

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 SF-079192 Unit Reporting Number NMNM-7842B-PC	
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 28-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name RCVD AUG 28 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit I (NESE), 1325' FSL & 355' FEL  Surf: Latitude: 36.65765 N Longitude: 107.48268 W	10. Field, Pool, Wildcat Basin FC/Blanco South PC  11. Sec., Twn, Rge, Mer. (NMPM) Sec. 17, T28N, R6W  API # 30-039-30678	
14. Distance in Miles from Nearest Town 11 mile/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 355'	17. Acres Assigned to Well FC 320.00 (E/2)/PC 160.00 SE/4	
16. Acres in Lease 1,920.00		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 50' from San Juan 28-6 128M (DK/MV)		
19. Proposed Depth 3650'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6630' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	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	
24. Authorized by: <u>James Gardenhire</u> James Gardenhire (Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Mantecosa

TITLE AFM

DATE 8/27/09

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 2

Bond Numbers NMB-000015 and NMB-000089

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

HOLD G104 FOR NLSL in PC  
NMOC

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

SEP 02 2009

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4

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

Form C-102  
Revised October 12, 2005

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

RECEIVED

FEB 17 2009 ☐ AMENDED REPORT

Bureau of Land Management  
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30078	*Pool Code 72439 / 71629	*Pool Name Blanco South Pictured Cliffs BASIN FRUITLAND COAL
*Property Code 7462	*Property Name SAN JUAN 28-6 UNIT	*Well Number 441S
*GRID No 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6630'

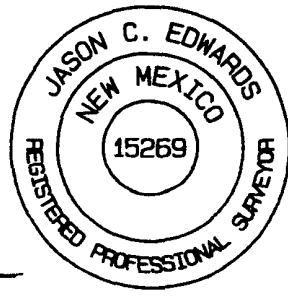
<sup>10</sup> Surface Location

UL or lot no I	Section 17	Township 28N	Range 6W	Lot Idn	Feet from the 1325	North/South line SOUTH	Feet from the 355	East/West line EAST	County RIO ARriba
-------------------	---------------	-----------------	-------------	---------	-----------------------	---------------------------	----------------------	------------------------	----------------------

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

UL or lot no. I	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 160.0 Acres - SE/4 (PC) 320.0 Acres - E/2 (FC)					<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

16	5274.72'	LEASE USA SF-079192	17	5280.00'	5273.40'	SURFACE LOCATION LAT: 36.65765°N LONG: 107.48268°W DATUM: NAD83  LAT: 36°39.4584'N LONG: 107°28.9243'W DATUM: NAD27	1315'	355'	5280.00'	1325'	<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 pooling agreement or a compulsory pooling order heretofore entered by the division.  <i>Crystal Tafoya</i> 2/9/09 Signature Date Crystal Tafoya 2-9-09 Printed Name  <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. Date of Survey: AUGUST 17, 2008 Signature and Seal of Professional Surveyor   <i>JASON C. EDWARDS</i> Certificate Number 15269

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 441S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8187		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762		Prod. Engineer:	
Res. Engineer: Akwari, Bill N		Phone: +1 505-599-4076		Proj. Field Lead:	
				Phone:	

## Primary Objective (Zones):

Zone	Zone Name
UPL	BLANCO PICTURED CLIFFS
JCV	BASIN FRUITLAND COAL (GAS)

## Location: Datum Code: NAD 27

Latitude: 36.657642	Longitude: -107.482076	X:	Y:	Section: 17	Range: 006W
Footage X: 355 FEL	Footage Y: 1325 FSL	Elevation: 6630 (FT)	Township: 028N		
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
---------------------------	-----------------------------	------------------	--------------------

Formation Data: Assume KB = 6642	Units = FT
----------------------------------	------------

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6522	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	2670	3972	<input type="checkbox"/>			
KIRTLAND	2784	3858	<input type="checkbox"/>			
FRUITLAND	3088	3554	<input type="checkbox"/>	500	Gas	
PICTURED CLIFFS	3450	3192	<input type="checkbox"/>		Gas	
Total Depth	3650	2992	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 561 cuft. Circulate cement to surface.

## Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 28-6 128M	SE17 28-6

## 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
Run platform express over the PC per RAM - minimum footage.

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

Comments: Location/Tops/Logging - FC/PCNM028N006W17SE1 Twinning option at SJ 28-6 Unit 128M (MV/DK), else prefer I, J, P, O. Topo could be an issue.

Zones - FC/PCNM028N006W17SE1

General/Work Description - UPE  
SCHREIBER

07/16/08 RAM: This location extends a trend in the PC. RAM wants openhole logs. B.Koerschner/T.Gibbons  
01-07-09 Drilling cost split should be 47% FTC/ 53%PC RPC

Printed on: 2/12/2009 10:03:22 AM



**Directions from the Intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM**  
**to Burlington Resources Oil & Gas Company San Juan 28-6 Unit #441S**  
**1325' FSL & 355' FEL, Section 17, T28N, R6W, N.M.P.M., Rio Arriba County, NM**

**Latitude: 36.65765°N Longitude: 107.48268°W Datum: NAD1983**

From the intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 31.9 miles to the San Juan 29-6 Water Well #1 @ Milepost 96.3;

Go right (South-easterly) on Trunk-L Road for 2.0 miles to fork in road;

Go right (South-westerly) for 1.3 miles to fork in road at top of Snake Hill;

Go right (North-westerly) for 1.7 miles to fork in road;

Go left (South-westerly) for 0.4 miles to fork in road;

Go left (South-easterly) for 0.2 miles to fork in road;

Go right (South-westerly) for 0.6 miles to fork in road;

Go left which is straight (Southerly) for 0.1 miles to 4-way intersection;

Go left (South-easterly) @ 4-way intersection for 0.8 miles to staked location which overlaps an existing wellpad.