

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator Burlington Resources Oil & Gas Company LP		8. Well Name and No. Atlantic A 8C
3a. Address PO Box 4289, Farmington, NM 87499	3b. Phone No (include area code) (505) 326-9700	9. API Well No. 30-045-35137
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface Unit G (SWNE), 1368' FNL & 1980' FEL, Sec. 29, T31N, R10W Bottomhole Unit G (SWNE), 1397' FNL & 2021' FEL, Sec. 29, T31N, R10W		10. Field and Pool or Exploratory Area Blanco MV
		11. Country or Parish, State San Juan, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Nudge Well
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

For anti-collision issues with the two wells we are twinned with on this well #211, Burlington Resources is now proposing to use directional tools and nudge this well. Attached is a new Project Proposal, Directional Drill Plan, & C102.

RCVD MAY 17 '12

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) DENISE JOURNEY		Title REGULATORY TECHNICIAN
Signature <i>Denise Journey</i>		Date 5/17/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>[Signature]</i>	Title Petr. Eng	Date 5/17/12
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instruction on page 2)

OPERATOR NMOC D A

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35137	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 6800	⁵ Property Name ATLANTIC A	⁶ Well Number 8 C
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation EAST

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
G	29	31N	10W	7	1368'	NORTH	1980'	EAST	SAN JUAN

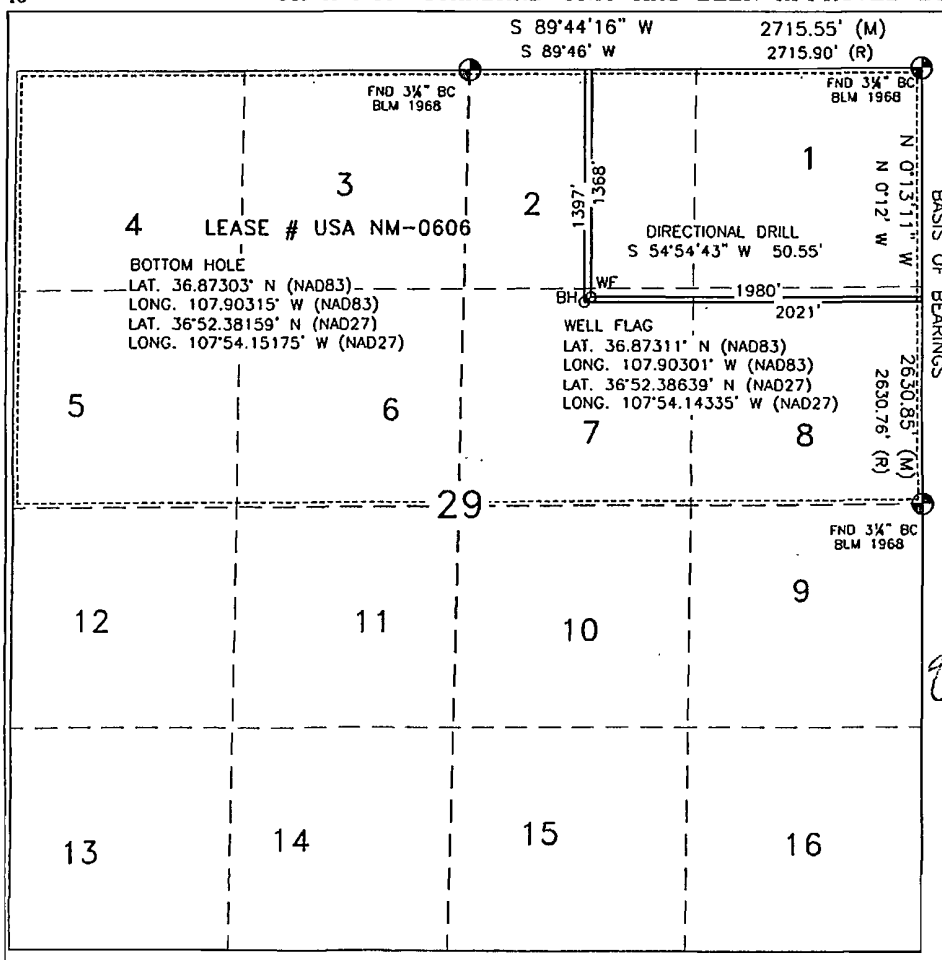
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	29	31N	10W	7	1397'	NORTH	2021'	EAST	SAN JUAN

¹² Dedicated Acres 328.94 ACRES - N/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

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 5/17/12
Signature Date

Crystal Tafoya 5/17/12
Printed Name

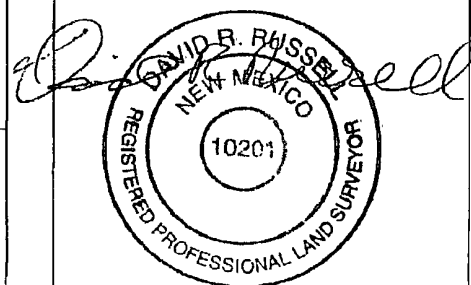
¹⁸ SURVEYOR CERTIFICATION

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.

AUGUST 24, 2009

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ATLANTIC A 8C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9337				AFE \$: 1,639,120.55	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: SAN JUAN		API #: 3004535137
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
<i>TD good w/ Sharon Acz</i> <i>No Mudloggers</i> <i>No Data Acquisition</i>							
Location: Surface		Datum Code: NAD 27				Directional	
Latitude: 36.873103	Longitude: -107.902386	X:	Y:	Section: 29	Range: 010W		
Footage X: 1980 FEL	Footage Y: 1368 FNL	Elevation: 5990	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Directional	
Latitude:	Longitude:	X:	Y:	Section: 29	Range: 010W		
Footage X: 2021 FEL	Footage Y: 1397 FNL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6005 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	202	5803		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 113 cuft. Circulate cement to surface.
OJO ALAMO	1279	4726		☐			
KIRTLAND	1368	4637		☐			
FRUITLAND	2166	3839		☐			Possible Gas
PICTURED CLIFFS	2688	3317		☐			
LEWIS	2837	3168		☐			
Intermediate Casing	2937	3068		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 785 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3413	2592		☐			
CHACRA	3764	2241		☐			
UPPER CLIFF HOUSE	4418	1587		☐			Gas; Est. Top Perf - 4418 (1585)
MASSIVE CLIFF HOUSE	4419	1586		☐	329		Gas
MENEFEE	4514	1491		☐			
POINT LOOKOUT	4937	1068		☐			Est. Btm Perf - 5085 (918) based on offset wells; TD - 250' below T/PNLK
Total Depth	5187	818		☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 312 cuft. Circulate cement a minimum of 100' inside the previous casing string.
MANCOS	5295	710		☐			
Reference Wells:							
Reference Type	Well Name		Comments				
Production	Atlantic A 21		31N 10W 29 NE SW NE				
Production	Lambe 2B		31N 10W 20 NW SE SE				
Production	Atlantic A 7A		31N 10W 29 SE NW SE				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ATLANTIC A 8C

DEVELOPMENT

Production	Atlantic A 211	31N 10W 29 NE SW NE
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Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MVNM031N010W29NE2 Avoid A - Atlantic A 8 (MV) is located there. Stay at least 800' away from Atlantic A 8. Prefer H, G, B. Topo could be an issue. May 15, '12 - proposing to nudge BHL to 1397' FNL & 2021' FEL due to anticollision issues. SEN

Zones - MVNM031N010W29NE2

General/Work Description - 05/08/12 H2S Plan Required

02/23/12 - DRLG - Scoping and cost estimate revised and includes: 9 day planned, 3 string csg design, updated construction costs, no losses anticipated, closed loop, dirc stand by charge, using a pro-shot in place of a teledrift, air dri prod hole. Cost also reflect increased costs and new additional costs around safety and supervision (Onward, rig move WSER's, rig move supervisors, 10/4 WSER's)

01/16/12 - Menefee seperate stage - ARM

4/26/10-Must be closed loop per Regulatory wfp

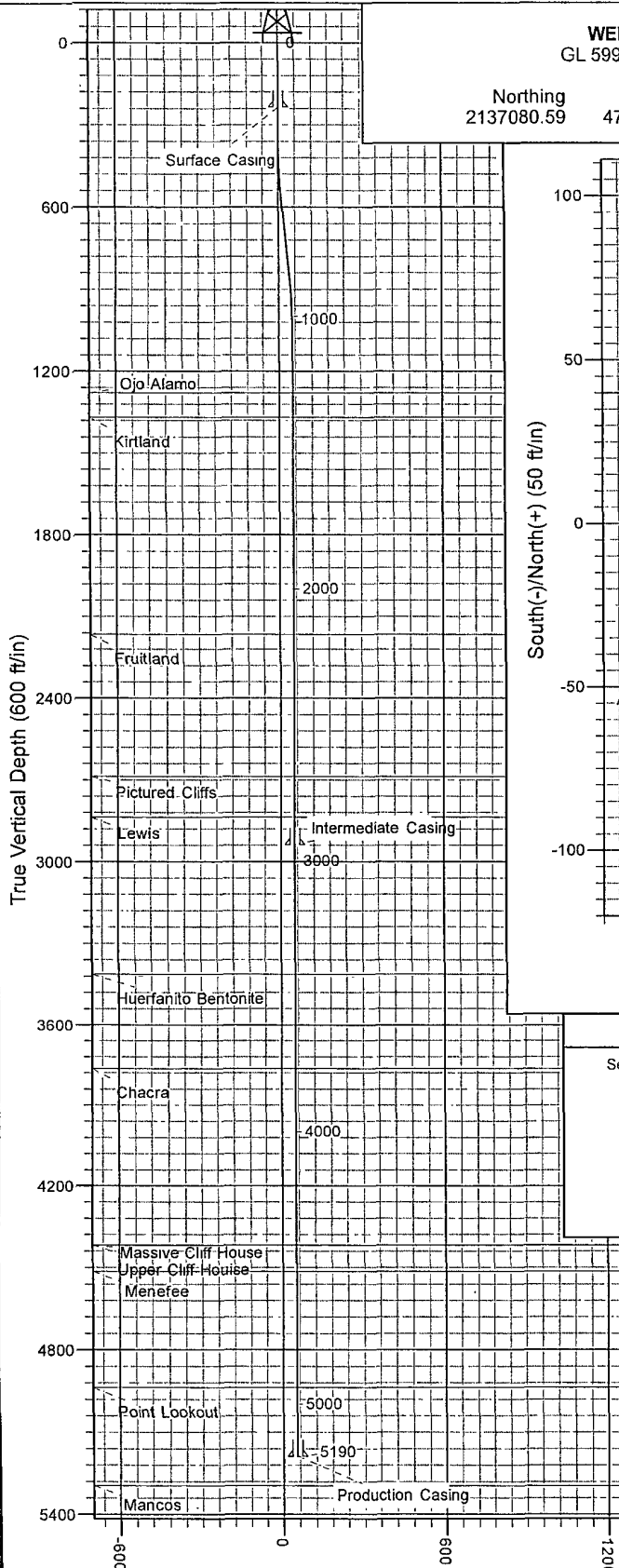
1/8/10 No H2S Contingency Required Metcalfe

NO LEWIS

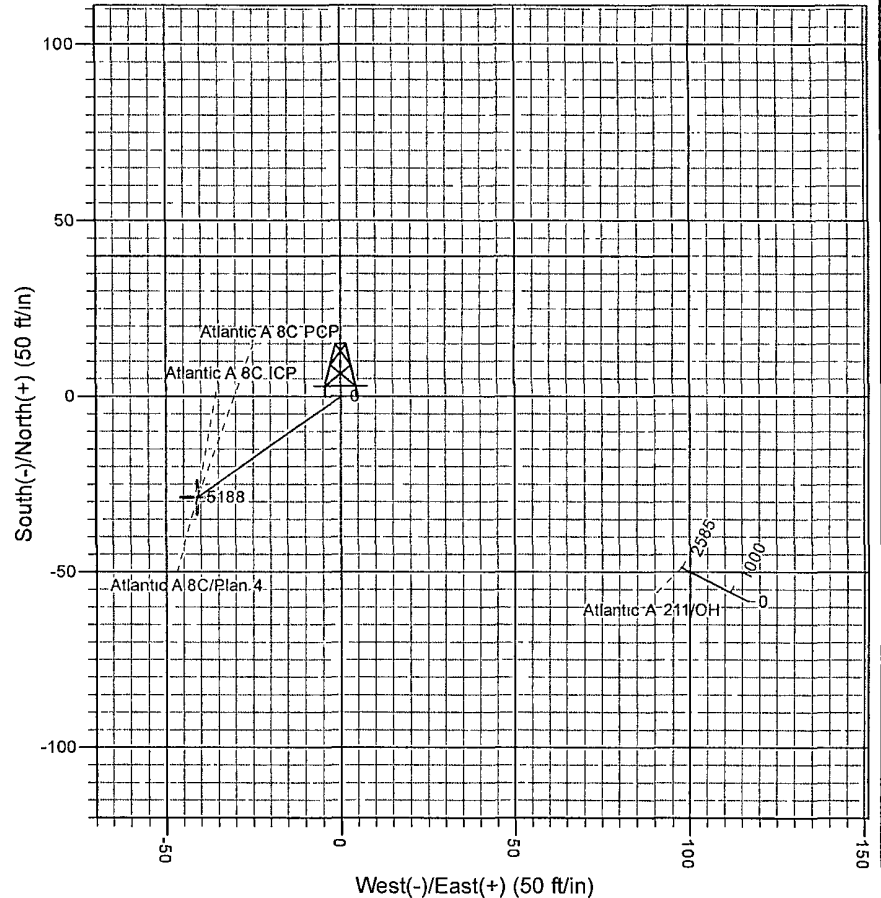
8/3/09: NOT ECONOMIC AS DIRECTIONAL.--TLJ

WELL DETAILS: Atlantic A 8C
GL 5990' & KB 15' @ 6005.0ft (AWS 920)
Ground Level: 5990.0

Northing 2137080.59 Easting 479801.18 Latitude 36° 52' 23.183 N Longitude 107° 54' 8.601 W



Vertical Section at 235.00° (600 ft/in)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	620.0	6.00	235.00	619.5	-9.0	-12.9	2.00	235.00	15.7	
4	848.1	6.00	235.00	846.3	-22.7	-32.4	0.00	0.00	39.5	
5	1048.1	0.00	0.00	1045.9	-28.7	-41.0	3.00	180.00	50.0	
6	2939.2	0.00	0.00	2937.0	-28.7	-41.0	0.00	0.00	50.0	Atlantic A 8C ICP
7	5189.2	0.00	0.00	5187.0	-28.7	-41.0	0.00	0.00	50.0	Atlantic A 8C PCP

Date: 16:21, May 14 2012

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Atlantic A 8C, True North
 Vertical (TVD) Reference: GL 5990' & KB 15' @ 6005.0ft (AWS 920)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 5990' & KB 15' @ 6005.0ft (AWS 920)
 Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM West)

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



ConocoPhillips

**SJB (NM West)
SEC 29-T31N-R10W
Atlantic A 8C**

OH

Plan: Plan 4

Standard Planning Report

14 May, 2012



Scientific Drilling

Database:	EDM 2003 21 Single User Db	Local Co-ordinate Reference:	Well Atlantic A 8C
Company:	ConocoPhillips	TVD Reference:	GL 5990' & KB 15' @ 6005 0ft (AWS 920)
Project:	SJB (NM West)	MD Reference:	GL 5990' & KB 15' @ 6005 0ft (AWS 920)
Site:	SEC 29-T31N-R10W	North Reference:	True
Well:	Atlantic A 8C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 4		

Project	SJB (NM West), San Juan County, New Mexico, S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	SEC 29-T31N-R10W		
Site Position:		Northing:	2,136,481.61 ft
From:	Lat/Long	Easting:	477,568.98 ft
Position Uncertainty:	0 0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 52' 17.243 N
		Longitude:	107° 54' 36.068 W
		Grid Convergence:	-0.05 °

Well	Atlantic A 8C, 1368' FNL 1980' FEL		
Well Position	+N-S	600.6 ft	Northing:
	+E-W	2,232 0 ft	Easting:
Position Uncertainty	2.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 52' 23.183 N
		Longitude:	107° 54' 8.601 W
		Ground Level:	5,990.0 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	BGGM2011	05/11/12	9.86
			Dip Angle
			63.52
			Field Strength
			50,668

Design:	Plan 4		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(ft)	(ft)	(ft)
	0.0	0.0	0 0
			Direction
			235.00

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N-S	+E-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
620.0	6.00	235.00	619.5	-9.0	-12.9	2.00	2.00	0.00	235.00	
848.1	6.00	235.00	846.3	-22.7	-32.4	0.00	0.00	0.00	0.00	
1,048.1	0.00	0.00	1,045.9	-28.7	-41.0	3.00	-3.00	0.00	180.00	
2,939.2	0.00	0.00	2,937.0	-28.7	-41.0	0.00	0.00	0.00	0.00	Atlantic A 8C ICP
5,189.2	0.00	0.00	5,187.0	-28.7	-41.0	0.00	0.00	0.00	0.00	Atlantic A 8C PCP

Database:	EDM 2003 21 Single User Db	Local Co-ordinate Reference:	Well Atlantic A 8C
Company:	ConocoPhillips	TVD Reference:	GL 5990' & KB 15' @ 6005.0ft (AWS 920)
Project:	SJB (NM West)	MD Reference:	GL 5990' & KB 15' @ 6005.0ft (AWS 920)
Site:	SEC 29-T31N-R10W	North Reference:	True
Well:	Atlantic A 8C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 4		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
234.0	0.00	0.00	234.0	0.0	0.0	0.0	0.00	0.00	0.00	
Surface Casing										
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	1.60	235.00	400.0	-0.6	-0.9	1.1	2.00	2.00	0.00	
500.0	3.60	235.00	499.9	-3.2	-4.6	5.7	2.00	2.00	0.00	
600.0	5.60	235.00	599.6	-7.8	-11.2	13.7	2.00	2.00	0.00	
620.0	6.00	235.00	619.5	-9.0	-12.9	15.7	2.00	2.00	0.00	
700.0	6.00	235.00	699.0	-13.8	-19.7	24.1	0.00	0.00	0.00	
800.0	6.00	235.00	798.5	-19.8	-28.3	34.5	0.00	0.00	0.00	
848.1	6.00	235.00	846.3	-22.7	-32.4	39.5	0.00	0.00	0.00	
900.0	4.44	235.00	898.0	-25.4	-36.3	44.3	3.00	-3.00	0.00	
1,000.0	1.44	235.00	997.8	-28.3	-40.5	49.4	3.00	-3.00	0.00	
1,048.1	0.00	0.00	1,045.9	-28.7	-41.0	50.0	3.00	-3.00	0.00	
1,100.0	0.00	0.00	1,097.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,197.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
1,281.2	0.00	0.00	1,279.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Ojo Alamo										
1,300.0	0.00	0.00	1,297.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
1,370.2	0.00	0.00	1,368.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Kirtland										
1,400.0	0.00	0.00	1,397.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,497.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,597.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,697.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,797.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,897.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	1,997.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,097.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,168.2	0.00	0.00	2,166.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Fruitland										
2,200.0	0.00	0.00	2,197.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,297.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,397.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,497.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,597.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,690.2	0.00	0.00	2,688.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Pictured Cliffs										
2,700.0	0.00	0.00	2,697.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,797.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,839.2	0.00	0.00	2,837.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Lewis										
2,900.0	0.00	0.00	2,897.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
2,939.2	0.00	0.00	2,937.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Intermediate Casing										
3,000.0	0.00	0.00	2,997.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,097.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,197.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,297.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,397.8	-28.7	-41.0	50.0	0.00	0.00	0.00	



Scientific Drilling Planning Report



Database:	EDM 2003 21 Single User Db	Local Co-ordinate Reference:	Well Atlantic A 8C
Company:	ConocoPhillips	TVD Reference:	GL 5990' & KB 15' @ 6005.0ft (AWS 920)
Project:	SJB (NM West)	MD Reference:	GL 5990' & KB 15' @ 6005.0ft (AWS 920)
Site:	SEC 29-T31N-R10W	North Reference:	True
Well:	Atlantic A 8C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 4		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
3,415.2	0.00	0.00	3,413.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Huerfano Bentonite										
3,500.0	0.00	0.00	3,497.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
3,600.0	0.00	0.00	3,597.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,697.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
3,766.2	0.00	0.00	3,764.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Chacra										
3,800.0	0.00	0.00	3,797.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,897.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,000.0	0.00	0.00	3,997.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,097.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,197.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,297.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,397.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,420.2	0.00	0.00	4,418.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Upper Cliff House										
4,421.2	0.00	0.00	4,419.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Massive Cliff House										
4,500.0	0.00	0.00	4,497.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,516.2	0.00	0.00	4,514.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Menefee										
4,600.0	0.00	0.00	4,597.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,697.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,797.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,897.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
4,939.2	0.00	0.00	4,937.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Point Lookout										
5,000.0	0.00	0.00	4,997.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,097.8	-28.7	-41.0	50.0	0.00	0.00	0.00	
5,189.2	0.00	0.00	5,187.0	-28.7	-41.0	50.0	0.00	0.00	0.00	
Production Casing										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Atlantic A 8C ICP	0.00	0.00	2,937.0	-28.7	-41.0	2,137,051.95	479,760.21	36° 52' 22.900 N	107° 54' 9.105 W	
- plan hits target center										
- Circle (radius 0.0)										
Atlantic A 8C PCP	0.00	0.00	5,187.0	-28.7	-41.0	2,137,051.95	479,760.21	36° 52' 22.900 N	107° 54' 9.105 W	
- plan hits target center										
- Circle (radius 0.0)										

Database:	EDM 2003 21 Single User Db	Local Co-ordinate Reference:	Well Atlantic A 8C
Company:	ConocoPhillips	TVD Reference:	GL 5990' & KB 15' @ 6005 0ft (AWS 920)
Project:	SJB (NM West)	MD Reference:	GL 5990' & KB 15' @ 6005 0ft (AWS 920)
Site:	SEC 29-T31N-R10W	North Reference:	True
Well:	Atlantic A 8C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 4		

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,939.2	2,937.0	Intermediate Casing	7	8-3/4
5,189.2	5,187.0	Production Casing	4-1/2	6-1/4
234.0	234.0	Surface Casing	9-5/8	12-1/4

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,281.2	1,279.0	Ojo Alamo		0.00		
1,370.2	1,368.0	Kirtland		0.00		
2,168.2	2,166.0	Fruitland		0.00		
2,690.2	2,688.0	Pictured Cliffs		0.00		
2,839.2	2,837.0	Lewis		0.00		
3,415.2	3,413.0	Huerfano Bentonite		0.00		
3,766.2	3,764.0	Chacra		0.00		
4,420.2	4,418.0	Upper Cliff House		0.00		
4,421.2	4,419.0	Massive Cliff House		0.00		
4,516.2	4,514.0	Menefee		0.00		
4,939.2	4,937.0	Point Lookout		0.00		
	5,295.0	Mancos		0.00		