

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079383 Unit Reporting Number Farmington Field Office	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 30-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name REVD NOV 13 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit H (SENE), 1923' FNL & 945' FEL Bottomhole: Unit I (NESE), 2030' FSL & 830' FEL Surf: Latitude: 36.771065° N (NAD83) Longitude: 107.534523° W Bottomhole: Latitude: 36.767433° N (NAD83) Longitude: 107.534124° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) H Sec. 35, T30N, R7W API # 30-039-30756	
14. Distance in Miles from Nearest Town 22 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 830'	17. Acres Assigned to Well MV/DK 320.00 (E/2)	
16. Acres in Lease 2,240.00	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 74' from San Juan 30-6 Unit 101 (MV)	
19. Proposed Depth 8260'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6858' 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 4/29/2009	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	

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 or any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

Hold 6104

for Directional Survey
and "As Drilled" plat

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

NOV 17 2009

NMOC

Drilling operations authorized prior to compliance with attached "General Requirements".

NOTIFY AZTEC OCD 24 HRS
PRIOR TO CASING & CEMENT

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

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, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102

Revised October 12, 2005

OIL CONSERVATION DIVISION

1220 South St. Francis
Santa Fe, N.M. 87505

APR 26 2009
Submitted to Appropriate District Office
State Lease - 4 Copies
Bureau of Land Management Fee Lease - 3 Copies
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30756	Pool Code 71599 / 72319	Pool Name DAKOTA / MESA VERDE
Property Code 7469	Property Name SAN JUAN 30-6 UNIT	Well Number 101M
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	Elevation 6858

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
H	35	30 N	7 W		1923	NORTH	945	EAST	RIO ARRIBA

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
I	35	30 N	7 W		2030	SOUTH	830	EAST	RIO ARRIBA

Dedicated Acres 320.00 (E/2)	Joint or Infill	Consolidation Code	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 S 89°42'27" W 5263.99'			5250.85'	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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>James Gardenhire</i> Date: 10/03/08 Printed Name: James Gardenhire
		NAD 83 LAT: 36.771065° N LONG: 107.534523° W NAD 27 LAT: 36°46.2636' N LONG: 107°32.0350' W	945'	0°16'09" E
SECTION 35		USA SF-079383 NAD 83 LAT: 36.767433° N LONG: 107.534124° W NAD 27 LAT: 36°46.0456' N LONG: 107°32.0110' W	830'	2636.130'
N 0°02'09" E S 89°43'58" W 2640.12'			2030'	2637.05'
O = SURFACE LOCATION ● = BOTTOM HOLE LOCATION				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. Date of Survey: 8/30/08 Signature and Seal: <i>Marshall W. Lindeen</i> 17078 Certificate Number: 17078

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 101M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8322		AFE \$: 1,801,969.34	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Hester, Colton		Phone: +1 505-326-9779		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface Datum Code: NAD 27

Latitude: 36.771059 Longitude: -107.533917 X: Y: Section: 35 Range: 007W

Footage X: 945 FEL Footage Y: 1923 FNL Elevation: 6858 (FT) Township: 030N

Tolerance:

Location: Bottom Hole Datum Code: NAD 27

Latitude: 36.767427 Longitude: -107.533518 X: Y: Section: 35 Range: 007W

Footage X: 830 FEL Footage Y: 2030 FSL Elevation: (FT) Township: 030N

Tolerance:

Location Type: Year Round Start Date (Est.): 1/1/2009 Completion Date: Date In Operation:

Formation Data: Assume KB = 6873 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6673	<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	2843	4030	<input type="checkbox"/>			
KIRTLAND	2955	3918	<input type="checkbox"/>			
FRUITLAND	3299	3574	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3755	3118	<input type="checkbox"/>			
LEWIS	3869	3004	<input type="checkbox"/>			
Intermediate Casing	4300	2573	<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1026 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4477	2396	<input type="checkbox"/>			
CHACRA	4767	2106	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5556	1317	<input type="checkbox"/>	423		Gas
MENEFEE	5621	1252	<input type="checkbox"/>			
POINT LOOKOUT	5966	907	<input type="checkbox"/>			
MANCOS	6291	582	<input type="checkbox"/>			
UPPER GALLUP	7135	-262	<input type="checkbox"/>			
GREENHORN	7951	-1078	<input type="checkbox"/>			
GRANEROS	8005	-1132	<input type="checkbox"/>			
TWO WELLS	8078	-1205	<input type="checkbox"/>	3442		Gas
UPPER CUBERO	8151	-1278	<input type="checkbox"/>			
LOWER CUBERO	8183	-1310	<input type="checkbox"/>			
ENCINAL	8250	-1377	<input type="checkbox"/>			
Total Depth	8260	-1387	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 540 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 101M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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
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Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call TD. Est bottom perf ~20' above the Est TD.

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 SJ 30-6 #101M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6873.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6873.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	Grid
Well:	SJ 30-6 #101M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,008.2	2,843.0	Ojo		0.00		
3,131.0	2,955.0	Kirtland		0.00		
3,508.0	3,299.0	Fruitland		0.00		
4,001.1	3,755.0	Pictured Cliffs		0.00		
4,119.0	3,869.0	Lewis		0.00		
4,730.8	4,477.0	Huerfano Bentonite		0.00		
5,020.8	4,767.0	Chacra		0.00		
5,809.8	5,556.0	Mass. Cliffhouse		0.00		
5,874.8	5,621.0	Menefee		0.00		
6,219.8	5,966.0	Point Lookout		0.00		
6,544.8	6,291.0	Mancos		0.00		
7,388.8	7,135.0	Upper Gallup		0.00		
8,204.8	7,951.0	Greenhorn		0.00		
8,258.8	8,005.0	Graneros		0.00		
8,331.8	8,078.0	Two Wells		0.00		
8,404.8	8,151.0	Upper cubero		0.00		
8,436.8	8,183.0	Lower Cubero		0.00		
8,513.8	8,260.0	Encinal		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT 101M

1923' FNL & 945' FEL (SURFACE LOCATION)

2030' FSL & 830' FEL (BOTTOM HOLE LOCATION)

LATITUDE: 36.771065° N

LONGITUDE: 107.534523° W

NAD 83

SECTION 35, T-30-N, R-7-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND NEW MEXICO STATE
HIGHWAY 539 AT NAVAJO CITY, NEW MEXICO

TRAVEL NORTHWESTERLY ON NEW MEXICO HIGHWAY 539 FOR 2.2 MILES.

TURN RIGHT AFTER CROSSING GOVERNADOR WASH AND
TRAVEL NORTHEASTERLY 2.2 MILES TOWARDS SMITH PASS

CONTINUE TOWARDS SMITH PASS 1.0 MILE.

AT SUMMIT OF SMITH PASS STAY TO THE RIGHT;

ASCENDING FRANCIS MESA

TRAVEL SOUTHEASTERLY 2.7 MILES.

TURN LEFT ON RIG ROAD AND PROCEED APPROXIMATELY 200'
TO PROPOSED SAN JUAN 30-6 UNIT 101M WELL LOCATION.