

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEC 05 2008  
Bureau of Land Management  
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079403 Unit Reporting Number	
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 San Juan 27-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Unit I (NESE), 1509' FSL & 940' FEL  Surf: Latitude 36.542367° N Longitude 107.339810° W	9. Well Number #128N  10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 27, T27N, R5W  API # 30-039-30611	
14. Distance in Miles from Nearest Town 51 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 940'	17. Acres Assigned to Well MV 294.64 (E/2) DK 310.51 (S/2)	
16. Acres in Lease 974.64		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from SJ 27-5 #162/PC P&A		
19. Proposed Depth 7779'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6542' GR This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	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>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	12-3-08 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

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

DEC 22 2008

RECEIVED

DEC 05 2008

Bureau of Land Management  
Farmington Field Office

Form C-102

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240State of New Mexico  
Energy, Minerals & Natural Resources DepartmentDISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, N.M. 87505OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, N.M. 87505Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-30011	<sup>2</sup> Pool Code 71599/72319	<sup>3</sup> Pool Name BLANCO BASIN DAKOTA / MESA VERDE
<sup>4</sup> Property Code 7454	<sup>5</sup> Property Name SAN JUAN 27-5 UNIT	<sup>6</sup> Well Number 128N
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	<sup>9</sup> Elevation 6542

<sup>10</sup> Surface Location

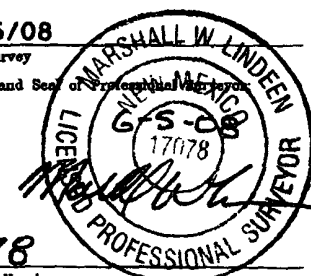
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I (LOT 9)	27	27 N	5 W		1509	SOUTH	940	EAST	RIO ARriba

<sup>11</sup> 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									

<sup>12</sup> Dedicated Acres 310.51 (DK S/2) 294.64 (MV E/2)	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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°52'51" E 2281.64' LOT 4 34.82	LOT 3 35.25	LOT 2 35.71	5264.02' LOT 1 38.12	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 <u>Crystal Tafoya</u> Date <u>6/12/08</u> Printed Name <u>Crystal Tafoya 6-12-08</u>
N 0°16'17" E LOT 5 35.00	LOT 6 35.44	LOT 7 35.94	LOT 8 38.38	
SECTION 27				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 <u>5/05/08</u> Signature and Seal of Professional Surveyor  Certificate Number <u>17078</u>
2574.11' USA SF-079394	LOT 10 37.85	LOT 9 37.15	940' LOT 12 37.40	
N 0°03'43" W S 89°24'54" W	NAD 83 LAT: 36.542367° N LONG: 107.339810° W NAD 27 LAT: 36° 32.5414' N LONG: 107° 20.3526' W LOT 11 38.11	1509' S 89°24'24" W	2698.59'	

**COMPANY**  
**Charge Code**  
**WELL NAME**  
**DUAL WELL**  
**TRIPLE WELL**

BURLINGTON RESOURCES		
WAN.RFE.PD08.80		
SAN JUAN 27 - 5 # 128 N	DATE	6/13/2008
WELL NAME		
WELL NAME		

	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
COORDINATES	127	27 N	5 W	36.542367 N	107.339810 W

COUNTY	RIO ARRIBA
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	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
RECTIFIER	30/12		X		
SOLAR					
GROUND BED		X	X		
240 V METER POLE					
480 V METER POLE					
D C CABLES	# 8	200'			
A C CABLES					
PRIMARY POWER				JEMEZ	
DISTANCE TO POWER				800 ft	
UNDERGROUND					
PUMPJACK					
WATER PUMP					

COMMENTS	INSTALL NEW GROUND BED
	INSTALL NEW NEGATIVE
	existing system was installed 2001

WELL NAME

SAN JUAN 27 - 5 # 128 N

N

INSTALL NEW GROUNDBED

INSTALL NEW NEGATIVE

1 PHASE JEMEZ PRIMARY

existing system was installed  
2001

# 162 P & A

# 128 N - NOT DRILLED YET

150'

1 NEG. RECT. WAS NEW IN 2001

EXISTING RECTIFIER

NEW WELL ON SAME LOCATION AS P & A # 162

TANK



SEP OR  
DEHY



SOLAR



METER POLE



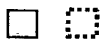
PUMP  
JACK



GND/BED EXISTING CABLE



RECT



PIT



WELL



proposed  
solar/gb



PROPOSED CABLE



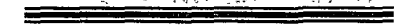
FOREIGN PL



POWER LINE



CONOCO PL



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 128N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8079		AFE \$:	
Field Name: hBR_SAN JUAN 27-5 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
				Phone:	

## Primary Objective (Zones):

Zone	Zone Name
R20076	DAKOTA(R20076)
R20002	MESAVERDE(R20002)

Location: Surface Datum Code: NAD 27

Latitude: 36.542357	Longitude: -107.339209	X:	Y:	Section: 27	Range: 005W
Footage X: 940 FEL	Footage Y: 1509 FSL	Elevation: 6542	(FT)	Township: 027N	

Tolerance:

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

Formation Data: Assume KB = 6558 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	350	6208	<input type="checkbox"/>			12-1/4 hole. 350' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 265 cuft. Circulate cement to surface.
OJO ALAMO	2569	3989	<input type="checkbox"/>			
KIRTLAND	2902	3656	<input type="checkbox"/>			
FRUITLAND	3014	3544	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3313	3245	<input type="checkbox"/>			
LEWIS	3393	3165	<input type="checkbox"/>			
Intermediate Casing	3543	3015	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 791 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3663	2895	<input type="checkbox"/>			
CHACRA	4272	2286	<input type="checkbox"/>			Est. Top Perf - 4272 (2286)
UPPER CLIFF HOUSE	4934	1624	<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	4956	1602	<input type="checkbox"/>	714		Gas
MENEFEE	5074	1484	<input type="checkbox"/>			
POINT LOOKOUT	5468	1090	<input type="checkbox"/>			
MANCOS	5941	617	<input type="checkbox"/>			
UPPER GALLUP	6614	-56	<input type="checkbox"/>			
PAGUATE	7130	-572	<input type="checkbox"/>			
GREENHORN	7406	-848	<input type="checkbox"/>			
GRANEROS	7465	-907	<input type="checkbox"/>			
TWO WELLS	7489	-931	<input type="checkbox"/>	1950		Gas
UPPER CUBERO	7616	-1058	<input type="checkbox"/>			
LOWER CUBERO	7658	-1100	<input type="checkbox"/>			Est. Btm Perf - 7708 (-1150) based on offset wells
ENCINAL	7729	-1171	<input type="checkbox"/>			TD - 50' Below Top of Encinal
Total Depth	7779	-1221	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 537 cuft. Circulate cement a minimum of 100' inside the previous casing string.

## Reference Wells:

Reference Type	Well Name	Comments
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**BURLINGTON RESOURCES OIL & GAS COMPANY LP.**

**SAN JUAN 27-5 UNIT 128N**

**1509' FSL & 940' FEL**

**LATITUDE: 36.542367° N**

**LONGITUDE: 107.339810° W**

**NAD 83**

**SECTION 27, T-27-N, R-5-W, N.M.P.M.**

**RIO ARRIBA COUNTY, NEW MEXICO**

FROM THE INTERSECTION OF U.S. HIGHWAY 550 AND NORTH FIRST STREET  
IN BLOOMFIELD, NEW MEXICO.

TRAVEL EASTERLY ON US HIGHWAY 64 FOR 36.5 MILES.

TURN RIGHT ONTO GENERAL AMERICAN ROAD AND

PROCEED SOUTHERLY 1.1 MILES.

PROCEED TO THE RIGHT AT A Y-INTERSECTION AND

CONTINUE SOUTHERLY 7.4 MILES TO A 5-WAY INTERSECTION.

PROCEED TO THE LEFT AT 5-WAY INTERSECTION AND CONTINUE

SOUTHEASTERLY 1.2 MILES TO ANOTHER Y-INTERSECTION.

PROCEED TO THE LEFT AND CONTINUE EASTERLY 2.5 MILES ON

GENERAL AMERICAN ROAD THROUGH CARRIZO CANYON.

TURN RIGHT AND PROCEED SOUTHERLY 1.1 MILES

CROSSING CARRIZO WASH

TURN RIGHT AT A 4-WAY INTERSECTION AND TRAVEL WESTERLY 0.4 MILE

TURN LEFT AT A THREE WAY INTERSECTION AND

PROCEED SOUTHERLY 0.3 MILE TO PROPOSED ACCESS ROUTE TO

SAN JUAN 27-5 UNIT 128N WELL LOCATION.