

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 17 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 USA SF-077231 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 RCVD APR 15 '11 OIL CONS. DIV. DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Shaw 9. Well Number 100	
4. Location of Well Surface: Unit A(NENE), 711' FNL & 1086' FEL Surface: Latitude: 36.816485° N (NAD83) Longitude: 107.726937° W	10. Field, Pool, Wildcat Blanco FS/Basin FC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 13, T30N, R9W API # 30-045-35260	
14. Distance in Miles from Nearest Town 18.9 Miles from Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 711'		
16. Acres in Lease 320.00 Acres	17. Acres Assigned to Well 160 Acres-NE/4 (FS) 320 Acres-N/2 (FC)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 71.6' from Shaw 1R (MV)		
19. Proposed Depth 2901'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5901' GL	22. Approx. Date Work will Start This action is subject to technical and procedural review pursuant to 43 CFR 3185.3 and appeal pursuant to 43 CFR 3185.4	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	<u>2-16-11</u> Date	

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 2

Bond Numbers NMB-000015 and NMB-000089

APR 29 2011

NMOCD

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

RECEIVED

Form C-102

Revised July 16, 2010

FEB 17 2011 Submit one copy to appropriate
District Office

Farmington Field Office
Bureau of Land Management

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30-045- 35260	² Pool Code 72280/71629	³ Pool Name Basin Blanco FRUITLAND SAND / FRUITLAND COAL
⁴ Property Code 7503	⁵ Property Name SHAW	⁶ Well Number 100
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5901

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
A	13	30-N	9-W		711	NORTH	1086	EAST	SAN JUAN

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
A									

¹² Dedicated Acres FS - 160.0 - NE/4 FC - 320.0 - N/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

<p>¹⁶</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>Brandie Blakley</i> 10/17/10 Signature Date</p> <p>Brandie Blakley Printed Name</p> <p>Staff Regulatory Tech Title and E-mail Address</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: 10/05/10 Signature and Seal of Professional Surveyor:</p> <p><i>[Signature]</i> 10/14/10</p> <p>Certificate Number: NM 11393</p>		

PROJECT PROPOSAL - New Drill / Sidetrack

SHAW 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0109		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
R20001	FRUITLAND COAL(R20001)
RCO087	FRUITLAND SAND(RCO087)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.816480	Longitude: -107.726322	X:	Y:	Section: 13	Range: 009W
Footage X: 1086 FEL	Footage Y: 711 FNL	Elevation: 5901	(FT)	Township: 030N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2013	Completion Date:	Date In Operation:
---------------------------	-----------------------------	------------------	--------------------

Formation Data: Assume KB = 5916	Units = FT
----------------------------------	------------

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5796		<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
NACIMIENTO	128	5788		<input type="checkbox"/>			
OJO ALAMO	1446	4470		<input type="checkbox"/>			
KIRTLAND	1590	4326		<input type="checkbox"/>			
FRUITLAND	2078	3838		<input type="checkbox"/>			Gas
FRUITLAND COAL	2303	3613		<input type="checkbox"/>			
PICTURED CLIFFS	2701	3215		<input type="checkbox"/>	790		Gas; TD - 200' below T/PCCF
Total Depth	2901	3015		<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 389 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Johnston Federal 3A	30N 9W 12 SW NE SE
Production	Shaw 250	30N 9W 13 NW SE NE
Production	Shaw 1Y	30N 9W 13 NE NE

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 open hole logs required at TD.
Cased Hole GR / CBL

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

Comments:

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SHAW 100

711' FNL, 1086' FEL

SECTION 13, T-30-N, R-9-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

NAD 83 LAT.: 36.816485°N LONG.: 107.726937°W

ELEV.: 5901 NAVD88

NO NEW ACCESS

FROM AZTEC, NM, INTERSECTION HWY 550 & HWY 516 (SAFEWAY STORE).

GO 1.0 MILES NORTH ON HWY 550 TO HWY 173 TOWARD NAVAJO LAKE,
AND THEN TURN RIGHT ON HWY 173.

GO 15.3 MILES EAST ON HWY 173 TO COUNTY ROAD 4600, AND THEN
TURN LEFT.

GO 2.3 MILES NORTH ON COUNTY ROAD 4600. AND THEN TURN RIGHT.

GO 0.3 MILES EAST AND SOUTH TO EXISTING BURLINGTON WELL
LOCATION SHAW 1R. PROPOSED SHAW 100 WILL BE STAKED AS A
TWINNED WELL HERE.