

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DEC 20 2010

1a. Type of Work DRILL	5. Lease Number SF-080844 Unit Reporting Number Farmington Field Office Bureau of Land Management
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV.
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Rhodes B 9. Well Number 101S DIST. 3
4. Location of Well Surface: Unit F (SENW), 1792' FNL & 1395' FWL Surface: Latitude: 36.6500279° N (NAD83) Longitude: 108.0314229° W	10. Field, Pool, Wildcat West Kutz PC/Basin FC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 20, T28N, R11W API # 30-045- 35222
14. Distance in Miles from Nearest Town 8 Miles from Bloomfield, NM	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1395'	
16. Acres in Lease 1,911.240 <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	17. Acres Assigned to Well 160 Acres (NW/4) PC 320 Acres (W/2) FC
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1667' from Rhodes B 101 (FC/PC)	
19. Proposed Depth 1741'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5624' GL	22. Approx. Date Work will Start DILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	<u>12-17-10</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 10/28/11

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

NMOCU

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

NOV 07 2011

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

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102

Revised October 12, 2005

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Submit to Appropriate District Office
DEC 20 2010 State Lease - 4 Copies

Fee Lease - 3 Copies

Farmington Field Office
Bureau of Land Management

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35222	² Pool Code 79680/71629	West Kutz PICTURED CLIFFS / FRUITLAND COAL	³ Pool Name Basin
⁴ Property Code 13574	⁵ Property Name RHODES B		⁶ Well Number 101S
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 5624

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
F	20	28 N	11 W		1792	NORTH	1395	WEST	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
¹² Dedicated Acres 160 (NW/4) PC 320.00 (W/2) FC		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

2638.99' (CALC.) N 0°02'04" E 1395' USA SF-080844 SECTION 20	18 S 89°56'35" E 2643.32' (CALC.) 1792'	N 89°56'51" E 2642.61'	2636.57' N 0°08'59" E Signature: Ethel Tally Date: 3/19/10 Printed Name: Ethel Tally	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.
	LAT: 36.6500279° N LONG: 108.0314229° W NAD 83 LAT: 36°39.00131' N LONG: 108°01.84794' W NAD 27			
2637.16' N 0°09'19" E S 89°59'45" W 2640.90'	NOTE: BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83.	2638.86' N 0°09'51" E S 89°59'35" W 2639.29'	2638.86' N 0°09'51" E 17078 Certificate Number	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.
				3/05/10 Date of Survey Signature and Seal of Registered Surveyor: MARSHALL W. LINDEN NEW MEXICO LICENSED SURVEYOR 17078 PROFESSIONAL SURVEYOR

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

RHODES B 101S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0023		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)
R20003	PICTURED CLIFFS(R20003)
RCO087	FRUITLAND SAND(RCO087)

Location: Surface		Datum/Code: NAD 27		Straight Hole	
Latitude: 36.651324	Longitude: -108.030901	X:	Y:	Section: 20	Range: 011W
Footage X:	Footage Y:	Elevation:	(FT)	Township: 028N	
Tolerance:					

Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5639		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5519		<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	297	5342		<input type="checkbox"/>			
KIRTLAND	483	5156		<input type="checkbox"/>			
FRUITLAND	1056	4583		<input type="checkbox"/>			Gas
FRUITLAND COAL	1337	4302		<input type="checkbox"/>			
PICTURED CLIFFS	1541	4098		<input type="checkbox"/>	286	92	Gas; TD - 200' below T/PCCF
Total Depth	1741	3898		<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 234 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	RHODES B 101	

Logging Program:

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

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

Additional Information:

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

RHODES B 101S

1792' FNL & 1395' FWL

LATITUDE: 36.6500279° N

LONGITUDE: 108.0314229° W

NAD 83

SECTION 20, T-28-N, R-11-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND
U.S. HIGHWAY 550 IN BLOOMFIELD, NEW MEXICO.

TRAVEL SOUTHERLY 5.4 MILES ON U.S. HIGHWAY 550.

TURN RIGHT AND TRAVEL WESTERLY 0.2 MILE.

TURN LEFT AT "Y" INTERSECTION AND CONTINUE 0.5 MILE INTO HORN CANYON.

TURN RIGHT AT "Y" INTERSECTION AND TRAVEL NORTHWESTERLY 0.4 MILE.

TURN RIGHT AND FOLLOW PIPELINE CORRIDOR FOR APPROXIMATELY 200 FEET,
THEN TURN LEFT, CROSS CORRIDOR AND CONTINUE NORTHWESTERLY 0.7 MILE

TO PROPOSED ACCESS ROAD
AND PROPOSED RHODES B 101S WELL LOCATION.