSTOCK AT 3292'MD										
3292.00	65.09	358.49	2882.97	60.00	879.33	879.36 N	8.32 E	879.40@	0.54	1.25
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
3362.00	83.10	3.73	2902.08	70.00	946.33	946.37 N	9.76 E	946.42@	0.59	26.71

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 ALLISON UNIT #125S ST01
 SAN JUAN COUNTY, NM
 RIG:AWS 777

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist (ft)	Dir (deg)	DLS (dg/100ft)
3378.00	85.56	3.70	2903.66	16.00	962.21	962.25 N	10.79 E	962.31@	0.64	15.38
3443.00	85.56	3.05	2908.69	65.00	1026.89	1026.95 N	14.60 E	1027.05@	0.81	1.00
3507.00	89.34	2.85	2911.54	64.00	1090.72	1090.79 N	17.89 E	1090.93@	0.94	5.91
3572.00	91.01	2.38	2911.34	65.00	1155.64	1155.72 N	20.86 E	1155.90@	1.03	2.67
3633.00	87.76	2.26	2912.00	61.00	1216.57	1216.65 N	23.33 E	1216.88@	1.10	5.33
3694.00	89.60	2.01	2913.40	61.00	1277.51	1277.59 N	25.60 E	1277.85@	1.15	3.04
3756.00	92.68	359.81	2912.17	62.00	1339.47	1339.56 N	26.58 E	1339.82@	1.14	6.10
3818.00	93.47	359.03	2908.84	62.00	1401.38	1401.47 N	25.96 E	1401.71@	1.06	1.79
3879.00	91.10	359.63	2906.41	61.00	1462.32	1462.41 N	25.24 E	1462.63@	0.99	4.01
3940.00	88.02	0.07	2906.88	61.00	1523.31	1523.40 N	25.09 E	1523.61@	0.94	5.10
4001.00	86.17	0.49	2909.97	61.00	1584.23	1584.32 N	25.38 E	1584.52@	0.92	3.11
4061.00	88.99	358.04	2912.50	60.00	1644.16	1644.25 N	24.61 E	1644.43@	0.86	6.22
4092.00	89.96	357.18	2912.79	31.00	1675.14	1675.22 N	23.32 E	1675.38@	0.80	4.18
4122.00	91.36	356.59	2912.44	30.00	1705.10	1705.17 N	21.69 E	1705.31@	0.73	5.06
4182.00	92.86	356.55	2910.23	60.00	1764.96	1765.02 N	18.10 E	1765.12@	0.59	2.50
4243.00	90.04	355.57	2908.69	61.00	1825.80	1825.85 N	13.91 E	1825.91@	0.44	4.89
4274.00	90.04	354.30	2908.67	31.00	1856.69	1856.73 N	11.18 E	1856.77@	0.34	4.10
4304.00	88.72	354.44	2908.99	30.00	1886.55	1886.58 N	8.23 E	1886.60@	0.25	4.43
4335.00	88.99	353.84	2909.61	31.00	1917.39	1917.42 N	5.07 E	1917.42@	0.15	2.12
4366.00	89.25	353.82	2910.09	31.00	1948.22	1948.23 N	1.74 E	1948.23@	0.05	0.84
4393.00	89.60	353.76	2910.36	27.00	1975.07	1975.07 N	1.18 W	1975.07@	359.97	1.32
4427.00	89.87	354.06	2910.52	34.00	2008.89	2008.88 N	4.79 W	2008.89@	359.86	1.19
4458.00	90.13	355.04	2910.52	31.00	2039.75	2039.74 N	7.73 W	2039.75@	359.78	3.27
4489.00	89.08	355.79	2910.73	31.00	2070.66	2070.64 N	10.21 W	2070.66@	359.72	4.16
4520.00	89.08	357.65	2911.23	31.00	2101.61	2101.58 N	11.99 W	2101.62@	359.67	6.00
4550.00	89.16	358.88	2911.69	30.00	2131.60	2131.57 N	12.89 W	2131.60@	359.65	4.11
4581.00	89.69	359.87	2912.00	31.00	2162.59	2162.56 N	13.23 W	2162.60@	359.65	3.62
4612.00	88.55	1.17	2912.48	31.00	2193.59	2193.56 N	12.95 W	2193.59@	359.66	5.58
4643.00	90.31	3.34	2912.78	31.00	2224.55	2224.53 N	11.73 W	2224.56@	359.70	9.01
4674.00	89.60	5.25	2912.81	31.00	2255.46	2255.44 N	9.41 W	2255.46@	359.76	6.57

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
4702.00	90.57	7.10	2912.77	28.00	2283.28	2283.27 N	6.40 W	2283.28@	359.84	7.46
4733.00	88.99	7.31	2912.89	31.00	2314.02	2314.03 N	2.51 W	2314.03@	359.94	5.14
4765.00	87.49	6.86	2913.87	32.00	2345.75	2345.77 N	1.43 E	2345.77@	0.04	4.89
4797.00	86.61	6.70	2915.52	32.00	2377.47	2377.50 N	5.21 E	2377.51@	0.13	2.79
4828.00	86.44	6.16	2917.40	31.00	2408.21	2408.25 N	8.67 E	2408.27@	0.21	1.82
4892.00	85.65	6.34	2921.81	64.00	2471.66	2471.72 N	15.62 E	2471.77@	0.36	1.27
4956.00	85.74	5.87	2926.61	64.00	2535.09	2535.17 N	22.41 E	2535.27@	0.51	0.75
5005.00	85.38	5.25	2930.41	49.00	2583.70	2583.80 N	27.14 E	2583.94@	0.60	1.46
STRAIGHT LINE PROJECTION TO BIT DEPTH AT 5078'MD.										
5078.00	85.38	5.25	2936.29	73.00	2656.14	2656.26 N	33.80 E	2656.47@	0.73	0.00

** The survey data at tie-in point was furnished by a recognized survey company and entered as submitted. Survey stations above the tie-in point represent recalculated data by PathFinder Energy Services, Inc. and may reflect minor changes due to rounding differences between survey programs. Only survey stations taken by qualified PathFinder personnel are subject to certification.