

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

JUN 01 2010

1a. Type of Work DRILL	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	5. Lease Number SF-080675 Unit Reporting Number	Bureau of Land Management Farmington Field Office
1b. Type of Well GAS		6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name <b>NM NM-78408B-DK NM NM-78408A-MV</b> San Juan 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700		8. Farm or Lease Name <b>RCVD NOV 15 '10</b>	
		9. Well Number 101P	<b>OIL CONS. DIV.</b>
			<b>DIST 3</b>
4. Location of Well Surface: Unit O (SWSE), 255' FSL & 2150' FEL  Surface: Latitude: 36.537853° N (NAD83) Longitude: 107.254542° W		10. Field, Pool, Wildcat Basin Dakota Blanco Mesaverde	
		11. Sec., Twn, Rge, Mer. (NMPM) Sec. 28, T27N, R4W	
		API # 30-039- <b>30971</b>	
14. Distance in Miles from Nearest Town 57.6 miles from Bloomfield		12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 255'			
16. Acres in Lease 2400.00		17. Acres Assigned to Well 320.00 (E2) MV/DK	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 996' from SJ 27-4 Unit 101M (MV/DK)			
19. Proposed Depth 8450'		20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7192' GL		22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached			
24. Authorized by: <u>Dollie L. Busse</u> Dollie L. Busse (Staff Regulatory Tech)		<u>May 27, 2010</u> Date	

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

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 3165.4

NMOCD DEC 17 2010

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

ptt

**Bureau of Land Management**  
**Farmington Field Office**

AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-	<sup>2</sup> Pool Code 71599 / 72319	<sup>3</sup> Pool Name BLANCO BASIN DAKOTA / MESAVERDE
<sup>4</sup> Property Code 7452	<sup>5</sup> Property Name SAN JUAN 27-4 UNIT	<sup>6</sup> Well Number 101P
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	<sup>9</sup> Elevation 7192

## 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	28	27-N	4-W		255	SOUTH	2150	EAST	RIO ARRIBA

<sup>11</sup> Bottom Hole Location If Different From Surface[illegible]

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

[illegible]

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 101P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9042				AFE \$: 0.00	
Field Name: SAN JUAN 27-4 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
<b>Primary Objective (Zones):</b>							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
<b>Location:</b> Surface <b>Datum Code:</b> NAD 27 <b>Straight Hole</b>							
Latitude: 36.537843		Longitude: -107.253943		X:	Y:	Section: 28	Range: 004W
Footage X: 2150 FEL		Footage Y: 255 FSL		Elevation: 7192 (FT)	Township: 027N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 7207      Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	7007	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 115 cuft. Circulate cement to surface.	
NACIMIENTO	2271	4936	<input type="checkbox"/>				
OJO ALAMO	3491	3716	<input type="checkbox"/>				
KIRTLAND	3571	3636	<input type="checkbox"/>				
FRUITLAND	3690	3517	<input type="checkbox"/>			Possible Gas	
PICTURED CLIFFS	4056	3151	<input type="checkbox"/>				
LEWIS	4137	3070	<input type="checkbox"/>				
Intermediate Casing	4237	2970	<input type="checkbox"/>		113	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1137 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4485	2722	<input type="checkbox"/>				
CHACRA	4996	2211	<input type="checkbox"/>				
UPPER CLIFF HOUSE	5612	1595	<input type="checkbox"/>			Gas; Est. Top Perf - 5614 (1593)	
MASSIVE CLIFF HOUSE	5723	1484	<input type="checkbox"/>	790		Gas; Cliffhouse is dry	
MENEFEE	5859	1348	<input type="checkbox"/>				
POINT LOOKOUT	6205	1002	<input type="checkbox"/>				
MANCOS	6706	501	<input type="checkbox"/>				
UPPER GALLUP	7334	-127	<input type="checkbox"/>				
GREENHORN	8152	-945	<input type="checkbox"/>				
GRANEROS	8211	-1004	<input type="checkbox"/>				
TWO WELLS	8235	-1028	<input type="checkbox"/>	2641		Gas	
PAGUATE	8346	-1139	<input type="checkbox"/>				
UPPER CUBERO	8371	-1164	<input type="checkbox"/>				
LOWER CUBERO	8410	-1203	<input type="checkbox"/>			Est. Btm Perf - 8425 (-1218) based on offset wells	
OAK CANYON	8430	-1223	<input type="checkbox"/>			TD - 40' Below T/CBRL	
Total Depth	8450	-1243	<input type="checkbox"/>		196	6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 574 cuft. Circulate cement a minimum of 100' inside the previous casing string.	
ENCINAL	8463	-1256	<input type="checkbox"/>				

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San Juan Business Unit

SAN JUAN 27-4 UNIT 101P

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 27-4 101M	27N 4W 28 NW SE SE
Production	SJ 27-4 57N	27N 4W 28 NE SE SW
Production	SJ 27-4 102	27N 4W 33 SE NW NE

<b>Logging Program:</b>			
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
Cased Hole GR / CBL							

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

**SAN JUAN 27-4 UNIT #101P**

**255' FSL, 2150' FEL**

**SECTION 28, T-27-N, R-4-W, N.M.P.M.,**

**RIO ARriba COUNTY, NEW MEXICO**

ELEV.: 7192 NAVD88    DATE: APRIL 8, 2009

**NEW ACCESS 527.2"**

**D  
F-10**

—APPROXIMATE 15X75' PIT AREA  
LINED WITH 12 MIL POLY. LINER

EDGE OF POND



1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.  
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED  
PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

# **BURLINGTON RESOURCES OIL & GAS COMPANY LP**

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**SAN JUAN 27-4 UNIT #101P**

**255' FSL, 2150' FEL**

**SECTION 28, T-27-N, R-4-W, N.M.P.M.,**

**RIO ARriba COUNTY, NEW MEXICO**

**NAD 83 LAT.: 36.537853°N LONG.: 107.254542°W**

**ELEV.: 7192 NAVD88**

**NEW ACCESS 527.2'**

DRIVING DIRECTIONS FROM BLOOMFIELD, N.M. AT THE INTERSECTION OF HWY. 550 AND HWY. 64: TRAVEL EAST ON HWY. 64 FOR 31.7 MILES (TO MILE POST 96.3) TURN RIGHT AT 29-6 WATER HOLE AND HEAD SOUTHEAST.

- STAY ON MAIN ROAD AND TURN LEFT AT 3.4 MI., CONTINUE ON MAIN ROAD.
- COME TO AN INTERSECTION AT 6.7 MI. FROM HWY. TURN RIGHT AND START HEADING SOUTH TOWARDS SANTOS PEAK ON "GENERAL AMERICAN ROAD".
- GO 7.75 MI. ON GENERAL AMERICAN ROAD. TO COTTONWOOD CROSSING. TURN RIGHT.
- GO 1.2 MI. SOUTH, CROSSING CEREZA WASH. TURN LEFT.
- GO 1.9 MI. EAST. STAY RIGHT. ENTER JARAMILLO CANYON AND FOREST ROAD 357.
- GO 4.3 MI. INTO JARAMILLO CANYON AND ON TOP OF CEREZA MESA. TURN LEFT ON FOREST ROAD 316.
- GO 0.6 MI. NORTH ON FOREST ROAD 316. BEGIN 527.2 FT. NEW ACCESS ON RIGHT (EAST) SIDE OF ROAD.