

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED


AUG 26 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

ROD SEP 2 '09
OIL CONS. DIV.

DIST. 3

1a. Type of Work DRILL	5. Lease Number NMNM-0607 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Atlantic C 9. Well Number 3C
4. Location of Well Surf: Unit P (SESE), 875' FSL & 1180' FEL Bottomhole: Unit J (NWSE), 1635' FSL & 1920' FEL Surf: Latitude: 36.85031° N (NAD83) Longitude: 107.91900° W Bottomhole: Latitude: 36.85240° N (NAD83) Longitude: 107.92152° W	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 31, T31N, R10W API # 30-045-35015
14. Distance in Miles from Nearest Town 9 miles/Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 875'	
16. Acres in Lease 1,277.260	 H₂S POTENTIAL EXIST 17. Acres Assigned to Well MV 319.9 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 150' from Atlantic C 3A (MV)	
19. Proposed Depth 5416'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6079' GL	22. Approx. Date Work will Start BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date: <u>8/26/2009</u>

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

SEP 11 2009

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

Hold C104

for Directional Survey
and "As Drilled" plat

NMOCD

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

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 Bu

Dr.
Bureau of Land Management
Farmington Field Office

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

State Lease - 4 Copies
Fee Lease - 3 Copies

Free Lease - 3 Copies

100

☐ 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
'OGRID 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	1635'	SOUTH	1920'	EAST	SAN JUAN

13 Dedicated Acres	14 Joint or Infill	15 Consolidation Code	16 Order No.
319.9 ACRES - E/2			

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

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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.

Signature Crystal Talsya Date 5/29/09

Crystal Tafoya 5-29-09
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 20, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

L. A. Russell



DAVID RUSSELL

Certificate Number 10201

PC

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ATLANTIC C 3C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9303				AFE \$: 816,276.11	
Field Name: SAN JUAN		Rig: XXX 2011 Holding Rig #2		State: NM	County: SAN JUAN		API #:
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)						
Location: Datum Code: NAD 27 Directional:							
Latitude: 36.850306	Longitude: -107.918379	X:	Y:	Section: 31	Range: 010W		
Footage X: 1180 FEL	Footage Y: 875 FSL	Elevation: 6079	(FT)	Township: 031N			
Tolerance:							
Location: Datum Code: NAD 27 Directional:							
Latitude: 36.852396	Longitude: -107.920899	X:	Y:	Section: 31	Range: 010W		
Footage X: 1920 FEL	Footage Y: 1635 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6096 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	5896	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
OJO ALAMO	1307	4789	<input type="checkbox"/>			Nacimiento at surface.	
KIRTLAND	1416	4680	<input type="checkbox"/>				
FRUITLAND	2196	3900	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	2742	3354	<input type="checkbox"/>	250			
LEWIS	2874	3222	<input type="checkbox"/>				
HUERFANITO BENTONITE	3448	2648	<input type="checkbox"/>				
Intermediate Casing	3450	2646	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 827 cuft. Circulate cement to surface.	
CHACRA	3790	2306	<input type="checkbox"/>				
MASSIVE CLIFF HOUSE	4326	1770	<input type="checkbox"/>	450		Gas	
MENEFEE	4538	1558	<input type="checkbox"/>				
POINT LOOKOUT	4950	1146	<input type="checkbox"/>			Offset took completion all the way to base of Point Lookout.	
MANCOS	5316	780	<input type="checkbox"/>				
Total Depth	5416	680	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 274 cuft. Circulate cement a minimum of 100' inside the previous casing string.	
Reference Wells:							
Reference Type	Well Name		Comments				
Production	Atlantic C 3A		SE31-31-10				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ATLANTIC C 3C

DEVELOPMENT

Logging Program:			
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
no mudlog or OH logs required							

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM:Central Planning	Local Co-ordinate Reference:	Well Atlantic C #3C
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 9095.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 9095.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Atlantic C #3C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,539.2	5,316.0	Mancos Shale		0.00		
3,088.1	2,874.0	Lewis		0.00		
3,671.2	3,448.0	Huerf Bent		0.00		
2,329.6	2,196.0	Fruitland		0.00		
4,761.2	4,538.0	Menefee		0.00		
1,327.6	1,307.0	Ojo Alamo		0.00		
5,173.2	4,950.0	Pt Lookout		0.00		
2,947.9	2,742.0	Pictured Cliffs		0.00		
4,013.2	3,790.0	Chacra		0.00		
1,444.7	1,416.0	Kirtland		0.00		
4,549.2	4,326.0	Massive Cliffhouse		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

ATLANTIC C #3 C

875' FSL & 1180' FEL

LOCATED IN THE SE/4 SE/4 OF SECTION 31,
T31N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE INTERSECTION OF HWY 550 & HWY 516 IN AZTEC, TRAVEL EASTERLY ON 550 FOR 3.8 MILES TO CR 2770.
- 2) TURN RIGHT ONTO CR 2770, AND GO 2.7 MILES.
- 3) TURN RIGHT & GO 1.1 MILES.
- 4) TURN RIGHT & GO 0.7 MILES TO "Y" INTERSECTION.
- 5) VEER RIGHT & GO 0.2 MILES TO LOCATION.
- 6) TRAVEL THROUGH LOCATION & GO 0.3 MILES.
- 7) TURN LEFT & TRAVEL 0.2 MILES WHERE ACCESS IS LOCATED ON RIGHT SIDE OF ROAD. LOCATION IS CO-LOCATED WITH ATLANTIC C #3 A.

WELL FLAG LOCATED AT LAT. 36.85031° N, LONG. 107.91900° W (NAD 83).

JOB No.: COPC311
DATE: 05/26/09



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637