

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FEB 17 2009

1a. Type of Work DRILL	5. Lease Number NM-03416 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 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 9. Well Number 1N	
4. Location of Well Surf: Unit O (SWSE), 1244' FSL & 2019' FEL BHL: Unit P (SESE), 710' FSL & 710' FEL Surf: Latitude: 36.823261 N Longitude: 107.466103 W BHL: Latitude: 36.821789 N Longitude: 107.461632 W	10. Field, Pool, Wildcat Basin DK / Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) O Surf: Sec. 9, T30N, R6W P BHL: Sec. 9, T30N, R6W API # 30-039-30688	
14. Distance in Miles from Nearest Town 39 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1244'		
16. Acres in Lease 320.00	17. Acres Assigned to Well DK/MV 320.00 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 76' from San Juan 30-6 Unit 1A (DK/MV)		
19. Proposed Depth 7789'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6265' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>James Gardenhire</u> James Gardenhire (Regulatory Technician)	2-16-09 Date	

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

Hold C104

for Directional Survey
and "As Drilled" plat

NMOCD

MAR 09 2009

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

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

Form C-102
Revised October 12, 2005
Submitted to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office
DRAFT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30088	² Pool Code 71599 / 72319	³ Basin ⁴ Pool Name BLANCO DAKOTA / MESA VERDE
⁵ Property Code 7469	⁶ Property Name SAN JUAN 30-6 UNIT	⁷ Well Number IN
⁸ GRID No. 14538	⁹ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	¹⁰ Elevation 6265

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
O	9	30 N	6 W		1244	SOUTH	2019	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
P	9	30 N	6 W		710	SOUTH	710	EAST	RIO ARRIBA

¹² Dedicated Acres 320.00 (E/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 N 89°57' E 2640' (R) O = SURFACE LOCATION ● = BOTTOM HOLE LOCATION	2642.64' (R)	N 89°54'17" E	2639.03'	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: 10/20/08 Printed Name: James Gardenhire	
N 0°01' E			USA NM-03416	N 0°09'43" W	
		SECTION 9			
2636.53'			NAD 83 LAT: 36.821789° N LONG: 107.461632° W NAD 27 LAT: 36°49.3070' N LONG: 107°27.6616' W	2638.62'	
N 0°02'50" E			NAD 83 LAT: 36.823261° N LONG: 107.466103° W NAD 27 LAT: 36°49.3953' N LONG: 107°27.9299' W	N 0°11'16" W	
S 89°53'14" W	2645.80'	S 89°51'38" W	2640.71'	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: 9/22/08 Signature and Seal of Professional Surveyor: <i>Marshall W. Linden</i> 17078 Certificate Number: 17078	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 1N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8287				AFE \$:	
Field Name: hBR_SAN JUAN 30-6 UNIT		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.821783		Longitude: -107.461028		X:	Y:	Section: 09	Range: 006W
Footage X: 2019 FEL		Footage Y: 1244 FSL		Elevation: 6265 (FT)		Township: 030N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.823255		Longitude: -107.465499		X:	Y:	Section: 09	Range: 006W
Footage X: 710 FEL		Footage Y: 710 FSL		Elevation: (FT)		Township: 030N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6277 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	.SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6077	☐			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	2303	3974	☐				
KIRTLAND	2393	3884	☐				
FRUITLAND	2739	3538	☐			Possible Gas	
PICTURED CLIFFS	3189	3088	☐				
LEWIS	3289	2988	☐				
HUERFANITO BENTONITE	3909	2368	☐				
CHACRA	4301	1976	☐				
Intermediate Casing	4400	1877	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1055 cuft. Circulate cement to surface.	
MASSIVE CLIFF HOUSE	5109	1168	☐	430		Gas	
MENEFEE	5207	1070	☐				
POINT LOOKOUT	5427	850	☐				
MANCOS	5837	440	☐				
UPPER GALLUP	6735	-458	☐				
GREENHORN	7428	-1151	☐				
GRANEROS	7480	-1203	☐				
TWO WELLS	7595	-1318	☐	3227		Gas	
UPPER CUBERO	7619	-1342	☐				
LOWER CUBERO	7662	-1385	☐				
ENCINAL	7724	-1447	☐				
Total Depth	7789	-1512	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/ L-80, LTC casing. Cement w/ 464 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 1N

DEVELOPMENT →

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
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Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final 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 #1N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6280.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6280.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	Gnd
Well:	SJ 30-6 #1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Principal Wellbore		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
2,423.0	2,303.0	Ojo		0.00		
2,522.4	2,393.0	Kirtland		0.00		
2,904.5	2,739.0	Fruitland		0.00		
3,401.6	3,189.0	Pictured Cliffs		0.00		
3,512.0	3,289.0	Lewis		0.00		
4,184.4	3,909.0	Huerfano Bentonite		0.00		
4,581.9	4,301.0	Chacra		0.00		
5,390.0	5,109.0	Mass. Cliffhouse		0.00		
5,488.0	5,207.0	Menefee		0.00		
5,708.0	5,427.0	Point Lookout		0.00		
6,118.0	5,837.0	Mancos		0.00		
7,016.0	6,735.0	Upper Gallup		0.00		
7,709.0	7,428.0	Greenhorn		0.00		
7,761.0	7,480.0	Graneros		0.00		
7,876.0	7,595.0	Two Wells		0.00		
7,900.0	7,619.0	Upper Cubero		0.00		
7,943.0	7,662.0	Lower Cubero		0.00		
8,005.0	7,724.0	Encinal		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT 1N

1244' FSL & 2019' FEL (SURFACE LOCATION)

710' FSL & 710' FEL (BOTTOM HOLE LOCATION)

LATITUDE: 36.823261° N

LONGITUDE: 107.466103° W

NAD 83

SECTION 9, T-30-N, R-6-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND NEW MEXICO STATE
HIGHWAY 527 (A.K.A. SIMS HIGHWAY), NEW MEXICO

TRAVEL NORTHERLY ON NEW MEXICO HIGHWAY 527, 7.9 MILES.
TURN RIGHT ONTO ROSA ROAD AND TRAVEL NORTHEASTERLY 4.0 MILES.
TURN LEFT & TRAVEL NORTHERLY ON A WELL ROAD 0.5 MILE.
TURN RIGHT & PROCEED 0.1 MILE TO EXISTING
SAN JUAN 30-6 UNIT 1A WELL LOCATION.