

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

MAY 11 2010

1a. Type of Work DRILL	5. Lease Number SF-078439 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 RCUD JUN 22 '10 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 Johnston Federal 9. Well Number 9M	
4. Location of Well Unit B (NWNE), 695' FNL & 1406' FEL Latitude: 36.859924° N (NAD83) Longitude: 107.746093° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 35, T31N, R9W API # 30-045- 35157	
14. Distance in Miles from Nearest Town 21 miles / Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 695'	17. Acres Assigned to Well 315.92 E/2 - MV/DK	
16. Acres in Lease 2,434.230	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1263' from Johnston Federal 23S (FC)	
19. Proposed Depth 7370'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5975' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>5/11/2010</u>	

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 3

Bond Numbers NMB-000015 and NMB-000089

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

JUN 24 2010

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

MAY 11 2010

Bureau of Land Management
Farmington Field Office

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35151		² Pool Code 71599 / 72319		³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE	
⁴ Property Code 7208		⁵ Property Name JOHNSTON FEDERAL			⁶ Well Number 9M
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 5975

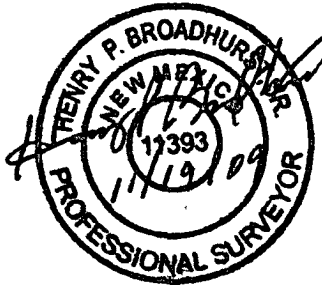
¹⁰ SURFACE LOCATION

UL or lot no. B	Section 35	Township 31-N	Range 9-W	Lot Idn	Feet from the 695	North/South line NORTH	Feet from the 1406	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. B	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 315.92 (E/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

¹⁶ LOT 4 WELL FLAG NAD 83 LAT: 36.859924° N LONG: 107.746093° W NAD 27 LAT: 36°51.595205' N LONG: 107°44.728614' W		LOT 3 BLM 1966 N 89°16'02" W N 89°13' W 695'		2609.9' (M) 2609.6' (R) BLM 1966		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. Signature Crystal Tafoya Printed Name Regulatory Tech Title and E-mail Address February 12, 2010 Date
LOT 5		LOT 6		LOT 7		
LOT 12		LOT 11		E/2 DEDICATED ACREAGE USA SF-078439 SECTION 35, T-31-N, R-9-W BLM 1966		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. Date of Survey: 10/22/09 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393
LOT 13		LOT 14		LOT 15		
LOT 16		LOT 17		LOT 18		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JOHNSTON FEDERAL 9M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9327		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: XXX 2010 Holding		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
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: 36.859920	Longitude: -107.745477	X:	Y:	Section: 35	Range: 009W
Footage X: 1406 FEL	Footage Y: 695 FNL	Elevation: 5975 (FT)	Township: 031N		
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 5990 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	5790	☐		
NACIMIENTO	244	5746	☐		
OJO ALAMO	1533	4457	☐		
KIRTLAND	1642	4348	☐		
FRUITLAND	2264	3726	☐		Possible Gas
PICTURED CLIFFS	2812	3178	☐		
LEWIS	2946	3044	☐		
Intermediate Casing	3046	2944	☐		
HUERFANITO BENTONITE	3518	2472	☐		
CHACRA	3870	2120	☐		
UPPER CLIFF HOUSE	4327	1663	☐		Gas; Est. Top Perf - 4326 (1661)
MASSIVE CLIFF HOUSE	4608	1382	☐	134	Gas
MENEFEE	4672	1318	☐		
POINT LOOKOUT	5034	956	☐		
MANCOS	5360	630	☐		
UPPER GALLUP	6324	-334	☐		
GREENHORN	7056	-1066	☐		
GRANEROS	7108	-1118	☐		
TWO WELLS	7168	-1178	☐	3120	Gas
PAGUATE	7242	-1252	☐		
UPPER CUBERO	7281	-1291	☐		
LOWER CUBERO	7300	-1310	☐		Est. Btm Perf - 7350 (-1360) based on offset wells
ENCINAL	7350	-1360	☐		TD - 20' below T/ENCN
Total Depth	7370	-1380	☐		6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 588 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:					

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JOHNSTON FEDERAL 9M

DEVELOPMENT

Reference Type	Well Name	Comments
Production	Hunsacker 2A	31N 9W 26 NW SE SE
Production	Hunsacker 726S	31N 9W 26 SE
Production	State Com I 5B	31N 9W 36 SW NW NW
Production	Johnston Federal 9	31N 9W 35 NW SE NE
Production	Johnston Federal 5	31N 9W 35 SW NE NE

Logging Program:

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

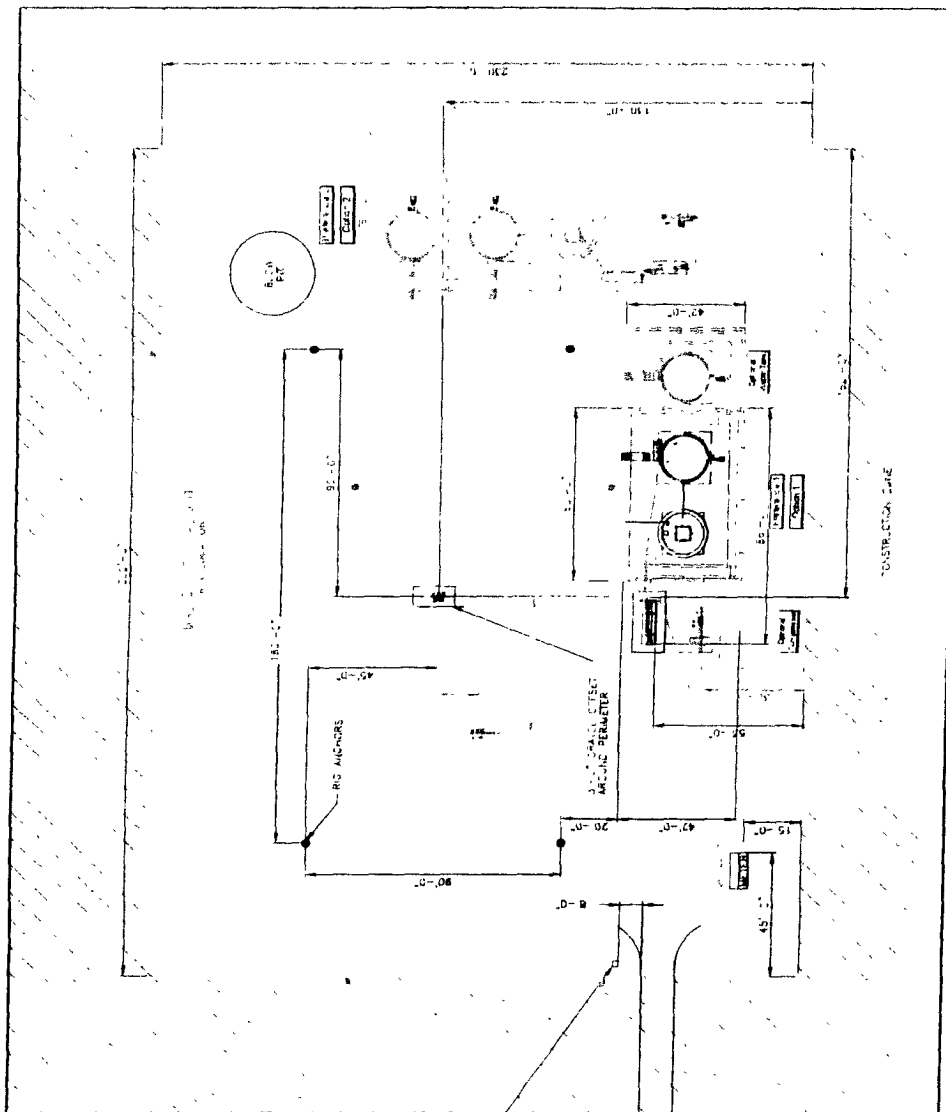
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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FROM ELEV. 1
SALES ILL.
PIT 1' x 4'
ON 1/4"

ALL DIMENSIONS ARE IN FEET AND INCHES
ALL DIMENSIONS ARE TO THE CENTERLINE OF THE ROAD

CenocoPhillips										SAN JUAN BUSINESS UNIT									
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

**JOHNSTON FEDERAL 9M
695' FNL, 1406' FEL
SECTION 35, T-31-N, R-9-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
NAD 83 LAT.: 36.859924°N LONG.: 107.746093°W
ELEV.: 5975 NAVD88
NEW ACCESS 70.1'**

FROM THE INTERSECTION OF HWY 550 & HWY 516 IN AZTEC, N.M.:

- GO NORTH 1.1 MI. ON HWY 550 TO HWY 173 INTERSECTION, TURN RIGHT
- GO EAST 15.4 MI. TO C.R. 4600. TURN LEFT
- GO 2.4 MI. NORTH ON C.R. 4600 TO Y-INT. TURN LEFT.
- GO 2.7 MI. WEST AND NORTH ALONG THE EAST SIDE OF PUMP CANYON. TURN LEFT
- GO 0.5 MI. WEST, CROSSING PUMP CANYON. TURN RIGHT
- GO 0.4 MI. NORTH. BEGIN NEW 70.1' ACCESS ON RIGHT SIDE, 240 FEET SOUTH OF A LINE DRIP TANK SITE.