

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 27 2007

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number Navajo I-149-IND-8468 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD MAR 17'11	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name 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 Navajo B 9. Well Number #6N	
4. Location of Well Surf: Unit K (NESW), 1785' FSL & 1675' FWL Surf: Latitude 36° 33.4815 N Longitude 107° 43.4909 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 19, T27N, R8W API # 30-045-34444	
14. Distance in Miles from Nearest Town 30 mile/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 700'		
16. Acres in Lease	17. Acres Assigned to Well MV/DK 321.44 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg. Compl. or Applied for on this Lease 601' from Navajo Indian B 3		
19. Proposed Depth 6641'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6033' GL	22. Approx. Date Work will Start LM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATION ON FEDERAL AND INDIAN LANDS 9-27-07 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)		

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 3/18/11

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 4

Bond Numbers NMB-000015 and NMB-000089

MAR 30 2011

NMOCD

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

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

A COMPLETE C-144 MUST BE SUBMITTED TO AND
APPROVED BY THE NMOCD FOR: A PIT, CLOSED
LOOP SYSTEM, BELOW GRADE TANK, OR
PROPOSED ALTERNATIVE METHOD, PURSUANT TO
NMOCD PART 19.15.17, PRIOR TO THE USE OR
CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

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

DISTRICT III
1630 Rio Brazos Rd., Artesia, N.M. 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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34444		² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESA VERDE
⁴ Property Code 7347	⁵ Property Name NAVAJO B		⁶ Well Number 8N
⁷ GRND No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		⁹ Elevation 5033'

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
K	19	27-N	8-W		1735'	SOUTH	1675'	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
K									
¹² Dedicated Acres 321.440 W/2			¹³ Joint or L&L		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

LOT 1 NAVAJO I-149-IND-0488			
LOT 2 LAT: 36°33'46.15" N. LONG: 107°43'48.09" W. NAD 1983 LAT: 36°55'00.34" N. LONG: 107°25'48.1" W. NAD 1983			
LOT 3 1675'		19 1735'	
LOT 4 N 0° 00' 30" E 2544.69' S 37° 27' 33" E 2544.69'			

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 retained mineral interest in the land including the proposed bottom hole location or has a right to drill the well of this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

7/6/07

Kendis Roland
Signature
Kendis Roland
Printed Name

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.

6-28-07
Date of Survey

G. W. Russell
Signature and Title
GUY W. RUSSELL
NEW MEXICO
LICENSED PROFESSIONAL SURVEYOR
15703

Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NAVAJO B 6N

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.5833/5834DK				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: XXX 2009 Vertical		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.558025		Longitude: -107.724848		X:	Y:	Section: 19	Range: 008W
Footage X: 1675 FWL		Footage Y: 1785 FSL		Elevation: 6033 (FT)	Township: 027N		
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6045 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	320	5725	☐			12-1/4" hole. 8-5/8", 24 ppf, J-55, STC casing. Cement with 319 cu ft. Circulate cement to surface.	
OJO ALAMO	1244	4801	☐				
KIRTLAND	1290	4755	☐				
FRUITLAND	1880	4165	☐			Possible Gas	
PICTURED CLIFFS	2042	4003	☐				
LEWIS	2177	3868	☐				
HUERFANITO BENTONITE	2525	3520	☐				
CHACRA	2945	3100	☐				
MASSIVE CLIFF HOUSE	3633	2412	☐	800		Gas	
MENEFEE	3715	2330	☐				
MASSIVE POINT LOOKOUT	4322	1723	☐				
MANCOS	4657	1388	☐				
UPPER GALLUP	5505	540	☐				
GREENHORN	6300	-255	☐				
GRANEROS	6361	-316	☐				
TWO WELLS	6400	-355	☐	1600		Gas	
PAGUATE	6467	-422	☐				
CUBERO	6525	-480	☐				
ENCINAL	6599	-554	☐				
TOTAL DEPTH DK	6641	-596	☐			7-7/8" hole. 4-1/2", 10.5 ppf, J-55, STC casing. Cement with 1980 cu ft. Circulate cement to surface.	
Reference Wells:							
Reference Type	Well Name			Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NAVAJO B 6N

DEVELOPMENT

Logging Program:

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

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

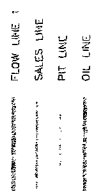
GR/CBL. Mud log from ~100 above the Greenhorn to TD. TD should be ~341' below the top of Greenhorn.

Additional Information:

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

Comments: Location/Tops/Logging - DK 27N08W19SW2 AND MVNM027N008W19SW2. Est bottom perf: -574' subsea

Zones - DK 27N08W19SW2
MVNM027N008W19SW2



2 OF 20 SHEETS

2 OF 20 SHEETS

[illegible]

Directions from the Intersection of Hwy 550 &
Hwy 64 in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP
NAVAJO B 6N
1785' FSL & 1675' FWL,
Section 19, T27N, R8W, N.M.P.M., San Juan County,
New Mexico

From the Intersection of Hwy 550 &
Hwy 64 in Bloomfield, NM

Take Hwy 550 (south) for 15.8 miles to CR 7225
Turn left (east) on CR 7225 for 4.5 miles,
Turn right (easterly) 4.2 miles,
Turn right (southerly) 0.1 miles
Turn left (easterly) 2.4 miles
Turn left (northerly) 0.6 miles
Turn right (easterly) 0.6 miles,
Turn left (northerly) 0.2 miles,
Turn right (easterly) across Blanco Wash 0.4 miles,
Turn left (northerly) 1.9 miles to new location
On the right (east) side of the road.