

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 24 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office  
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-079519-A Unit Reporting Number NMNM78411A (NM) NMNM78411B (OK)	
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 28-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name RCVD OCT 17'11 OIL CONS. DIV. DIST. 3	
4. Location of Well Surface: Unit I (NESE), 1814' FSL & 221' FEL  Surface: Latitude: 36.64447° N (NAD83) Longitude: 107.35631° W	10. Field, Pool, Wildcat Blanco MV / Basin DK  11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T28N, R5W  API # 30-039-31081	
14. Distance in Miles from Nearest Town 33 Miles Blanco	12. County San Juan Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 221'		
16. Acres in Lease 2395.610	17. Acres Assigned to Well 320.00 acres - S/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1494' from San Juan 28-5 Unit 47M - MV		
19. Proposed Depth 8055'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6737' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	<u>8/24/11</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Montez

TITLE AFM

DATE 10/12/11

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

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

A NMOC

This action is subject to technical and procedural review pursuant to 43 CFR 3165.9 and appeal pursuant to 43 CFR 3165.4

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

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised July 10, 2010

DISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit one copy to appropriate  
District Office

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-31081	<sup>2</sup> Pool Code 72319/71599	<sup>3</sup> Pool Name BLANCO MESAVERDE/BASIN DAKOTA
<sup>4</sup> Property Code 7460	<sup>5</sup> Property Name SAN JUAN 28-5 UNIT	<sup>6</sup> Well Number 67P
<sup>7</sup> GRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	<sup>9</sup> Elevation 6737'

<sup>10</sup> Surface Location

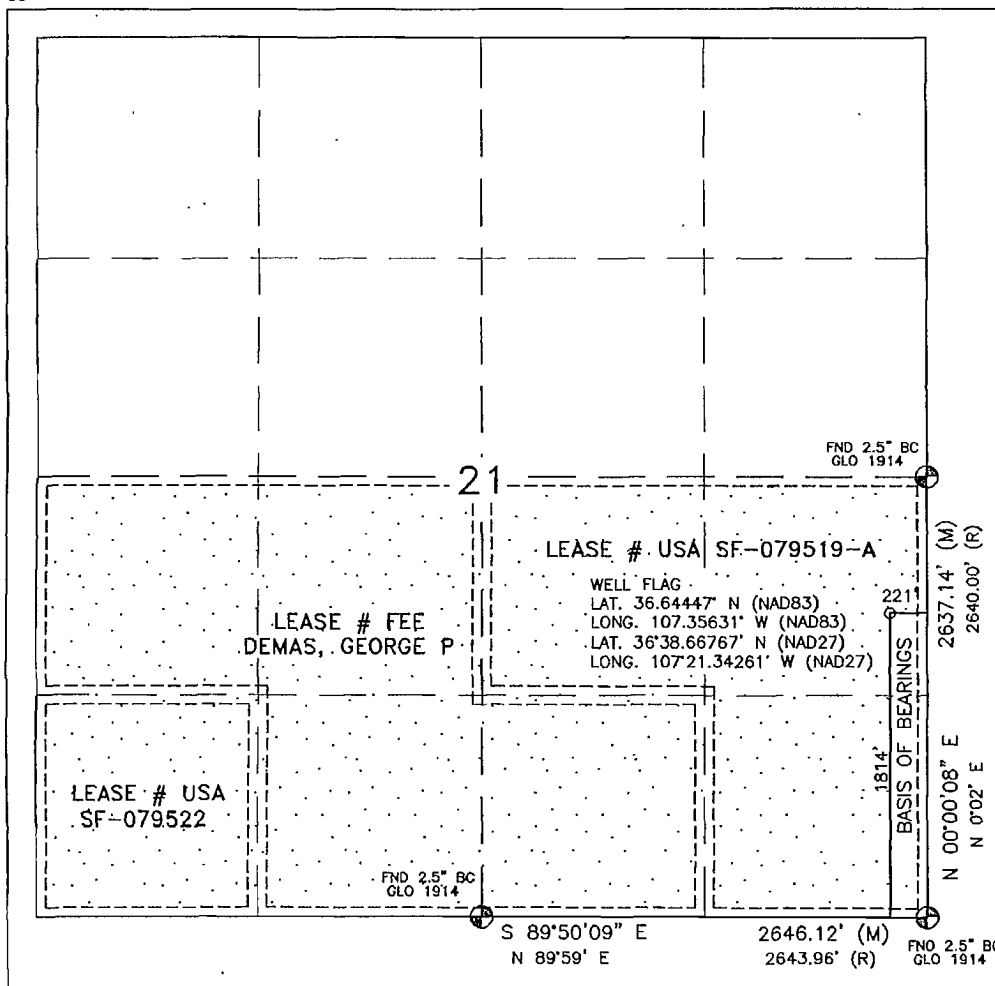
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	21	28N	5W		1814'	SOUTH	221'	EAST	RIO ARRIBA

<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
<sup>12</sup> Dedicated Acres 320.00 ACRES - S/2			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.		

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

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<sup>17</sup> 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Arleen R. Kellywood* 5/2/11  
Signature Date

Arleen R. Kellywood  
Printed Name

E-mail Address

<sup>18</sup> 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.

APRIL 20, 2011

Date of Survey

Signature and Seal of Professional Surveyor:

*David R. Russell*  
DAVID R. RUSSELL  
REGISTERED PROFESSIONAL LAND SURVEYOR  
10201  
Certificate Number 10201

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 67P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0146				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 711		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						
R20076	DAKOTA(R20076)						
R20002	MESAVERDE(R20002)						
<b>Location: Surface</b> <b>Datum: Code NAD 27</b> <b>Straight Hole</b>							
Latitude: 36.644462		Longitude: -107.355709		X:	Y:	Section: 21	Range: 005W
Footage X: 211 FEL		Footage Y: 1814 FSL		Elevation: 6737	(FT)	Township: 028N	
Tolerance: 21							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6752      Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	15	6737		<input type="checkbox"/>			Ground wtr in SJ 28-5 23 (28n 5w 28) @ md: 80', ss: 6610'
Surface Casing	200	6552		<input type="checkbox"/>		45	12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1695	5057		<input type="checkbox"/>			
OJO ALAMO	2916	3836		<input type="checkbox"/>			
KIRTLAND	3088	3664		<input type="checkbox"/>			
FRUITLAND	3203	3549		<input type="checkbox"/>		108	Possible Gas
PICTURED CLIFFS	3626	3126		<input type="checkbox"/>	1124		Lost 200 bbls in SJ 28-5 229 (28n 5w 27).
LEWIS	3736	3016		<input type="checkbox"/>			Lost 100 bbls SJ 28-5 54F (28n 5w 20).
Intermediate Casing	3836	2916		<input type="checkbox"/>		120	8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 864 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4409	2343		<input type="checkbox"/>			
CHACRA	4597	2155		<input type="checkbox"/>			
UPPER CLIFF HOUSE	5396	1356		<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	5396	1356		<input type="checkbox"/>	665	155	Gas
MENEFEE	5480	1272		<input type="checkbox"/>			Lost 300 bbls SJ 28-5 54F (28n 5w 26).
POINT LOOKOUT	5811	941		<input type="checkbox"/>		164	
MANCOS	6302	450		<input type="checkbox"/>			
UPPER GALLUP	6997	-245		<input type="checkbox"/>			
GREENHORN	7746	-994		<input type="checkbox"/>		205	
GRANEROS	7807	-1055		<input type="checkbox"/>			
TWO WELLS	7859	-1107		<input type="checkbox"/>	1961		Gas
PAGUATE	7900	-1148		<input type="checkbox"/>		208	
UPPER CUBERO	7945	-1193		<input type="checkbox"/>			Gas
LOWER CUBERO	7994	-1242		<input type="checkbox"/>			Gas - Bottom perf ~-1283 (~41' below top CBRL) base on offset well. ** Got wet in a # of wells NE of location **

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 67P

DEVELOPMENT

Total Depth	8055	-1303	<input type="checkbox"/>	211	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 574 cuft. Circulate cement a minimum of 100' inside the previous casing string.
OAK CANYON	8056	-1304	<input type="checkbox"/>	211	
ENCINAL	8070	-1318	<input type="checkbox"/>		Gas
BURRO CANYON	8094	-1342	<input type="checkbox"/>		Gas
MORRISON	8121	-1369	<input type="checkbox"/>	215	

## Reference Wells:

Reference Type	Well Name	Comments
Production	SAN JUAN 28-5 UNIT 82	
Production	SAN JUAN 28-5 UNIT 76M	

## Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR CBL.

Mud log ~100' above Gallup down to TD.

Mudlogger will call TD.

Bottom perf ~20' above TD.

## Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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**BURLINGTON RESOURCES OIL & GAS COMPANY LP**

SAN JUAN 28-5 UNIT #67P

1814' FSL & 221' FEL

LOCATED IN THE NE/4 SW/4 OF SECTION 21,

T28N, R5W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

**DIRECTIONS**

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EAST ON HIGHWAY 64 FOR 28 MILES TO THE GENERAL AMERICAN TURN OFF.
- 2) TURN RIGHT ONTO GENERAL AMERICAN AND TRAVEL 1 MILE TO A "Y" INTERSECTION.
- 3) STAY LEFT AND TRAVEL 3.6 MILES.
- 4) TURN LEFT AND TRAVEL 0.7 MILES TO A COMPRESSOR STATION.
- 5) TURN LEFT AND TRAVEL 0.1 MILES.
- 6) TURN LEFT ONTO A ROAD WHERE THE NEW ACCESS IS FLAGGED IMMEDIATELY ON THE RIGHT.

WELL FLAG LOCATED AT LAT. 36.64447° N, LONG. 107.35631° W (NAD 83).

