

DISTRICT I
1825 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

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

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

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

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-35015		Pool Code 72319	Pool Name BLANCO MESAVERDE
Property Code 6804	Property Name ATLANTIC C		Well Number 3 C
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		Elevation 6079'

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	31	31N	10W	20	875'	SOUTH	1180'	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
J	31	31N	10W	14	1640	SOUTH	1928	EAST	SAN JUAN

Dedicated Acres 319.96 ACRES - E/2	Joint or Infill	Consolidation Code	Order No. RCVD APR 13 '10 OIL CONS. DIV.
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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 DIST. 3

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 released 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 4/8/10
Signature Date

Crystal Tafoya 4/8/10

Printed Name

¹⁸ SURVEYOR CERTIFICATION

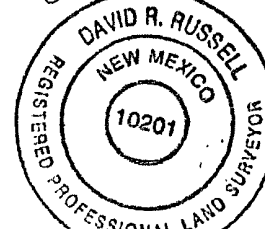
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 20, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

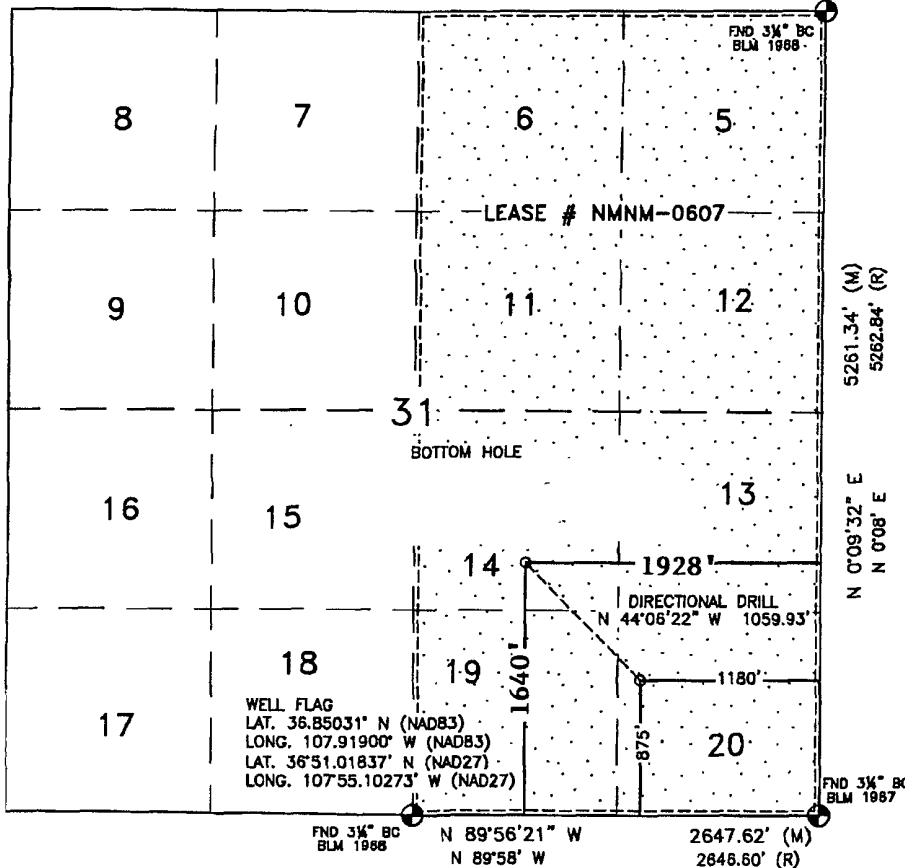
David R. Russell



DAVID RUSSELL

Certificate Number

10201



4-14



COP Deviation Report

ATLANTIC C #3C

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName ATLANTIC C #3C	API / UWI 3004535015	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 031-031N-010W-P	N/S Dist (ft) 875.00	N/S Ref FSL	E/W Dist (ft) 1,180.00	E/W Ref FEL

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
1/15/2010	130.00	0.50	Inc-WL	MOTE
1/15/2010	235.00	0.50	Inc-WL	MOTE
1/27/2010	272.00	0.18	IncAzi-MWD	Pathfinder
1/27/2010	303.00	1.14	IncAzi-MWD	Pathfinder
1/27/2010	396.00	5.19	IncAzi-MWD	Pathfinder
1/27/2010	489.00	7.83	IncAzi-MWD	Pathfinder
1/27/2010	582.00	11.19	IncAzi-MWD	Pathfinder
1/27/2010	675.00	13.89	IncAzi-MWD	Pathfinder
1/28/2010	767.00	16.18	IncAzi-MWD	Pathfinder
1/28/2010	859.00	18.03	IncAzi-MWD	Pathfinder
1/28/2010	951.00	19.87	IncAzi-MWD	Pathfinder
1/28/2010	1,012.00	21.19	IncAzi-MWD	Pathfinder
1/28/2010	1,043.00	22.50	IncAzi-MWD	Pathfinder
1/28/2010	1,074.00	23.22	IncAzi-MWD	Pathfinder
1/28/2010	1,109.00	24.18	IncAzi-MWD	Pathfinder
1/28/2010	1,140.00	25.06	IncAzi-MWD	Pathfinder
1/28/2010	1,203.00	27.35	IncAzi-MWD	Pathfinder
1/28/2010	1,298.00	27.08	IncAzi-MWD	Pathfinder
1/28/2010	1,392.00	26.91	IncAzi-MWD	Pathfinder
1/28/2010	1,487.00	27.00	IncAzi-MWD	Pathfinder
1/28/2010	1,581.00	26.91	IncAzi-MWD	Pathfinder
1/28/2010	1,676.00	27.17	IncAzi-MWD	Pathfinder
1/28/2010	1,771.00	27.61	IncAzi-MWD	Pathfinder
1/28/2010	1,865.00	27.96	IncAzi-MWD	Pathfinder
1/28/2010	1,960.00	28.14	IncAzi-MWD	Pathfinder
1/28/2010	2,149.00	27.70	IncAzi-MWD	Pathfinder
1/28/2010	2,243.00	26.38	IncAzi-MWD	Pathfinder
1/28/2010	2,338.00	24.80	IncAzi-MWD	Pathfinder
1/28/2010	2,433.00	23.74	IncAzi-MWD	Pathfinder
1/28/2010	2,528.00	22.95	IncAzi-MWD	Pathfinder
1/29/2010	2,623.00	22.07	IncAzi-MWD	Pathfinder
1/29/2010	2,717.00	21.63	IncAzi-MWD	Pathfinder
1/29/2010	2,812.00	19.96	IncAzi-MWD	Pathfinder
1/29/2010	2,843.00	19.52	IncAzi-MWD	Pathfinder
1/29/2010	2,874.00	19.08	IncAzi-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
1/29/2010	2,906.00	17.67	IncAzi-MWD	Pathfinder
1/29/2010	2,938.00	16.27	IncAzi-MWD	Pathfinder
1/29/2010	2,969.00	15.12	IncAzi-MWD	Pathfinder
1/29/2010	3,001.00	14.33	IncAzi-MWD	Pathfinder
1/29/2010	3,033.00	13.89	IncAzi-MWD	Pathfinder
1/29/2010	3,064.00	12.75	IncAzi-MWD	Pathfinder
1/29/2010	3,096.00	12.31	IncAzi-MWD	Pathfinder
1/29/2010	3,128.00	11.43	IncAzi-MWD	Pathfinder
1/29/2010	3,159.00	10.64	IncAzi-MWD	Pathfinder
1/29/2010	3,190.00	9.67	IncAzi-MWD	Pathfinder
1/29/2010	3,222.00	8.53	IncAzi-MWD	Pathfinder
1/29/2010	3,253.00	7.30	IncAzi-MWD	Pathfinder
1/29/2010	3,285.00	7.03	IncAzi-MWD	Pathfinder
1/29/2010	3,316.00	6.24	IncAzi-MWD	Pathfinder
1/29/2010	3,348.00	5.80	IncAzi-MWD	Pathfinder
1/29/2010	3,380.00	4.84	IncAzi-MWD	Pathfinder
1/29/2010	3,411.00	3.96	IncAzi-MWD	Pathfinder
1/29/2010	3,443.00	3.61	IncAzi-MWD	Pathfinder
1/29/2010	3,475.00	3.43	IncAzi-MWD	Pathfinder
1/29/2010	3,506.00	3.08	IncAzi-MWD	Pathfinder
1/29/2010	3,601.00	2.55	IncAzi-MWD	Pathfinder
1/29/2010	3,639.00	2.46	IncAzi-MWD	Pathfinder
1/29/2010	3,690.00	2.46	IncAzi-MWD	Pathfinder
2/19/2010	5,592.00	1.00	Inc-WL	PHOENIX

RCVD APR 13 '10

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.

[Signature]

Subscribed and sworn to me this April 9, 2010

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010

RCVD APR 13 '10

OIL CONS. DIV.

DIST. 3

DIRECTIONAL SURVEY REPORT

**BURLINGTON RESOURCES OIL & GAS
COMPANY LP.**

ATLANTIC C #3C

API # 30-045-35015

SAN JUAN COUNTY, NM

PREPARED BY: Tom Schmidt

1/27/2009

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

RE: BURLINGTON RESOURCES OIL & GAS COMPANY LP.
ATLANTIC C#3C
SAN JUAN COUNTY, NM
RIG: AZTEC 711
API NO: 30-045-35015
PES FILE NO.: 601001794-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



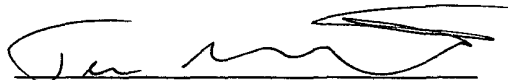
DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) Justin Hawkins
B) Breck Enoch
3. POSITION OF SAID PERSON(S): (A-B) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 1/27/2010 TO 1/29/2010
5. STATE IN WHICH SURVEY WAS PERFORMED: NM
6. LOCATION OF WELL: SAN JUAN COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. ~~COMPLETE IDENTIFICATION OF WELL:~~

ATLANTIC C#3C
SAN JUAN COUNTY, NM
RIG: AZTEC 711
API NO: 30-045-35015

9. SURVEY CERTIFIED FROM: 272 TO 3639 MEASURED DEPTH

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 1069.63 FEET, ON A BEARING OF 315.64 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED DEPTH OF 3690 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



Tom Schmidt
M/LWD SERVICE COORDINATOR



Azimuths to True North
Magnetic North: 10.15°

Magnetic Field
Strength: 51038 OerT
Dip Angle: 63.60°
Date: 01/12/2010
Model: BGGM 2009

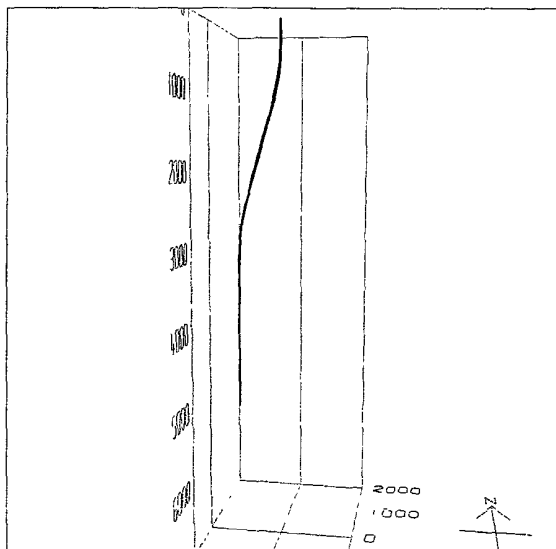
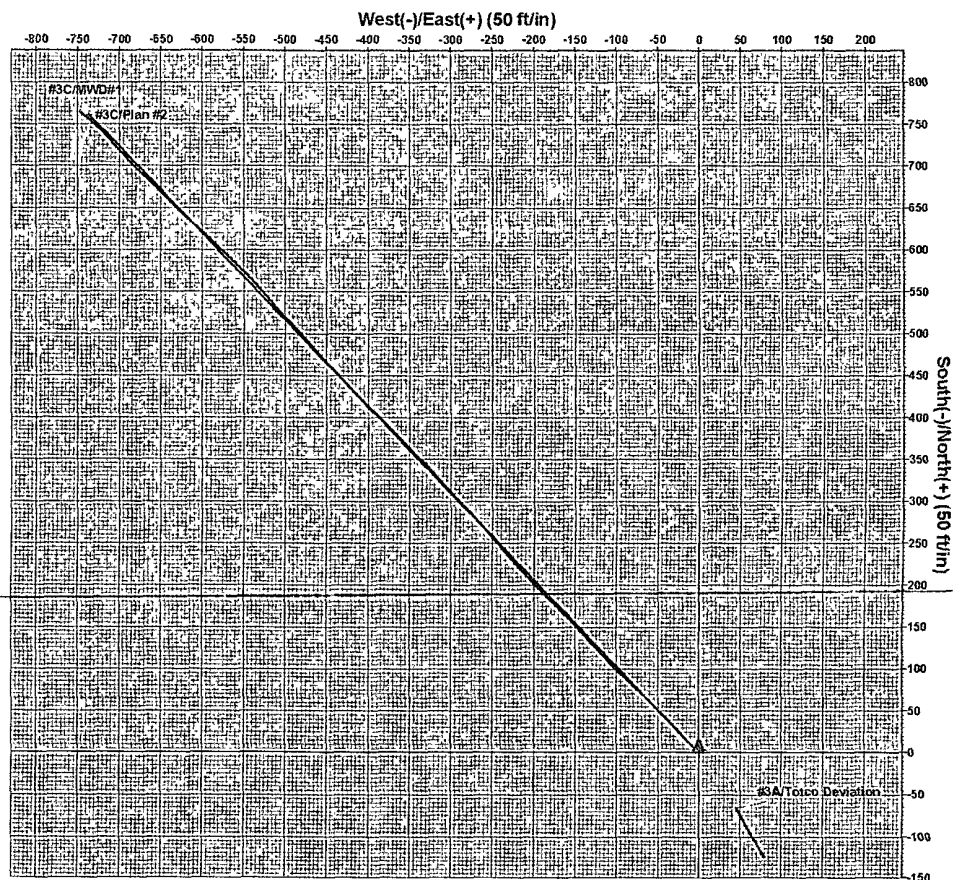
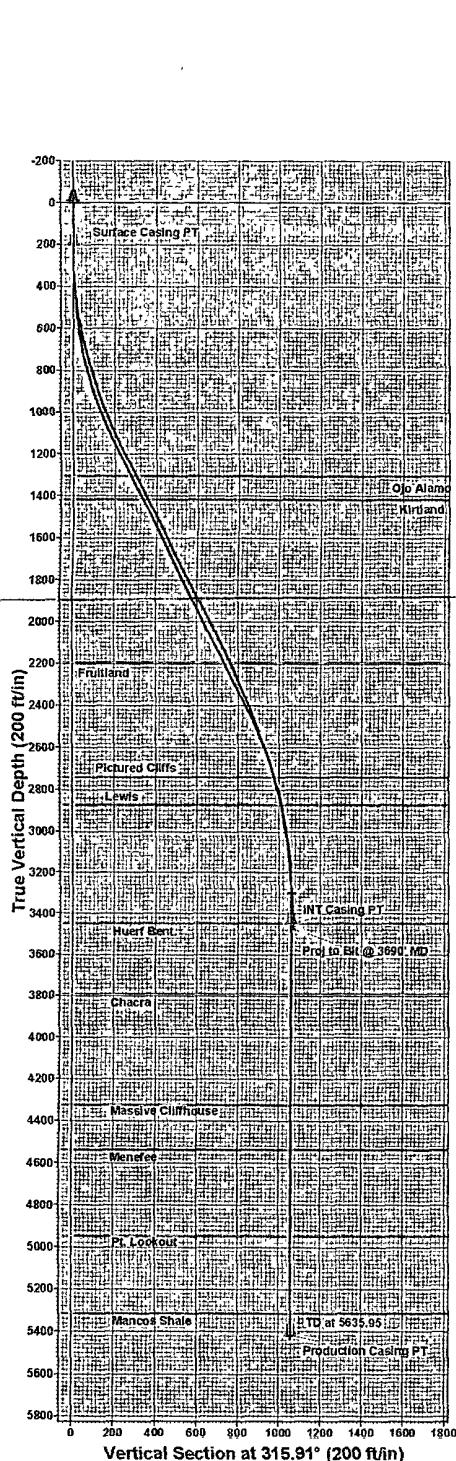
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	1167.93	26.94	315.91	1165.21	148.83	-144.19	3.00	315.91	207.22	
4	2622.02	26.94	315.91	2434.79	612.17	-593.11	0.00	0.00	852.37	
5	3519.95	0.00	0.00	3300.00	761.00	-737.30	3.00	180.00	1059.59	Vertical PT (ATL#3C)
6	5635.95	0.00	0.00	5416.00	761.00	-737.30	0.00	0.00	1059.59	BHL (ATL C #3C) PCP

WELL DETAILS: #3C

Ground Elevation: 6079.00
RKB Elevation: WELL @ 6094.00R (AWS #711)
Rig Name: AWS #711

N/S	E/W	Northing	Eastng	Latitude	Longitude	Slot
0.00	0.00	2128783.844	475116.802	36° 51' 1.102 N	107° 55' 6.164 W	



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
Local North: True

Plan: Plan #2 (#3C/OH)

Created By: Nate Bingham Date: 11.26, February 01 2010

Checked: _____ Date: _____



Pathfinder Energy Services Pathfinder X & Y Survey Report



Company: ConocoPhillips
Project: San Juan County, NM
Site: Atlantic C
Well: #3C
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #3C
TVD Reference: WELL @ 6094.00ft (AWS #711)
MD Reference: WELL @ 6094.00ft (AWS #711)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Project San Juan County, NM

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico West 3003

System Datum: Mean Sea Level

Site Atlantic C

Site Position:
From: Lat/Long
Position Uncertainty: 0.00 ft

Northing:
Easting:
Slot Radius:

2,128,783.844 ft
 475,116.802 ft
 "

Latitude: 36° 51' 1.102 N
Longitude: 107° 55' 6.164 W
Grid Convergence: -0.05 °

Well #3C

Well Position +N/-S 0.00 ft
 +E/-W 0.00 ft
Position Uncertainty 0.00 ft

Northing: 2,128,783.844 ft
Easting: 475,116.802 ft
Wellhead Elevation: ft

Latitude: 36° 51' 1.102 N
Longitude: 107° 55' 6.164 W
Ground Level: 6,079.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM 2009	01/12/2010	10.15	63.60	51,038

Design OH

Audit Notes:

Version: 1 0
Phase: ACTUAL
Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	315.91

Survey Program Date 02/01/2010

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
272.00	3,690.00	MWD#1 (OH)	MWD	MWD - Standard



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company: ConocoPhillips
Project: San Juan County, NM
Site: Atlantic C
Well: #3C
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #3C
TVD Reference: WELL @ 6094.00ft (AWS #711)
MD Reference: WELL @ 6094.00ft (AWS #711)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
0.00	0.00	0.00	0.00	-6,094.00	0.00	0.00	0.00	0.00	2,128,783.84	475,116.80
272.00	0.18	290.99	272.00	-5,822.00	0.15	-0.40	0.39	0.07	2,128,784.00	475,116.40
303.00	1.14	319.84	303.00	-5,791.00	0.41	-0.64	0.74	3.18	2,128,784.25	475,116.16
334.00	2.64	317.22	333.98	-5,760.02	1.17	-1.33	1.76	4.85	2,128,785.01	475,115.48
365.00	3.96	316.80	364.93	-5,729.07	2.47	-2.54	3.54	4.26	2,128,786.32	475,114.26
396.00	5.19	316.55	395.83	-5,698.17	4.27	-4.24	6.02	3.97	2,128,788.12	475,112.56
427.00	6.16	317.96	426.68	-5,667.32	6.52	-6.32	9.08	3.16	2,128,790.37	475,110.49
458.00	6.95	317.76	457.47	-5,636.53	9.15	-8.69	12.62	2.55	2,128,793.00	475,108.12
489.00	7.83	317.07	488.21	-5,605.79	12.08	-11.39	16.60	2.85	2,128,795.93	475,105.42
520.00	9.06	315.65	518.88	-5,575.12	15.37	-14.54	21.16	4.02	2,128,799.23	475,102.28
551.00	10.20	316.33	549.44	-5,544.56	19.10	-18.14	26.34	3.70	2,128,802.96	475,098.68
582.00	11.19	315.92	579.90	-5,514.10	23.25	-22.13	32.09	3.20	2,128,807.11	475,094.70
613.00	11.70	316.61	610.29	-5,483.71	27.69	-26.38	38.25	1.70	2,128,811.56	475,090.45
644.00	12.66	316.63	640.59	-5,453.41	32.45	-30.87	44.79	3.10	2,128,816.32	475,085.96
675.00	13.89	316.49	670.76	-5,423.24	37.62	-35.77	51.90	3.97	2,128,821.49	475,081.07
705.00	15.21	315.44	699.80	-5,394.20	43.03	-41.01	59.44	4.49	2,128,826.91	475,075.83
736.00	16.00	315.05	729.65	-5,364.35	48.95	-46.88	67.78	2.57	2,128,832.84	475,069.97
767.00	16.18	314.05	759.44	-5,334.56	54.98	-53.00	76.37	1.07	2,128,838.87	475,063.85
798.00	16.97	314.38	789.15	-5,304.85	61.15	-59.34	85.21	2.57	2,128,845.04	475,057.52
828.00	17.06	312.65	817.84	-5,276.16	67.19	-65.71	93.98	1.71	2,128,851.09	475,051.16
859.00	18.03	313.99	847.39	-5,246.61	73.60	-72.50	103.31	3.39	2,128,857.51	475,044.37
890.00	18.91	313.46	876.80	-5,217.20	80.39	-79.60	113.13	2.89	2,128,864.31	475,037.27
921.00	19.43	313.45	906.08	-5,187.92	87.39	-86.99	123.30	1.68	2,128,871.31	475,029.89
951.00	19.87	313.51	934.33	-5,159.67	94.33	-94.31	133.37	1.47	2,128,878.26	475,022.58
981.00	20.49	314.77	962.49	-5,131.51	101.54	-101.73	143.72	2.52	2,128,885.48	475,015.16
1,012.00	21.19	315.54	991.46	-5,102.54	109.36	-109.51	154.75	2.42	2,128,893.30	475,007.39
1,043.00	22.25	316.28	1,020.26	-5,073.74	117.60	-117.49	166.22	3.53	2,128,901.55	474,999.42



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company: ConocoPhillips
Project: San Juan County, NM
Site: Atlantic C
Well: #3C
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #3C
TVD Reference: WELL @ 6094.00ft (AWS #711)
MD Reference: WELL @ 6094.00ft (AWS #711)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
1,074.00	23.30	316.91	1,048.84	-5,045.16	126.32	-125.74	178.22	3.48	2,128,910.28	474,991.18
1,109.00	24.18	316.74	1,080.88	-5,013.12	136.60	-135.38	192.31	2.52	2,128,920.56	474,981.55
1,140.00	25.06	317.03	1,109.06	-4,984.94	146.03	-144.20	205.22	2.87	2,128,930.00	474,972.73
1,203.00	27.35	315.01	1,165.58	-4,928.42	166.03	-163.53	233.03	3.90	2,128,950.02	474,953.42
1,298.00	27.08	314.44	1,250.07	-4,843.93	196.60	-194.40	276.47	0.40	2,128,980.62	474,922.58
1,392.00	26.91	318.58	1,333.83	-4,760.17	227.53	-223.75	319.11	2.01	2,129,011.58	474,893.25
1,487.00	27.00	318.78	1,418.51	-4,675.49	259.88	-252.18	362.12	0.13	2,129,043.94	474,864.85
1,581.00	26.91	317.08	1,502.30	-4,591.70	291.50	-280.73	404.70	0.83	2,129,075.60	474,836.33
1,676.00	27.17	317.18	1,586.92	-4,507.08	323.16	-310.11	447.88	0.28	2,129,107.28	474,806.98
1,771.00	27.61	315.10	1,671.27	-4,422.73	354.66	-340.40	491.58	1.11	2,129,138.81	474,776.72
1,865.00	27.96	315.01	1,754.43	-4,339.57	385.67	-371.35	535.39	0.38	2,129,169.85	474,745.80
1,960.00	28.14	314.82	1,838.27	-4,255.73	417.22	-402.99	580.06	0.21	2,129,201.42	474,714.19
2,054.00	27.44	317.00	1,921.43	-4,172.57	448.68	-433.48	623.88	1.31	2,129,232.91	474,683.72
2,149.00	27.70	316.96	2,005.65	-4,088.35	480.83	-463.48	667.84	0.27	2,129,265.08	474,653.75
2,243.00	26.38	316.89	2,089.37	-4,004.63	512.04	-492.66	710.56	1.40	2,129,296.32	474,624.59
2,338.00	24.80	318.41	2,175.05	-3,918.95	542.35	-520.31	751.57	1.80	2,129,326.66	474,596.97
2,433.00	23.74	316.17	2,261.65	-3,832.35	571.05	-546.78	790.60	1.48	2,129,355.38	474,570.53
2,528.00	22.95	312.97	2,348.88	-3,745.12	597.47	-573.58	828.22	1.57	2,129,381.83	474,543.75
2,559.00	22.42	312.27	2,377.48	-3,716.52	605.57	-582.38	840.16	1.92	2,129,389.93	474,534.96
2,591.00	22.25	311.58	2,407.08	-3,686.92	613.70	-591.43	852.29	0.98	2,129,398.06	474,525.92
2,623.00	22.07	311.94	2,436.72	-3,657.28	621.73	-600.43	864.33	0.70	2,129,406.11	474,516.93
2,654.00	22.69	311.74	2,465.38	-3,628.62	629.61	-609.22	876.10	2.02	2,129,413.99	474,508.14
2,685.00	22.42	313.12	2,494.01	-3,599.99	637.63	-618.00	887.97	1.92	2,129,422.02	474,499.37
2,717.00	21.63	313.16	2,523.67	-3,570.33	645.83	-626.76	899.96	2.47	2,129,430.24	474,490.62
2,748.00	20.75	314.29	2,552.58	-3,541.42	653.58	-634.85	911.15	3.13	2,129,437.99	474,482.53
2,780.00	20.40	314.86	2,582.54	-3,511.46	661.47	-642.87	922.40	1.26	2,129,445.88	474,474.53
2,812.00	19.96	314.72	2,612.57	-3,481.43	669.25	-650.70	933.43	1.38	2,129,453.67	474,466.70



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company: ConocoPhillips
Project: San Juan County, NM
Site: Atlantic C
Well: #3C
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #3C
TVD Reference: WELL @ 6094.00ft (AWS #711)
MD Reference: WELL @ 6094.00ft (AWS #711)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
2,843.00	19.52	315.10	2,641.75	-3,452.25	676.64	-658.12	943.90	1.48	2,129,461.07	474,459.29	
2,874.00	19.08	314.40	2,671.01	-3,422.99	683.85	-665.39	954.15	1.60	2,129,468.29	474,452.02	
2,906.00	17.67	315.24	2,701.38	-3,392.62	690.96	-672.55	964.23	4.48	2,129,475.40	474,444.87	
2,938.00	16.27	315.94	2,731.98	-3,362.02	697.63	-679.09	973.57	4.42	2,129,482.08	474,438.34	
2,969.00	15.12	315.32	2,761.83	-3,332.17	703.63	-684.95	981.96	3.75	2,129,488.08	474,432.48	
3,001.00	14.33	314.84	2,792.77	-3,301.23	709.39	-690.69	990.09	2.50	2,129,493.84	474,426.74	
3,033.00	13.89	315.04	2,823.81	-3,270.19	714.90	-696.21	997.89	1.38	2,129,499.36	474,421.23	
3,064.00	12.75	315.41	2,853.97	-3,240.03	719.97	-701.24	1,005.03	3.69	2,129,504.43	474,416.20	
3,096.00	12.31	316.14	2,885.21	-3,208.79	724.94	-706.09	1,011.97	1.46	2,129,509.41	474,411.36	
3,128.00	11.43	319.25	2,916.53	-3,177.47	729.80	-710.52	1,018.55	3.40	2,129,514.28	474,406.93	
3,159.00	10.64	318.25	2,946.95	-3,147.05	734.26	-714.43	1,024.47	2.62	2,129,518.74	474,403.03	
3,190.00	9.67	317.58	2,977.47	-3,116.53	738.32	-718.09	1,029.94	3.15	2,129,522.80	474,399.37	
3,222.00	8.53	316.14	3,009.06	-3,084.94	742.02	-721.55	1,035.00	3.63	2,129,526.50	474,395.91	
3,253.00	7.30	315.54	3,039.77	-3,054.23	745.08	-724.52	1,039.27	3.98	2,129,529.57	474,392.94	
3,285.00	7.03	315.03	3,071.52	-3,022.48	747.92	-727.33	1,043.26	0.87	2,129,532.41	474,390.14	
3,316.00	6.24	312.35	3,102.31	-2,991.69	750.39	-729.92	1,046.83	2.74	2,129,534.89	474,387.55	
3,348.00	5.80	313.67	3,134.13	-2,959.87	752.68	-732.37	1,050.19	1.44	2,129,537.18	474,385.10	
3,380.00	4.84	314.34	3,166.00	-2,928.00	754.74	-734.51	1,053.15	3.01	2,129,539.24	474,382.97	
3,411.00	3.96	309.43	3,196.91	-2,897.09	756.34	-736.27	1,055.52	3.09	2,129,540.83	474,381.21	
3,443.00	3.61	308.13	3,228.84	-2,865.16	757.66	-737.91	1,057.62	1.13	2,129,542.16	474,379.56	
3,475.00	3.43	311.63	3,260.77	-2,833.23	758.92	-739.42	1,059.57	0.88	2,129,543.42	474,378.06	
3,506.00	3.08	307.93	3,291.72	-2,802.28	760.04	-740.77	1,061.32	1.32	2,129,544.55	474,376.71	
3,601.00	2.55	302.21	3,386.61	-2,707.39	762.74	-744.57	1,065.90	0.63	2,129,547.25	474,372.91	
3,639.00	2.46	301.32	3,424.57	-2,669.43	763.61	-745.99	1,067.51	0.26	2,129,548.12	474,371.50	
3,690.00	2.46	301.32	3,475.53	-2,618.47	764.75	-747.86	1,069.63	0.00	2,129,549.26	474,369.63	

Proj to Bit @ 3690' MD



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company: ConocoPhillips
Project: San Juan County, NM
Site: Atlantic C
Well: #3C
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #3C
TVD Reference: WELL @ 6094.00ft (AWS #711)
MD Reference: WELL @ 6094.00ft (AWS #711)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
Vertical PT (ATL#3C)	0.00	0.00	3,300.00	761.00	-737.30	2,129,545.500	474,380.180	36° 51' 8.627 N	107° 55' 15.236 W
- survey misses target center by 3.88ft at 3514.15ft MD (3299.87 TVD, 760.31 N, -741.12 E)									
- Point									

Survey Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
3,690.00	3,475.53	764.75	-747.86	Proj to Bit @ 3690' MD

Checked By: _____ Approved By: _____ Date: _____

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 01/27/2010
Date Completed: 01/29/2010

BURLINGTON RESOURCES OIL & GAS COMPANY LP
ATLANTIC C #3C
SAN JUAN COUNTY, NM
Rig:AWS 711
PathFinder Office Supervisor: TOM SCHMIDT
PathFinder Field Engineers:JUSTIN HAWKINS
BRECK ENOCH

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:36.51.1.1000 N LON:107.55.6.1600 W
GRID Reference:NAD27 new mexico west Transverse Mercator
Ref GRID Coord: X: 475117.1271 Y: 2128783.6409
North Aligned To:TRUE NORTH
Total Magnetic Correction:10.15° EAST TO TRUE
Vertical Section Plane: 315.91
Survey Vert. Reference: 15.00' Rotary Table To Ground
Altitude:6079.00' Ground To MSL

Measured Depth	3690.00	(feet)
Inclination	2.46	(deg)
Azimuth	301.32	(deg)
True Vertical Depth	3475.53	(feet)
Vertical Section	1069.62	(feet)
Survey X cord	474369.28	(feet)
Survey Y cord	2129548.39	(feet)
Survey Lat	36.85240435 N	(deg)
Survey Lon	107.92093616 W	(deg)
Rectangular Corr. N/S	764.74 N	(feet)
Rectangular Corr. E/W	747.85 W	(feet)
Closure Distance	1069.63	(feet)
Direction of Closure	315.64	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS COMPANY LP
ATLANTIC C #3C
SAN JUAN COUNTY, NM
Rig:AWS 711
PathFinder Office Supervisor: TOM SCHMIDT
PathFinder Field Engineers: JUSTIN HAWKINS
BRECK ENOCH

Page 01/03
Tie-in Date: 01/27/2010
Date Completed: 01/29/2010

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:36.51.1.1000 N LON:107.55.6.1600 W
Reference:NAD27 new mexico west Transverse Mercator
Ref GRID Coord: X: 475117.1271 Y: 2128783.6409
North Aligned To:TRUE NORTH
Total Magnetic Correction:10.15° EAST TO TRUE
Vertical Section Plane: 315.91
Survey Vert. Reference: 15.00' Rotary Table To Ground
Altitude:6079.00' Ground To MSL

Survey Calculations by RX5 V6.01D 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
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.								
272.00	0.18	290.99	272.00	272.00	0.39	0.15 N 0.40 W	0.43@ 290.99	0.07
303.00	1.14	319.84	303.00	31.00	0.74	0.41 N 0.64 W	0.76@ 302.27	3.18
334.00	2.64	317.22	333.98	31.00	1.76	1.17 N 1.33 W	1.77@ 311.30	4.85
365.00	3.96	316.80	364.93	31.00	3.54	2.47 N 2.54 W	3.55@ 314.15	4.26
396.00	5.19	316.55	395.83	31.00	6.02	4.27 N 4.24 W	6.02@ 315.18	3.97
427.00	6.16	317.96	426.68	31.00	9.08	6.52 N 6.32 W	9.08@ 315.90	3.16
458.00	6.95	317.76	457.47	31.00	12.62	9.15 N 8.69 W	12.62@ 316.45	2.55
489.00	7.83	317.07	488.21	31.00	16.60	12.08 N 11.39 W	16.61@ 316.68	2.85
520.00	9.06	315.65	518.88	31.00	21.16	15.37 N 14.54 W	21.16@ 316.60	4.02
551.00	10.20	316.33	549.44	31.00	26.34	19.10 N 18.14 W	26.34@ 316.48	3.70
582.00	11.17	315.92	579.90	31.00	32.09	23.25 N 22.12 W	32.09@ 316.42	3.14
613.00	11.70	316.61	610.29	31.00	38.24	27.69 N 26.37 W	38.24@ 316.39	1.77
644.00	12.66	316.63	640.59	31.00	44.78	32.44 N 30.86 W	44.78@ 316.43	3.10
675.00	13.89	316.49	670.76	31.00	51.89	37.61 N 35.76 W	51.90@ 316.44	3.97
705.00	15.21	315.44	699.80	30.00	59.43	43.02 N 41.00 W	59.43@ 316.38	4.49
736.00	16.00	315.05	729.65	31.00	67.77	48.95 N 46.87 W	67.77@ 316.24	2.57
767.00	16.18	314.05	759.44	31.00	76.36	54.97 N 52.99 W	76.36@ 316.05	1.07
798.00	16.97	314.38	789.15	31.00	85.20	61.14 N 59.33 W	85.20@ 315.86	2.57
828.00	17.06	312.65	817.84	30.00	93.97	67.18 N 65.70 W	93.97@ 315.64	1.71
859.00	18.03	313.99	847.40	31.00	103.30	73.60 N 72.49 W	103.30@ 315.43	3.39
890.00	18.91	313.46	876.80	31.00	113.11	80.38 N 79.59 W	113.12@ 315.28	2.89
921.00	19.43	313.45	906.08	31.00	123.28	87.38 N 86.98 W	123.30@ 315.13	1.68

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS COMPANY LP
ATLANTIC C #3C
SAN JUAN COUNTY, NM
RIG:AWS 711

Page 02/03

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)
951.00	19.87	313.51	934.33	30.00	133.36	94.33 N	94.30 W	133.38@	315.01	1.47
981.00	20.49	314.77	962.49	30.00	143.71	101.53 N	101.73 W	143.73@	314.95	2.52
1012.00	21.19	315.54	991.46	31.00	154.73	109.35 N	109.50 W	154.76@	314.96	2.42
1043.00	22.25	316.28	1020.26	31.00	166.21	117.60 N	117.48 W	166.23@	315.03	3.53
1074.00	23.30	316.91	1048.85	31.00	178.21	126.31 N	125.73 W	178.22@	315.13	3.48
1109.00	24.18	316.74	1080.88	35.00	192.29	136.59 N	135.37 W	192.31@	315.26	2.52
1140.00	25.06	317.03	1109.06	31.00	205.21	146.02 N	144.20 W	205.22@	315.36	2.87
1203.00	27.35	315.01	1165.59	63.00	233.02	166.02 N	163.53 W	233.03@	315.43	3.90
1298.00	27.08	314.44	1250.07	95.00	276.46	196.59 N	194.39 W	276.47@	315.32	0.39
1392.00	26.91	318.58	1333.84	94.00	319.10	227.53 N	223.74 W	319.11@	315.48	2.01
1487.00	27.00	318.78	1418.52	95.00	362.11	259.87 N	252.18 W	362.11@	315.86	0.13
1581.00	26.91	317.08	1502.30	94.00	404.69	291.50 N	280.72 W	404.69@	316.08	0.83
1676.00	27.17	317.18	1586.92	95.00	447.87	323.15 N	310.11 W	447.87@	316.18	0.28
1771.00	27.61	315.10	1671.27	95.00	491.57	354.65 N	340.39 W	491.57@	316.18	1.11
1865.00	27.96	315.01	1754.43	94.00	535.38	385.67 N	371.34 W	535.38@	316.08	0.38
1960.00	28.14	314.82	1838.28	95.00	580.05	417.21 N	402.98 W	580.05@	315.99	0.21
2054.00	27.44	317.00	1921.44	94.00	623.86	448.67 N	433.47 W	623.87@	315.99	1.31
2149.00	27.70	316.96	2005.65	95.00	667.83	480.82 N	463.47 W	667.83@	316.05	0.27
2243.00	26.38	316.89	2089.37	94.00	710.55	512.04 N	492.66 W	710.56@	316.11	1.40
2338.00	24.80	318.41	2175.05	95.00	751.56	542.35 N	520.31 W	751.57@	316.19	1.80
2433.00	23.74	316.17	2261.65	95.00	790.59	571.04 N	546.78 W	790.61@	316.24	1.48
2528.00	22.95	312.97	2348.88	95.00	828.21	597.47 N	573.57 W	828.22@	316.17	1.57
2559.00	22.42	312.27	2377.48	31.00	840.15	605.56 N	582.37 W	840.16@	316.12	1.92
2591.00	22.25	311.58	2407.08	32.00	852.28	613.69 N	591.42 W	852.28@	316.06	0.98
2623.00	22.07	311.94	2436.72	32.00	864.32	621.73 N	600.42 W	864.32@	316.00	0.70
2654.00	22.69	311.74	2465.38	31.00	876.09	629.60 N	609.22 W	876.09@	315.94	2.02
2685.00	22.42	313.12	2494.01	31.00	887.96	637.62 N	617.99 W	887.96@	315.90	1.92
2717.00	21.63	313.16	2523.68	32.00	899.95	645.83 N	626.75 W	899.95@	315.86	2.47
2748.00	20.75	314.29	2552.58	31.00	911.14	653.57 N	634.85 W	911.14@	315.83	3.13
2780.00	20.40	314.86	2582.54	32.00	922.39	661.46 N	642.86 W	922.39@	315.82	1.26

PathFinder Energy Services, Inc.

Survey Report

BURLINGTON RESOURCES OIL & GAS COMPANY LP
ATLANTIC C #3C
SAN JUAN COUNTY, NM
RIG:AWS 711

Page 03/03

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)
2812.00	19.96	314.72	2612.57	32.00	933.42	669.24 N	650.69 W	933.42@	315.81	1.38
2843.00	19.52	315.10	2641.75	31.00	943.89	676.63 N	658.11 W	943.89@	315.80	1.48
2874.00	19.08	314.40	2671.01	31.00	954.13	683.84 N	665.38 W	954.14@	315.78	1.60
2906.00	17.67	315.24	2701.38	32.00	964.22	690.95 N	672.54 W	964.22@	315.77	4.48
2938.00	16.27	315.94	2731.98	32.00	973.56	697.62 N	679.08 W	973.56@	315.77	4.42
2969.00	15.12	315.32	2761.83	31.00	981.95	703.62 N	684.94 W	981.95@	315.77	3.75
3001.00	14.33	314.84	2792.78	32.00	990.08	709.38 N	690.68 W	990.08@	315.77	2.50
3033.00	13.89	315.04	2823.81	32.00	997.88	714.89 N	696.21 W	997.88@	315.76	1.38
3064.00	12.75	315.41	2853.98	31.00	1005.02	719.96 N	701.24 W	1005.02@	315.75	3.69
3096.00	12.31	316.14	2885.21	32.00	1011.96	724.93 N	706.08 W	1011.97@	315.75	1.46
3128.00	11.43	319.25	2916.53	32.00	1018.54	729.79 N	710.51 W	1018.54@	315.77	3.40
3159.00	10.64	318.25	2946.96	31.00	1024.46	734.26 N	714.42 W	1024.47@	315.78	2.62
3190.00	9.67	317.58	2977.47	31.00	1029.93	738.31 N	718.09 W	1029.93@	315.80	3.15
3222.00	8.53	316.14	3009.07	32.00	1034.99	742.01 N	721.54 W	1034.99@	315.80	3.63
3253.00	7.30	315.54	3039.77	31.00	1039.25	745.07 N	724.52 W	1039.26@	315.80	3.98
3285.00	7.03	315.03	3071.52	32.00	1043.25	747.91 N	727.32 W	1043.25@	315.80	0.87
3316.00	6.24	312.35	3102.31	31.00	1046.82	750.39 N	729.91 W	1046.83@	315.79	2.74
3348.00	5.80	313.67	3134.14	32.00	1050.18	752.67 N	732.36 W	1050.18@	315.78	1.44
3380.00	4.84	314.34	3166.00	32.00	1053.14	754.73 N	734.50 W	1053.14@	315.78	3.01
3411.00	3.96	309.43	3196.91	31.00	1055.51	756.33 N	736.26 W	1055.51@	315.77	3.09
3443.00	3.61	308.13	3228.84	32.00	1057.61	757.65 N	737.91 W	1057.61@	315.76	1.13
3475.00	3.43	311.63	3260.78	32.00	1059.56	758.91 N	739.42 W	1059.56@	315.75	0.87
3506.00	3.08	307.93	3291.73	31.00	1061.31	760.04 N	740.77 W	1061.32@	315.74	1.32
3601.00	2.55	302.21	3386.61	95.00	1065.89	762.73 N	744.57 W	1065.90@	315.69	0.63
3639.00	2.46	301.32	3424.58	38.00	1067.50	763.61 N	745.98 W	1067.51@	315.67	0.26
STRAIGHT LINE PROJECTION TO BIT AT 3690'MD.										
3690.00	2.46	301.32	3475.53	51.00	1069.62	764.74 N	747.85 W	1069.63@	315.64	0.00

ATLANTIC C #3C

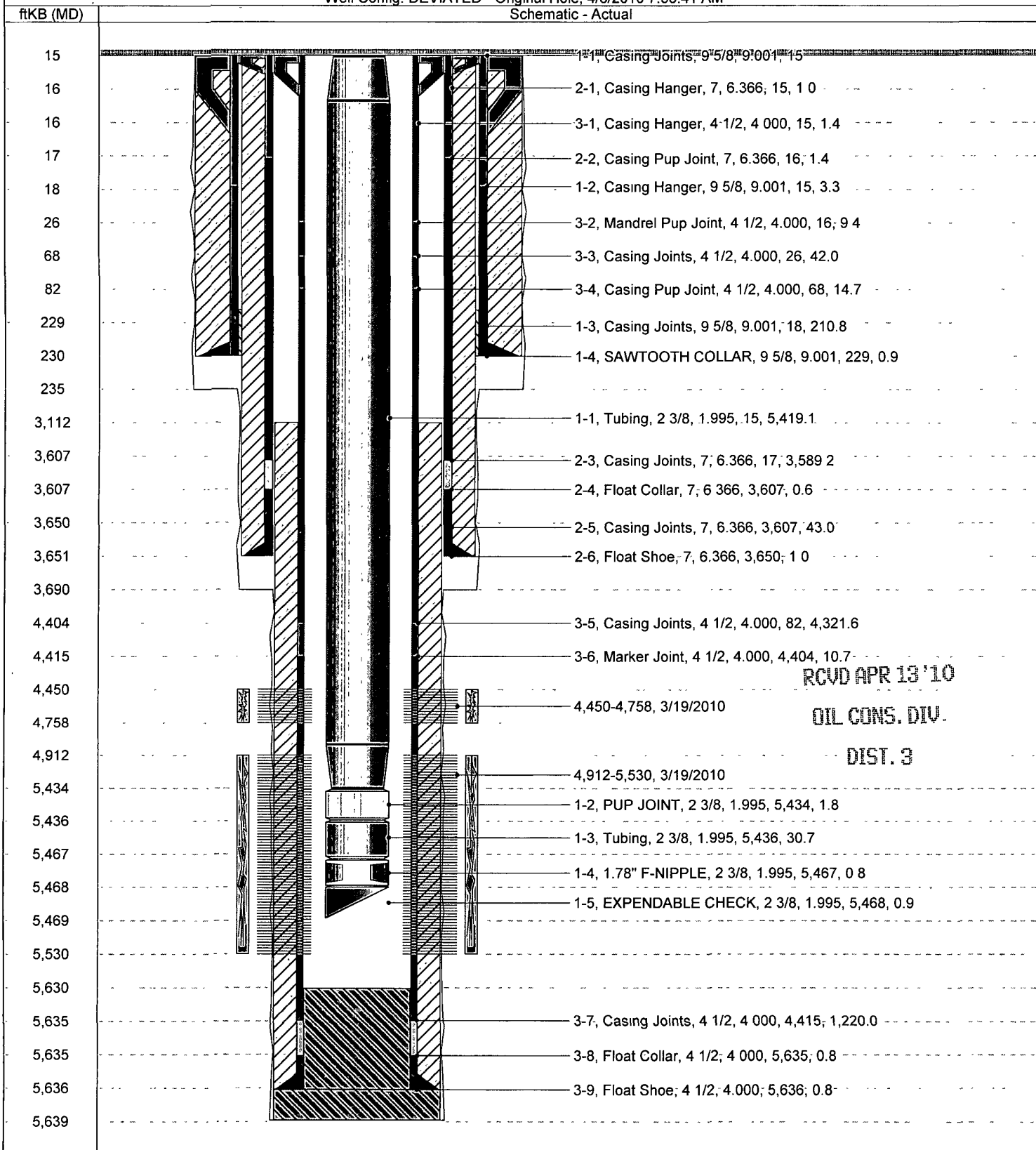
Burlington Resources Oil & Gas Company, LP

Most Recent Job

Jobs

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
COMPLETIONS	INITIAL COMPLETION	INITIAL COMPLETION	3/3/2010	4/7/2010

Well Config: DEVIATED - Original Hole, 4/8/2010 7:33:41 AM



RCVD APR 13 '10

OIL CONS. DIV.

DIST. 3