

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RCVD OCT 11 2009

☐ AMENDED REPORT
OIL CONS. DIV.
DIST. 3

"AS DRILLED PLAT"
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34962	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 18606	⁵ Property Name REESE MESA	⁶ Well Number 104 S
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6784'

¹⁰ Surface Location

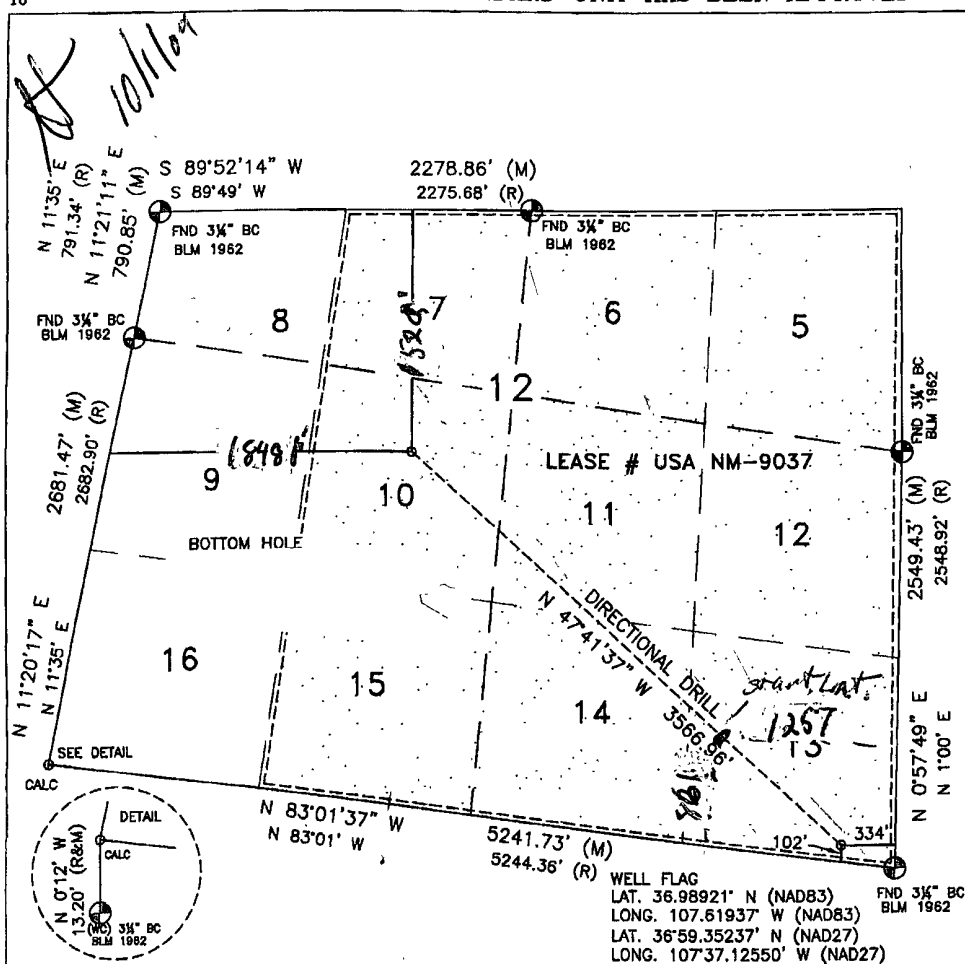
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	32N	8W	13	102'	SOUTH	334'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	12	32N	8W	10	1570	NORTH	1848	WEST	SAN JUAN
¹² Dedicated Acres 322.34 Acres - Lot 5-7 & 10-15			¹³ Joint or Infill		¹⁴ Consolidation Code 15-1		¹⁵ Order No. R-9055 Tract 7, 2009 0777		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 9/30/09
Signature Date

Crystal Tafoya 9-30-09
Printed Name

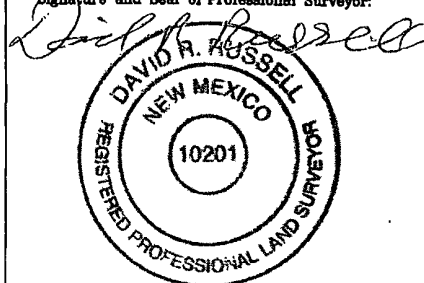
¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 17, 2008

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

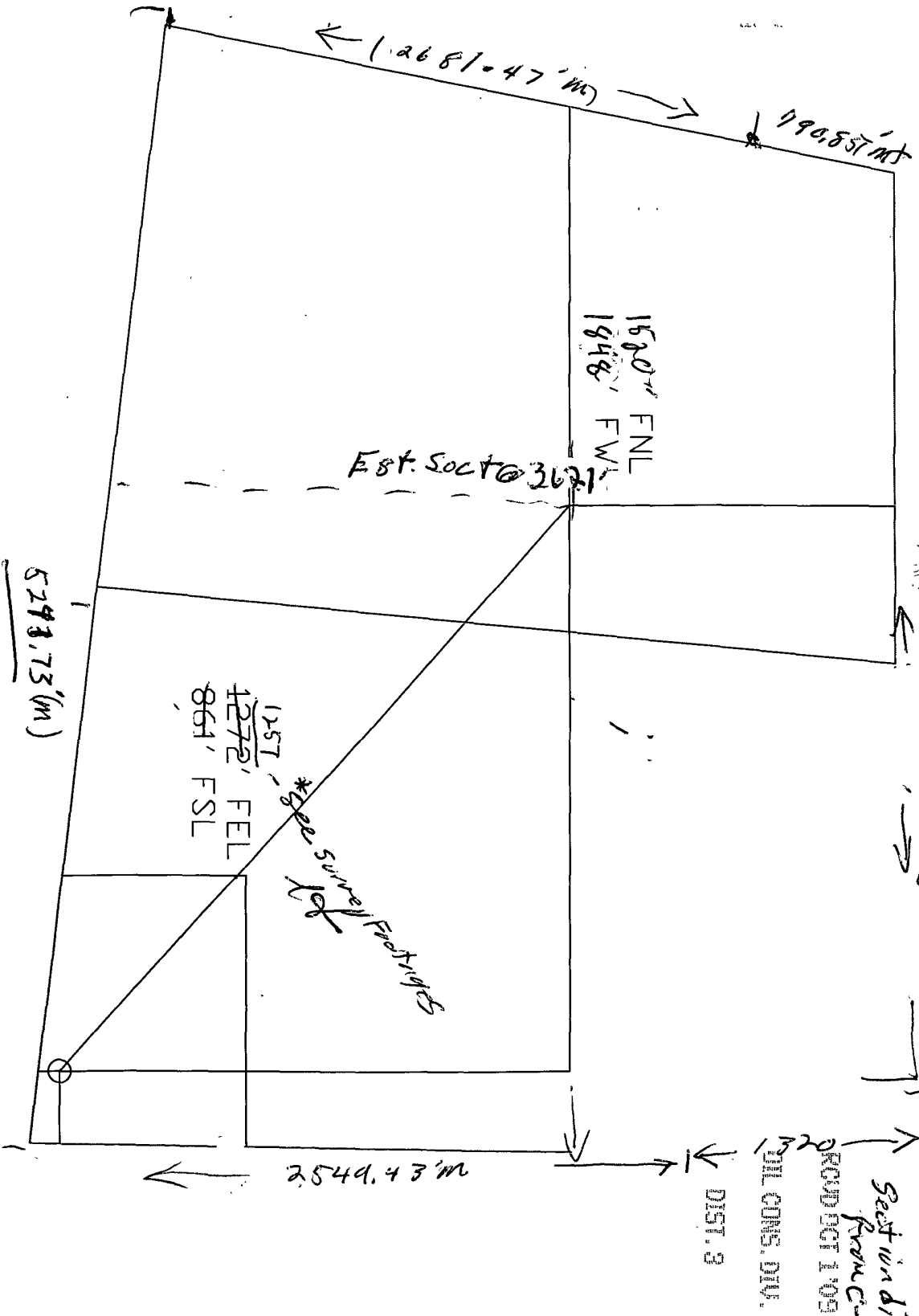
Certificate Number

10201

Reese Mesa #1045 - API - 30-045-34 962

Surf. Unit P, 102' FSL + 334' FEL
 Start of Production, Unit P, 974' FSL + 1357' FEL
 Bottomhole - Unit K, 1137' FNL + 1101' FWL

Sec. 12, T32N, R8W





Project: San Juan County, NM
Site: Sec 12, T32N, R8W - Reese Mesa
Well: Reese Mesa 104S
Wellbore: Lateral #1
Plan: Plan #2 (Reese Mesa 104S/Lateral #1)

30-045-34962

PATHFINDER

WELL DETAILS: Reese Mesa 104S

Ground Elevation: 6784.00
RKB Elevation: WELL @ 6799.00ft (Original Well Elev)
Rig Name: Original Well Elev

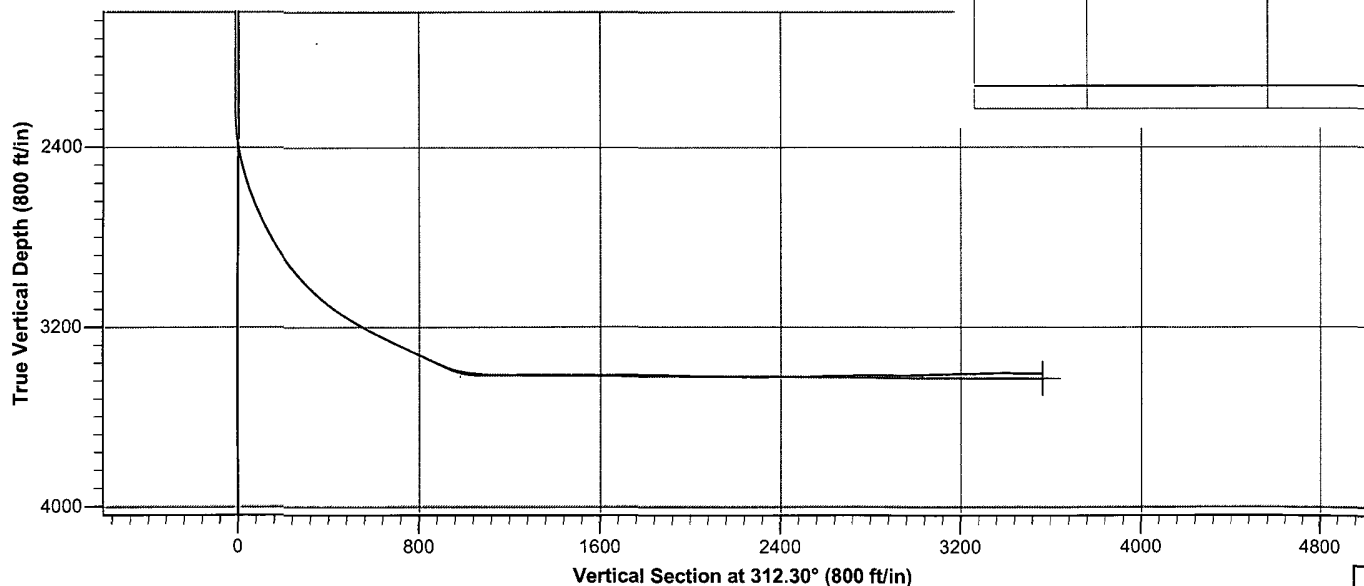
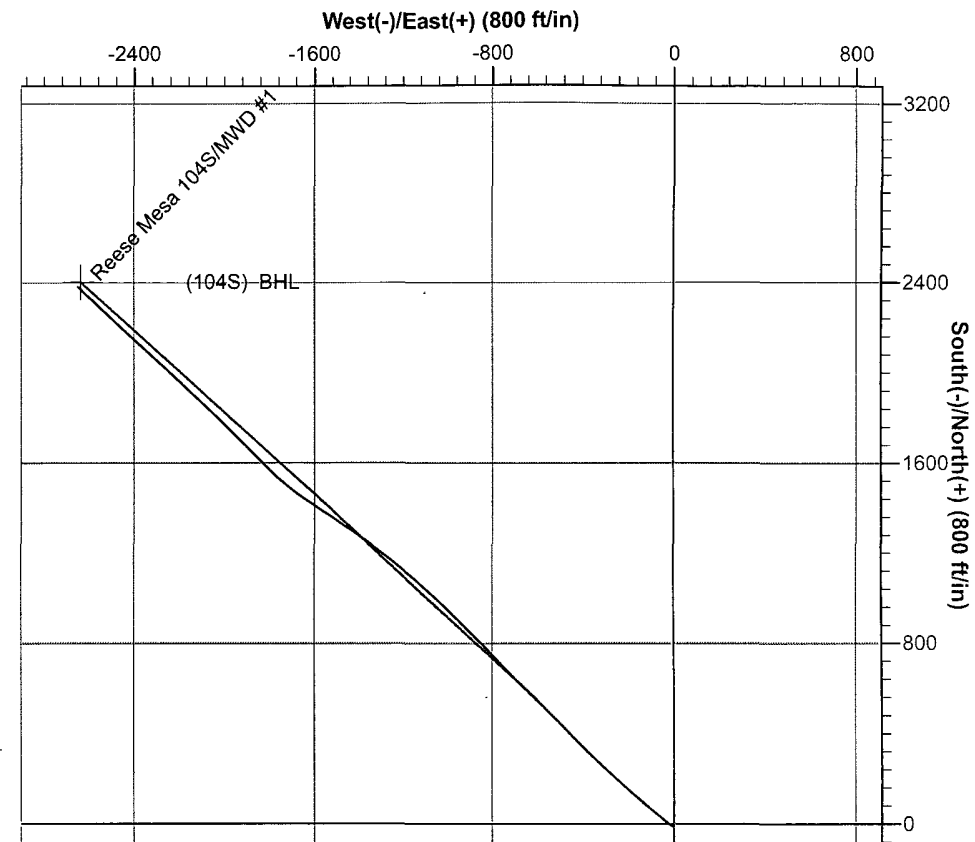
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	2179410.670	562668.070	36° 59' 21.142 N	107° 37' 7.530 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	3829.75	64.51	312.54	3387.21	631.80	-684.93	0.00	0.00	931.80	
2	3955.60	89.68	312.26	3415.09	713.84	-774.80	20.00	-0.68	1053.49	
3	6467.57	89.68	312.26	3429.00	2402.99	-2633.99	0.00	0.00	3565.43	(104S) BHL

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
(104S) BHL	3429.00	2402.99	-2633.99	2181807.720	560028.670	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
Magnetic Model: IGRF200510
System Datum: Mean Sea Level
Local North:

TRVD OCT 1 '09
OIL CONS. DIV.

DIST. 3

Plan: Plan #2 (Reese Mesa 104S/Lateral #1)
Created By: Nate Bingham Date: 10:38, September 28 2009



COP Deviation Report

REESE MESA #104S

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName REESE MESA #104S	API / UWI 3004534962	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 012-032N-008W-P	N/S Dist (ft) 102.00	N/S Ref FSL	E/W Dist (ft) 334.00	E/W Ref FEL

Survey Data				
Date	MD. (ftKB)	Incl (°)	Method	Survey Company
6/8/2009	169.00	1.00		
6/8/2009	289.00	1.50		
6/14/2009	294.00	0.88	MWD	Pathfinder
6/14/2009	385.00	0.79	MWD	Pathfinder
6/14/2009	477.00	0.79	MWD	Pathfinder
6/14/2009	568.00	0.44	MWD	Pathfinder
6/14/2009	660.00	0.79	MWD	Pathfinder
6/14/2009	751.00	0.62	MWD	Pathfinder
6/14/2009	843.00	0.44	MWD	Pathfinder
6/14/2009	934.00	0.35	MWD	Pathfinder
6/14/2009	1,025.00	0.09	MWD	Pathfinder
6/14/2009	1,117.00	0.18	MWD	Pathfinder
6/14/2009	1,208.00	0.18	MWD	Pathfinder
6/14/2009	1,299.00	0.09	MWD	Pathfinder
6/14/2009	1,394.00	0.18	MWD	Pathfinder
6/14/2009	1,488.00	0.44	MWD	Pathfinder
6/14/2009	1,583.00	0.44	MWD	Pathfinder
6/14/2009	1,678.00	0.26	MWD	Pathfinder
6/14/2009	1,772.00	0.26	MWD	Pathfinder
6/14/2009	1,866.00	0.53	MWD	Pathfinder
6/14/2009	1,960.00	0.70	MWD	Pathfinder
6/14/2009	2,054.00	0.70	MWD	Pathfinder
6/14/2009	2,148.00	0.70	MWD	Pathfinder
6/14/2009	2,179.00	0.62	MWD	Pathfinder
6/14/2009	2,211.00	0.53	MWD	Pathfinder
6/15/2009	2,243.00	0.79	MWD	Pathfinder
6/15/2009	2,274.00	2.02	MWD	Pathfinder
6/15/2009	2,305.00	3.61	MWD	Pathfinder
6/15/2009	2,337.00	5.80	MWD	Pathfinder
6/15/2009	2,368.00	7.74	MWD	Pathfinder
6/15/2009	2,399.00	9.41	MWD	Pathfinder
6/15/2009	2,430.00	11.08	MWD	Pathfinder
6/15/2009	2,462.00	12.57	MWD	Pathfinder
6/15/2009	2,493.00	14.16	MWD	Pathfinder
6/15/2009	2,525.00	15.65	MWD	Pathfinder

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public In and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/15/2009	2,556.00	17.32	MWD	Pathfinder
6/15/2009	2,587.00	18.91	MWD	Pathfinder
6/15/2009	2,619.00	20.49	MWD	Pathfinder
6/15/2009	2,650.00	21.90	MWD	Pathfinder
6/15/2009	2,682.00	23.30	MWD	Pathfinder
6/15/2009	2,713.00	24.18	MWD	Pathfinder
6/15/2009	2,744.00	25.24	MWD	Pathfinder
6/15/2009	2,776.00	26.64	MWD	Pathfinder
6/15/2009	2,807.00	28.23	MWD	Pathfinder
6/15/2009	2,839.00	29.72	MWD	Pathfinder
6/15/2009	2,870.00	31.04	MWD	Pathfinder
6/15/2009	2,901.00	32.10	MWD	Pathfinder
6/16/2009	2,932.00	34.03	MWD	Pathfinder
6/16/2009	2,964.00	36.05	MWD	Pathfinder
6/16/2009	2,995.00	37.99	MWD	Pathfinder
6/16/2009	3,027.00	39.92	MWD	Pathfinder
6/16/2009	3,058.00	42.21	MWD	Pathfinder
6/16/2009	3,089.00	44.14	MWD	Pathfinder
6/16/2009	3,121.00	45.73	MWD	Pathfinder
6/16/2009	3,153.00	46.78	MWD	Pathfinder
6/16/2009	3,184.00	48.36	MWD	Pathfinder
6/17/2009	3,247.00	53.02	MWD	Pathfinder
6/17/2009	3,279.00	55.13	MWD	Pathfinder
6/17/2009	3,310.00	56.45	MWD	Pathfinder
6/17/2009	3,342.00	57.95	MWD	Pathfinder
6/17/2009	3,374.00	59.36	MWD	Pathfinder
6/17/2009	3,405.00	60.67	MWD	Pathfinder
6/17/2009	3,437.00	61.99	MWD	Pathfinder
6/17/2009	3,468.00	63.14	MWD	Pathfinder
6/18/2009	3,500.00	63.84	MWD	Pathfinder
6/18/2009	3,531.00	63.75	MWD	Pathfinder
6/18/2009	3,562.00	64.72	MWD	Pathfinder
6/18/2009	3,594.00	65.51	MWD	Pathfinder
6/18/2009	3,656.00	64.90	MWD	Pathfinder
6/18/2009	3,719.00	64.54	MWD	Pathfinder
6/18/2009	3,750.00	64.46	MWD	Pathfinder
6/24/2009	3,782.00	64.37	MWD	Pathfinder
6/18/2009	3,782.00	64.37	MWD	Pathfinder
6/24/2009	3,803.00	64.25	MWD	Pathfinder

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/18/2009	3,813.00	64.19	MWD	Pathfinder
6/18/2009	3,845.00	64.81	MWD	Pathfinder
6/18/2009	3,877.00	64.90	MWD	Pathfinder
6/24/2009	3,884.00	78.79	MWD	Pathfinder
6/18/2009	3,908.00	64.98	MWD	Pathfinder
6/18/2009	3,939.00	64.90	MWD	Pathfinder
6/18/2009	3,971.00	64.81	MWD	Pathfinder
6/25/2009	3,979.00	86.44	MWD	Pathfinder
6/18/2009	4,002.00	64.81	MWD	Pathfinder
6/25/2009	4,011.00	87.58	MWD	Pathfinder
6/19/2009	4,033.00	64.81	MWD	Pathfinder
6/25/2009	4,043.00	89.25	MWD	Pathfinder
6/19/2009	4,065.00	64.81	MWD	Pathfinder
6/19/2009	4,075.00	64.90	MWD	Pathfinder
6/25/2009	4,075.00	90.04	MWD	Pathfinder
6/25/2009	4,107.00	89.78	MWD	Pathfinder
6/19/2009	4,140.00	64.90	MWD	Pathfinder
6/25/2009	4,171.00	91.10	MWD	Pathfinder
6/25/2009	4,203.00	90.84	MWD	Pathfinder
6/25/2009	4,235.00	90.66	MWD	Pathfinder
6/25/2009	4,268.00	90.31	MWD	Pathfinder
6/25/2009	4,299.00	89.87	MWD	Pathfinder
6/25/2009	4,331.00	89.96	MWD	Pathfinder
6/25/2009	4,362.00	90.13	MWD	Pathfinder
6/25/2009	4,394.00	89.69	MWD	Pathfinder
6/25/2009	4,425.00	89.60	MWD	Pathfinder
6/26/2009	4,455.00	89.52	MWD	Pathfinder
6/26/2009	4,486.00	89.34	MWD	Pathfinder
6/26/2009	4,517.00	89.08	MWD	Pathfinder
6/26/2009	4,547.00	89.08	MWD	Pathfinder
6/26/2009	4,578.00	89.52	MWD	Pathfinder
6/26/2009	4,609.00	89.25	MWD	Pathfinder
6/26/2009	4,639.00	89.16	MWD	Pathfinder
6/26/2009	4,670.00	90.48	MWD	Pathfinder
6/26/2009	4,701.00	90.40	MWD	Pathfinder
6/26/2009	4,731.00	91.36	MWD	Pathfinder
6/26/2009	4,762.00	90.48	MWD	Pathfinder
6/26/2009	4,793.00	89.08	MWD	Pathfinder
6/26/2009	4,823.00	87.49	MWD	Pathfinder

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/26/2009	4,854.00	87.41	MWD	Pathfinder
6/26/2009	4,885.00	88.46	MWD	Pathfinder
6/26/2009	4,916.00	88.11	MWD	Pathfinder
6/26/2009	4,946.00	88.11	MWD	Pathfinder
6/26/2009	4,977.00	88.29	MWD	Pathfinder
6/26/2009	5,008.00	89.52	MWD	Pathfinder
6/26/2009	5,038.00	89.78	MWD	Pathfinder
6/26/2009	5,069.00	89.96	MWD	Pathfinder
6/26/2009	5,100.00	89.52	MWD	Pathfinder
6/26/2009	5,130.00	87.32	MWD	Pathfinder
6/26/2009	5,161.00	88.02	MWD	Pathfinder
6/26/2009	5,192.00	89.16	MWD	Pathfinder
6/26/2009	5,223.00	90.75	MWD	Pathfinder
6/26/2009	5,254.00	90.75	MWD	Pathfinder
6/26/2009	5,285.00	89.96	MWD	Pathfinder
6/26/2009	5,315.00	90.31	MWD	Pathfinder
6/26/2009	5,346.00	91.63	MWD	Pathfinder
6/26/2009	5,377.00	91.28	MWD	Pathfinder
6/26/2009	5,407.00	91.63	MWD	Pathfinder
6/26/2009	5,438.00	91.36	MWD	Pathfinder
6/26/2009	5,468.00	91.19	MWD	Pathfinder
6/26/2009	5,499.00	91.98	MWD	Pathfinder
6/26/2009	5,530.00	91.63	MWD	Pathfinder
6/26/2009	5,560.00	91.45	MWD	Pathfinder
6/27/2009	5,591.00	91.10	MWD	Pathfinder
6/27/2009	5,621.00	90.40	MWD	Pathfinder
6/27/2009	5,653.00	90.22	MWD	Pathfinder
6/27/2009	5,685.00	89.96	MWD	Pathfinder
6/27/2009	5,716.00	90.92	MWD	Pathfinder
6/27/2009	5,748.00	90.48	MWD	Pathfinder
6/27/2009	5,780.00	89.96	MWD	Pathfinder
6/27/2009	5,812.00	90.04	MWD	Pathfinder
6/27/2009	5,843.00	91.28	MWD	Pathfinder
6/27/2009	5,875.00	91.28	MWD	Pathfinder
6/27/2009	5,907.00	91.89	MWD	Pathfinder
6/27/2009	5,939.00	91.71	MWD	Pathfinder
6/27/2009	5,970.00	92.24	MWD	Pathfinder
6/27/2009	6,002.00	91.71	MWD	Pathfinder
6/27/2009	6,034.00	91.54	MWD	Pathfinder

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/27/2009	6,066.00	91.71	MWD	Pathfinder
6/27/2009	6,098.00	91.89	MWD	Pathfinder
6/27/2009	6,130.00	91.28	MWD	Pathfinder
6/27/2009	6,162.00	91.36	MWD	Pathfinder
6/27/2009	6,194.00	91.28	MWD	Pathfinder
6/27/2009	6,226.00	90.84	MWD	Pathfinder
6/27/2009	6,257.00	90.48	MWD	Pathfinder
6/27/2009	6,288.00	90.04	MWD	Pathfinder
6/27/2009	6,320.00	89.69	MWD	Pathfinder
6/27/2009	6,352.00	89.34	MWD	Pathfinder
6/27/2009	6,383.00	90.04	MWD	Pathfinder
6/27/2009	6,394.00	89.69	MWD	Pathfinder
6/27/2009	6,467.00	89.69	MWD	Pathfinder

RCUD OCT 1 '09

OIL CONS. DIV.

DIST. 3

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Alh Galt

Subscribed and sworn to me this Sept. 15, 2009

Capital City Notary
Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2009

RCVD OCT 1 '09
OIL CONS. DIV.

DIST. 3

DIRECTIONAL SURVEY REPORT

BURLINGTON RESOURCES OIL & GAS.
REESE MESA #104 S

SAN JUAN COUNTY, NM

API # 30-045-34962

PREPARED BY: Tom Schmidt

JULY 6, 2009

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

RE: BURLINGTON RESOURCES OIL & GAS COMPANY LP.
REESE MESA #104 S
SAN JUAN COUNTY, NM
RIG: AZTEC 730
API NO: 30-045-34962
PES FILE NO.: 101008370-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

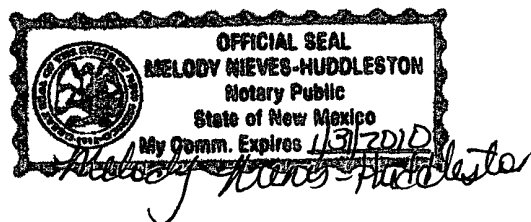
3 – Directional Survey Report Copies

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,



Tom Schmidt
M/LWD Service Coordinator
PathFinder Energy Services



DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) Breck Enoch
B) Tim Stackhouse
3. POSITION OF SAID PERSON(S): (A-B) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 6/14/2009 TO 6/19/2009
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:

REESE MESA #104S
SAN JUAN COUNTY, NM
RIG: AZTEC 730
API NO: 30-045-34962

9. SURVEY CERTIFIED FROM: 294 TO 4075 MEASURED DEPTH

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 1212.62 FEET, ON A BEARING OF 312.39 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED DEPTH OF 4140 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: 06/14/2009
Date Completed: 06/27/2009

BURLINGTON RESOURCES OIL & GAS LP
REESE MESA 104S ST01
SAN JUAN COUNTY, NM
Rig:AZTEC 730
PathFinder Office Supervisor: TOM SCHMIDT
PathFinder Field Engineers:BRECK ENOCH
TIM STACKHOUSE

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:36.59.21.1416 N LON:107.37.7.5288 W
GRID Reference:NAD27 new mexico west Transverse Mercator
Ref GRID Coord: X: 562668.1636 Y: 2179410.6106
North Aligned To:TRUE NORTH
Total Magnetic Correction:10.10°EAST TO TRUE
Vertical Section Plane: 312.30
Survey Vert. Reference: 15.00' Rotary Table To Ground
Altitude:6784.00' Ground To MSL

Measured Depth	6467.00	(feet)
Inclination	89.69	(deg)
Azimuth	313.82	(deg)
True Vertical Depth	3407.07	(feet)
Vertical Section	3559.72	(feet)
Survey X cord	560023.06	(feet)
Survey Y cord	2181792.92	(feet)
Survey Lat	36.99576572 N	(deg)
Survey Lon	107.62779714 W	(deg)
Rectangular Corr. N/S	2382.31 N	(feet)
Rectangular Corr. E/W	2645.10 W	(feet)
Closure Distance	3559.77	(feet)
Direction of Closure	312.01	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS LP
REESE MESA 104S ST01
SAN JUAN COUNTY, NM
Rig:AZTEC 730
PathFinder Office Supervisor: TOM SCHMIDT
PathFinder Field Engineers: BRECK ENOCH
TIM STACKHOUSE

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:36.59.21.1416 N LON:107.37.7.5288 W
Reference:NAD27 new mexico west Transverse Mercator
Ref GRID Coord: X: 562668.1636 Y: 2179410.6106
North Aligned To:TRUE NORTH
Total Magnetic Correction:10.10°EAST TO TRUE
Vertical Section Plane: 312.30
Survey Vert. Reference: 15.00' Rotary Table To Ground
Altitude:6784.00' Ground To MSL

Survey Calculations by RX5 V6.01A using Minimum Curvature

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)
ORIGIN OF WELL AT SURFACE.										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00@	0.00	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
294.00	0.88	142.22	293.99	294.00	-2.22	1.78 S	1.38 E	2.26@	142.22	0.30
385.00	0.79	151.43	384.98	91.00	-3.51	2.89 S	2.11 E	3.58@	143.83	0.18
477.00	0.79	167.67	476.97	92.00	-4.62	4.06 S	2.55 E	4.80@	147.90	0.24
568.00	0.44	161.55	567.96	91.00	-5.44	5.01 S	2.79 E	5.74@	150.84	0.39
660.00	0.79	148.96	659.96	92.00	-6.35	5.89 S	3.23 E	6.72@	151.22	0.41
751.00	0.62	136.14	750.95	91.00	-7.45	6.78 S	3.90 E	7.82@	150.10	0.25
843.00	0.44	160.29	842.95	92.00	-8.25	7.47 S	4.36 E	8.65@	149.72	0.31
934.00	0.35	142.78	933.95	91.00	-8.84	8.02 S	4.65 E	9.27@	149.91	0.16
1025.00	0.09	280.35	1024.95	91.00	-9.05	8.23 S	4.75 E	9.50@	150.03	0.46
1117.00	0.18	278.38	1116.95	92.00	-8.87	8.20 S	4.53 E	9.37@	151.06	0.10
1208.00	0.18	277.25	1207.95	91.00	-8.63	8.16 S	4.25 E	9.20@	152.49	0.00
1299.00	0.09	114.12	1298.95	91.00	-8.58	8.17 S	4.17 E	9.17@	152.94	0.29
1394.00	0.18	254.73	1393.95	95.00	-8.57	8.24 S	4.10 E	9.20@	153.56	0.27
1488.00	0.44	252.67	1487.94	94.00	-8.31	8.38 S	3.61 E	9.13@	156.71	0.28
1583.00	0.44	263.06	1582.94	95.00	-7.89	8.54 S	2.90 E	9.02@	161.24	0.08
1678.00	0.26	242.22	1677.94	95.00	-7.58	8.68 S	2.35 E	8.99@	164.88	0.23
1772.00	0.26	207.85	1771.94	94.00	-7.56	8.97 S	2.06 E	9.20@	167.08	0.16
1866.00	0.53	209.75	1865.94	94.00	-7.71	9.54 S	1.74 E	9.69@	169.65	0.29
1960.00	0.70	210.06	1959.93	94.00	-7.92	10.41 S	1.24 E	10.48@	173.21	0.18
2054.00	0.70	206.88	2053.92	94.00	-8.20	11.42 S	0.69 E	11.44@	176.53	0.04
2148.00	0.70	188.59	2147.92	94.00	-8.67	12.50 S	0.35 E	12.50@	178.41	0.24
2179.00	0.62	151.15	2178.91	31.00	-8.93	12.83 S	0.40 E	12.84@	178.22	1.39
2211.00	0.53	136.90	2210.91	32.00	-9.24	13.09 S	0.58 E	13.11@	177.45	0.53
2243.00	0.79	272.72	2242.91	32.00	-9.22	13.19 S	0.46 E	13.20@	177.98	3.84

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS LP
 REESE MESA 104S ST01
 SAN JUAN COUNTY, NM
 RIG:AZTEC 730

Page 02/06

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)
2274.00	2.02	298.34	2273.90	31.00	-8.53	12.92 S	0.23 W	12.92@	181.02	4.36
2305.00	3.61	300.13	2304.86	31.00	-7.04	12.17 S	1.55 W	12.27@	187.28	5.14
2337.00	5.80	302.47	2336.75	32.00	-4.46	10.80 S	3.79 W	11.44@	199.34	6.87
2368.00	7.74	303.89	2367.54	31.00	-0.85	8.79 S	6.85 W	11.14@	217.90	6.28
2399.00	9.41	305.14	2398.19	31.00	3.73	6.17 S	10.65 W	12.31@	239.92	5.42
2430.00	11.08	306.22	2428.69	31.00	9.20	2.95 S	15.13 W	15.41@	258.96	5.42
2462.00	12.57	308.55	2460.01	32.00	15.73	1.04 N	20.33 W	20.36@	272.92	4.89
2493.00	14.16	309.61	2490.17	31.00	22.89	5.56 N	25.89 W	26.48@	282.11	5.19
2525.00	15.65	310.29	2521.10	32.00	31.11	10.84 N	32.20 W	33.98@	288.61	4.69
2556.00	17.32	309.66	2550.82	31.00	39.90	16.49 N	38.94 W	42.29@	292.95	5.42
2587.00	18.91	309.52	2580.28	31.00	49.53	22.63 N	46.37 W	51.60@	296.02	5.13
2619.00	20.49	310.46	2610.41	32.00	60.31	29.57 N	54.63 W	62.12@	298.42	5.03
2650.00	21.90	311.80	2639.31	31.00	71.51	36.94 N	63.07 W	73.09@	300.36	4.81
2682.00	23.30	311.24	2668.85	32.00	83.81	45.09 N	72.28 W	85.19@	301.96	4.43
2713.00	24.18	310.13	2697.23	31.00	96.28	53.23 N	81.74 W	97.54@	303.07	3.18
2744.00	25.24	309.13	2725.39	31.00	109.23	61.49 N	91.72 W	110.43@	303.84	3.68
2776.00	26.64	308.59	2754.17	32.00	123.20	70.27 N	102.62 W	124.38@	304.40	4.44
2807.00	28.23	309.32	2781.68	31.00	137.46	79.25 N	113.73 W	138.62@	304.87	5.24
2839.00	29.72	310.11	2809.67	32.00	152.94	89.16 N	125.65 W	154.07@	305.36	4.81
2870.00	31.04	311.76	2836.42	31.00	168.61	99.43 N	137.49 W	169.68@	305.87	5.04
2901.00	32.10	312.02	2862.83	31.00	184.84	110.27 N	149.57 W	185.83@	306.40	3.45
2932.00	34.03	312.21	2888.81	31.00	201.75	121.61 N	162.12 W	202.66@	306.88	6.23
2964.00	36.05	312.55	2915.01	32.00	220.13	134.00 N	175.69 W	220.96@	307.33	6.34
2995.00	37.99	312.87	2939.76	31.00	238.79	146.66 N	189.40 W	239.54@	307.75	6.29
3027.00	39.92	312.80	2964.64	32.00	258.91	160.34 N	204.15 W	259.59@	308.14	6.03
3058.00	42.21	312.13	2988.01	31.00	279.27	174.08 N	219.18 W	279.90@	308.46	7.52
3089.00	44.14	311.74	3010.62	31.00	300.48	188.25 N	234.96 W	301.07@	308.70	6.29
3121.00	45.73	312.51	3033.27	32.00	323.08	203.42 N	251.72 W	323.63@	308.94	5.25
3153.00	46.78	312.09	3055.40	32.00	346.20	218.97 N	268.82 W	346.71@	309.17	3.42

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS LP
 REESE MESA 104S ST01
 SAN JUAN COUNTY, NM
 RIG:AZTEC 730

Page 03/06

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)
3184.00	48.36	311.69	3076.31	31.00	369.08	234.25 N	285.85 W	369.57@	309.33	5.18
3247.00	53.02	314.39	3116.22	63.00	417.80	267.53 N	321.43 W	418.20@	309.77	8.10
3279.00	55.13	314.59	3134.99	32.00	443.69	285.69 N	339.92 W	444.03@	310.05	6.61
3310.00	56.45	315.13	3152.42	31.00	469.30	303.77 N	358.09 W	469.58@	310.31	4.50
3342.00	57.95	315.27	3169.75	32.00	496.16	322.86 N	377.04 W	496.39@	310.57	4.70
3374.00	59.36	315.40	3186.40	32.00	523.45	342.30 N	396.25 W	523.63@	310.82	4.42
3405.00	60.67	315.75	3201.89	31.00	550.26	361.47 N	415.05 W	550.39@	311.05	4.34
3437.00	61.99	316.25	3217.24	32.00	578.27	381.67 N	434.55 W	578.36@	311.29	4.35
3468.00	63.14	316.37	3231.53	31.00	605.72	401.56 N	453.55 W	605.78@	311.52	3.73
3500.00	63.84	316.38	3245.81	32.00	634.28	422.29 N	473.31 W	634.31@	311.74	2.19
3531.00	63.75	316.41	3259.50	31.00	662.03	442.43 N	492.49 W	662.04@	311.94	0.30
3562.00	64.72	316.39	3272.97	31.00	689.87	462.65 N	511.75 W	689.88@	312.12	3.13
3594.00	65.51	316.28	3286.44	32.00	718.83	483.65 N	531.79 W	718.83@	312.29	2.49
3656.00	64.90	315.16	3312.44	62.00	775.01	523.95 N	571.08 W	775.02@	312.54	1.91
3719.00	64.54	313.51	3339.34	63.00	831.94	563.76 N	611.83 W	831.96@	312.66	2.44
3750.00	64.46	313.29	3352.69	31.00	859.91	582.98 N	632.16 W	859.93@	312.68	0.69
3782.00	64.37	312.74	3366.51	32.00	888.77	602.67 N	653.26 W	888.80@	312.69	1.58
INTERPOLATED SURVEY TO TOP OF WHIPSTOCK.										
3803.00	64.25	312.61	3375.61	21.00	907.70	615.50 N	667.17 W	907.72@	312.69	0.80
INTERPOLATED AZIMUTHAL SURVEY AT 3884'MD.										
3884.00	78.79	314.63	3401.22	81.00	984.29	668.39 N	722.59 W	984.32@	312.77	18.10
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
3979.00	86.44	316.17	3413.42	95.00	1078.29	735.43 N	788.69 W	1078.37@	313.00	8.21
4011.00	87.58	315.89	3415.09	32.00	1110.18	758.43 N	810.87 W	1110.28@	313.09	3.67
4043.00	89.25	316.40	3415.98	32.00	1142.09	781.49 N	833.03 W	1142.22@	313.17	5.46
4075.00	90.04	315.26	3416.18	32.00	1174.03	804.44 N	855.33 W	1174.19@	313.24	4.33
4107.00	89.78	314.90	3416.23	32.00	1205.99	827.10 N	877.93 W	1206.17@	313.29	1.39
4171.00	91.10	314.91	3415.74	64.00	1269.92	872.28 N	923.25 W	1270.15@	313.37	2.06
4203.00	90.84	314.74	3415.19	32.00	1301.89	894.84 N	945.95 W	1302.13@	313.41	0.97
4235.00	90.66	314.78	3414.78	32.00	1333.86	917.37 N	968.67 W	1334.12@	313.44	0.58

Start
pred

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS LP
 REESE MESA 104S ST01
 SAN JUAN COUNTY, NM
 RIG:AZTEC 730

Page 04/06

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)
4268.00	90.31	314.23	3414.50	33.00	1366.83	940.50 N	992.20 W	1367.11@	313.47	1.98
4299.00	89.87	313.56	3414.45	31.00	1397.82	961.99 N	1014.54 W	1398.11@	313.48	2.59
4331.00	89.96	313.47	3414.49	32.00	1429.81	984.02 N	1037.75 W	1430.11@	313.48	0.40
4362.00	90.13	312.98	3414.47	31.00	1460.81	1005.26 N	1060.33 W	1461.11@	313.47	1.67
4394.00	89.69	312.02	3414.52	32.00	1492.81	1026.87 N	1083.93 W	1493.11@	313.45	3.30
4425.00	89.60	311.63	3414.71	31.00	1523.80	1047.55 N	1107.03 W	1524.09@	313.42	1.29
4455.00	89.52	311.07	3414.94	30.00	1553.80	1067.37 N	1129.55 W	1554.07@	313.38	1.89
4486.00	89.34	310.35	3415.25	31.00	1584.78	1087.58 N	1153.04 W	1585.04@	313.33	2.39
4517.00	89.08	309.61	3415.68	31.00	1615.76	1107.50 N	1176.80 W	1615.98@	313.26	2.53
4547.00	89.08	309.03	3416.16	30.00	1645.71	1126.51 N	1200.00 W	1645.91@	313.19	1.93
4578.00	89.52	309.01	3416.54	31.00	1676.66	1146.02 N	1224.09 W	1676.83@	313.11	1.42
4609.00	89.25	308.09	3416.87	31.00	1707.59	1165.34 N	1248.33 W	1707.73@	313.03	3.09
4639.00	89.16	307.54	3417.29	30.00	1737.50	1183.73 N	1272.02 W	1737.60@	312.94	1.86
4670.00	90.48	307.04	3417.39	31.00	1768.38	1202.51 N	1296.69 W	1768.45@	312.84	4.55
4701.00	90.40	306.45	3417.15	31.00	1799.23	1221.06 N	1321.53 W	1799.28@	312.74	1.92
4731.00	91.36	306.10	3416.69	30.00	1829.06	1238.80 N	1345.71 W	1829.09@	312.63	3.41
4762.00	90.48	304.67	3416.19	31.00	1859.83	1256.75 N	1370.98 W	1859.84@	312.51	5.42
4793.00	89.08	304.74	3416.31	31.00	1890.56	1274.40 N	1396.46 W	1890.56@	312.38	4.52
4823.00	87.49	304.06	3417.21	30.00	1920.26	1291.34 N	1421.20 W	1920.26@	312.26	5.76
4854.00	87.41	303.66	3418.59	31.00	1950.89	1308.60 N	1446.92 W	1950.90@	312.13	1.32
4885.00	88.46	303.51	3419.70	31.00	1981.51	1325.74 N	1472.73 W	1981.54@	311.99	3.42
4916.00	88.11	303.28	3420.63	31.00	2012.12	1342.79 N	1498.60 W	2012.18@	311.86	1.35
4946.00	88.11	302.93	3421.62	30.00	2041.72	1359.17 N	1523.72 W	2041.82@	311.73	1.17
4977.00	88.29	302.75	3422.59	31.00	2072.29	1375.97 N	1549.75 W	2072.44@	311.60	0.82
5008.00	89.52	303.35	3423.19	31.00	2102.88	1392.87 N	1575.73 W	2103.09@	311.48	4.41
5038.00	89.78	303.76	3423.37	30.00	2132.53	1409.45 N	1600.73 W	2132.81@	311.36	1.62
5069.00	89.96	304.45	3423.44	31.00	2163.21	1426.84 N	1626.40 W	2163.57@	311.26	2.30
5100.00	89.52	305.99	3423.58	31.00	2193.97	1444.71 N	1651.72 W	2194.40@	311.18	5.17
5130.00	87.32	307.56	3424.41	30.00	2223.82	1462.66 N	1675.74 W	2224.29@	311.12	9.01

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS LP
 REESE MESA 104S ST01
 SAN JUAN COUNTY, NM
 RIG:AZTEC 730

Page 05/06

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)
5161.00	88.02	308.88	3425.67	31.00	2254.71	1481.83 N	1700.07 W	2255.23@	311.08	4.82
5192.00	89.16	310.04	3426.43	31.00	2285.67	1501.52 N	1724.00 W	2286.21@	311.05	5.25
5223.00	90.75	310.78	3426.45	31.00	2316.65	1521.62 N	1747.60 W	2317.20@	311.05	5.66
5254.00	90.75	312.15	3426.05	31.00	2347.64	1542.14 N	1770.83 W	2348.20@	311.05	4.42
5285.00	89.96	314.09	3425.86	31.00	2378.64	1563.33 N	1793.45 W	2379.18@	311.08	6.76
5315.00	90.31	315.36	3425.79	30.00	2408.61	1584.44 N	1814.77 W	2409.12@	311.12	4.39
5346.00	91.63	316.03	3425.26	31.00	2439.55	1606.62 N	1836.42 W	2440.01@	311.18	4.77
5377.00	91.28	316.16	3424.47	31.00	2470.47	1628.95 N	1857.91 W	2470.89@	311.24	1.20
5407.00	91.63	316.36	3423.71	30.00	2500.39	1650.62 N	1878.64 W	2500.77@	311.30	1.34
5438.00	91.36	315.52	3422.90	31.00	2531.32	1672.89 N	1900.19 W	2531.66@	311.36	2.84
5468.00	91.19	315.10	3422.24	30.00	2561.27	1694.21 N	1921.29 W	2561.58@	311.41	1.51
5499.00	91.98	315.44	3421.38	31.00	2592.21	1716.22 N	1943.10 W	2592.50@	311.45	2.77
5530.00	91.63	315.03	3420.40	31.00	2623.16	1738.22 N	1964.91 W	2623.41@	311.50	1.74
5560.00	91.45	314.83	3419.60	30.00	2653.11	1759.40 N	1986.15 W	2653.35@	311.54	0.90
5591.00	91.10	314.21	3418.91	31.00	2684.08	1781.13 N	2008.24 W	2684.30@	311.57	2.30
5621.00	90.40	313.58	3418.51	30.00	2714.07	1801.93 N	2029.86 W	2714.27@	311.60	3.14
5653.00	90.22	313.21	3418.34	32.00	2746.06	1823.92 N	2053.11 W	2746.26@	311.62	1.29
5685.00	89.96	313.16	3418.29	32.00	2778.06	1845.81 N	2076.44 W	2778.25@	311.63	0.83
5716.00	90.92	313.14	3418.05	31.00	2809.05	1867.01 N	2099.06 W	2809.23@	311.65	3.10
5748.00	90.48	313.40	3417.66	32.00	2841.05	1888.95 N	2122.36 W	2841.22@	311.67	1.60
5780.00	89.96	313.06	3417.54	32.00	2873.04	1910.86 N	2145.67 W	2873.21@	311.69	1.94
5812.00	90.04	313.54	3417.54	32.00	2905.04	1932.81 N	2168.96 W	2905.19@	311.70	1.52
5843.00	91.28	313.38	3417.18	31.00	2936.03	1954.13 N	2191.46 W	2936.18@	311.72	4.03
5875.00	91.28	313.20	3416.47	32.00	2968.02	1976.07 N	2214.75 W	2968.16@	311.74	0.56
5907.00	91.89	314.20	3415.58	32.00	2999.99	1998.17 N	2237.87 W	3000.13@	311.76	3.66
5939.00	91.71	313.35	3414.58	32.00	3031.97	2020.30 N	2260.97 W	3032.09@	311.78	2.71
5970.00	92.24	313.49	3413.51	31.00	3062.94	2041.59 N	2283.47 W	3063.06@	311.80	1.77
6002.00	91.71	313.04	3412.40	32.00	3094.92	2063.51 N	2306.76 W	3095.03@	311.81	2.17
6034.00	91.54	312.19	3411.50	32.00	3126.90	2085.17 N	2330.30 W	3127.01@	311.82	2.71

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS LP
 REESE MESA 104S ST01
 SAN JUAN COUNTY, NM
 RIG:AZTEC 730

Page 06/06

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(dg/100ft)
6066.00	91.71	313.31	3410.59	32.00	3158.89	2106.88 N	2353.79 W	3159.00@	311.83	3.54
6098.00	91.89	312.73	3409.58	32.00	3190.87	2128.70 N	2377.17 W	3190.97@	311.84	1.90
6130.00	91.28	312.51	3408.70	32.00	3222.86	2150.36 N	2400.71 W	3222.96@	311.85	2.03
6162.00	91.36	311.88	3407.96	32.00	3254.85	2171.85 N	2424.41 W	3254.95@	311.85	1.98
6194.00	91.28	312.42	3407.23	32.00	3286.84	2193.32 N	2448.13 W	3286.94@	311.86	1.71
6226.00	90.84	312.82	3406.63	32.00	3318.84	2214.98 N	2471.67 W	3318.93@	311.86	1.86
6257.00	90.48	313.95	3406.28	31.00	3349.83	2236.27 N	2494.20 W	3349.92@	311.88	3.82
6288.00	90.04	314.43	3406.14	31.00	3380.81	2257.88 N	2516.43 W	3380.89@	311.90	2.10
6320.00	89.69	314.27	3406.21	32.00	3412.79	2280.25 N	2539.31 W	3412.86@	311.92	1.20
6352.00	89.34	314.03	3406.48	32.00	3444.77	2302.54 N	2562.27 W	3444.84@	311.94	1.33
6383.00	90.04	314.23	3406.65	31.00	3475.75	2324.12 N	2584.52 W	3475.81@	311.96	2.35
6394.00	89.69	313.82	3406.68	11.00	3486.75	2331.77 N	2592.43 W	3486.81@	311.97	4.90
STRAIGHT LINE PROJECTION TO BIT AT 6467'MD.										
6467.00	89.69	313.82	3407.07	73.00	3559.72	2382.31 N	2645.10 W	3559.77@	312.01	0.00