


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080713 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 RCVD MAR 5 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit G (SWNE), 1755' FNL & 665' FEL BH: Unit G (SWNE), 2340' FNL & 1600' FEL Surf: Latitude: 36.815030 N Longitude: 107.410058 W BHL: Latitude: 36.813432 N Longitude: 107.413244 W	10. Field, Pool, Wildcat Basin Dakota & Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) 6 Sec. 13, T30N, R6W API # 30-039-30647	
14. Distance in Miles from Nearest Town 54.1 mile/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 665'	17. Acres Assigned to Well MV/DK 227.76 (E/2)	
16. Acres in Lease 912.880	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 316.8' from San Juan 30-6 435 (FC)	
19. Proposed Depth 7837'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6325' GL	 H₂S POTENTIAL EXISTS 22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u><i>Patsy Clugston</i></u> <u>1/9/08</u> Patsy Clugston (Sr. Regulatory Specialist) Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY *D. Montoya*

TITLE *AFM*

DATE *3/3/09*

MAR 10 2009

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

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.9

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

Hold C104
for Directional Survey
and "As Drilled"

NMOC

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

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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Bureau of Land Management
Farmington Field Office

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30647		² Pool Code 71599 / 72319		³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE	
⁴ Property Code 7469		⁵ Property Name SAN JUAN 30-6 UNIT			⁶ Well Number 39M
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6325

¹⁰ SURFACE LOCATION

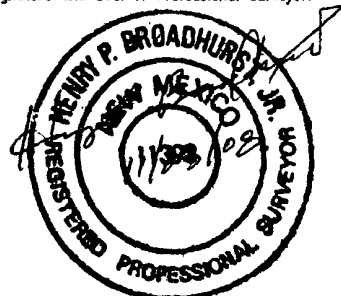
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	13	30-N	6-W		1755	NORTH	665	EAST	RIO ARRIBA

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
G	13	30-N	6-W		2340	NORTH	1600	EAST	RIO ARRIBA

¹² Dedicated Acres 227.76	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

<p>¹⁶</p> <p>GLO 1914</p> <p>WELL FLAG NAD 83 LAT: 36.815030° N LONG: 107.410058° W NAD 27 LAT: 36°48.901446' N LONG: 107°24.567324' W</p> <p>BOTTOM HOLE NAD 83 LAT: 36.813432° N LONG: 107.413244° W NAD 27 LAT: 36°48.805548' N LONG: 107°24.758491' W</p> <p>E/2 DEDICATED ACREAGE SF-080713 SECTION 13, T-30-N, R-6-W</p>	<p>GLO 1914</p> <p>N 89°54'27" E 1877.5' (M) N 89°56' W 1878.4' (R)</p> <p>1755'</p> <p>2640.0' (R) 2630.0' (M)</p> <p>2340'</p> <p>S 57°57'15" W 1069.5'</p> <p>665'</p> <p>N 0°17'34" W</p> <p>1600'</p> <p>GLO 1914</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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</p> <p><i>James Gardenhire</i> Signature James Gardenhire Printed Name Regulatory Technician Title and E-mail Address 11/04/08 Date</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey: 9/2/08 Signature and Seal of Professional Surveyor:  </p> <p>Certificate Number: NM 11393</p>
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 39M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8323		AFE \$:	
Field Name: hBR_SAN JUAN 30-6 UNIT		Rig: H&P Rig 283	State: NM	County: RIO ARRIBA	API #:
Geologist:	Phone:	Geophysicist:	Phone:		
Geoscientist:	Phone:	Prod. Engineer:	Phone:		
Res. Engineer: Hester, Colton	Phone: +1 505-326-9779	Proj. Field Lead:	Phone:		
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Datum Code: NAD 27					
Latitude: 36.815024	Longitude: -107.409455	X:	Y:	Section: 13	Range: 006W
Footage X: 665 FEL	Footage Y: 1755 FNL	Elevation: 6325 (FT)	Township: 030N		
Tolerance:					
Location: Datum Code: NAD 27					
Latitude: 36.813426	Longitude: -107.412641	X:	Y:	Section: 13	Range: 006W
Footage X: 1600 FEL	Footage Y: 2340 FNL	Elevation: (FT)	Township: 030N		
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6341 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6141	<input type="checkbox"/>		
OJO ALAMO	2395	3946	<input type="checkbox"/>		
KIRTLAND	2493	3848	<input type="checkbox"/>		
FRUITLAND	2785	3556	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	3275	3066	<input type="checkbox"/>		
LEWIS	3363	2978	<input type="checkbox"/>		
Intermediate Casing	3750	2591	<input type="checkbox"/>		
HUERFANITO BENTONITE	4009	2332	<input type="checkbox"/>		
CHACRA	4375	1966	<input type="checkbox"/>		Estimated upper perf 6230'.
MASSIVE CLIFF HOUSE	5202	1139	<input type="checkbox"/>	450	Gas
MENEFEE	5251	1090	<input type="checkbox"/>		
POINT LOOKOUT	5507	834	<input type="checkbox"/>		
MANCOS	5875	466	<input type="checkbox"/>		
UPPER GALLUP	6798	-457	<input type="checkbox"/>		
GREENHORN	7511	-1170	<input type="checkbox"/>		
GRANEROS	7565	-1224	<input type="checkbox"/>		
TWO WELLS	7682	-1341	<input type="checkbox"/>	3350	Gas
PAGUATE	7687	-1346	<input type="checkbox"/>		
UPPER CUBERO	7697	-1356	<input type="checkbox"/>		
LOWER CUBERO	7737	-1396	<input type="checkbox"/>		Estimated bottom perf 15' off TD.
ENCINAL	7807	-1466	<input type="checkbox"/>		TD 30' into Encinal to complete very upper sand.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 39M

DEVELOPMENT

Total Depth	7837	-1496	<input type="checkbox"/>	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 557 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	San Juan 30-6 41A & 39A	section 13 30-6

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 OH logs. Mudlog from 100' above Greenhorn to TD - loggers will call TD.	

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

Comments: Location/Tops/Logging - MV/DKNM030N006W13NE2 Avoid unit letter B - SJ 30-6 Unit 39 (MV) is already there. Prefer H, A, G.

Zones - MV/DKNM030N006W13NE2

General/Work Description - LEWIS INCLUDED

9/3/08: staked too close to #435 (FTC), unable to move; E.Pippin requested DD economics are reviewed (dlb)

9/5/08-Is economic as DD per MMegorden wfp (Doc Mgmt)

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #39M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6345.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6345.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	Grid
Well:	SJ 30-6 #39M	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	Principal Wellbore Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
2,522.0	2,395.0	Ojo		0.00		
2,629.9	2,493.0	Kirtland		0.00		
2,951.5	2,785.0	Fruitland		0.00		
3,478.7	3,275.0	Pictured Cliffs		0.00		
3,569.0	3,363.0	Lewis		0.00		
4,217.7	4,009.0	Huerfano Bentonite		0.00		
4,583.7	4,375.0	Chacra		0.00		
5,410.7	5,202.0	Mass Cliffhouse		0.00		
5,459.7	5,251.0	Menefee		0.00		
5,715.7	5,507.0	Point Lookout		0.00		
6,083.7	5,875.0	Mancos		0.00		
7,006.7	6,798.0	Upper Gallup		0.00		
7,719.7	7,511.0	Greenhorn		0.00		
7,773.7	7,565.0	Graneros		0.00		
7,890.7	7,682.0	Two Wells		0.00		
7,895.7	7,687.0	Paguate		0.00		
7,905.7	7,697.0	Upper Cubero		0.00		
7,945.7	7,737.0	Lower Cubero		0.00		
8,015.7	7,807.0	Encinal		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT #39M

1755' FNL, 665' FEL

SECTION 13, T-30-N, R-6-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.815030°N LONG.: 107.410058°W

GROUND ELEV.: 6325 FIN. ELEV.: 6330 NAVD88

NEW ACCESS 272.8'

FROM THE INTERSECTION OF HWY. 550 AND HWY. 64 IN
BLOOMFIELD, N.M.:

- GO 37.7 MI. EAST ON HWY. 64 (MILE MARKER 102.3) TURN LEFT (NORTH) ON HWY. 527, AKA SIMMS MARINA ROAD.
- GO 8.0 MI. NORTH ON HWY. 527. TURN RIGHT ONTO ROSA ROAD.
- GO 6.4 MI. ALONG ROSA ROAD, CROSSING LA JARA WASH. TURN RIGHT (EASTERLY) AT BLM / FOREST SERVICE WARNING SIGN.
- GO 1.8 MI. CROSSING LA FRAGUA WASH, STAYING ON MAIN ROAD HEADING EAST. TURN RIGHT (SOUTHWEST) AT THE TOP OF THE HILL.
- GO 200 FT. TURN LEFT ON ACCESS TO SJ 30-6 #435 LOCATION.
- GO 0.1 MI. SOUTH TO SJ 30-6 #435 LOCATION. BEGIN NEW ACCESS OF SOUTHWEST CORNER OF LOCATION.