

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK JUN 29 2009

1a. Type of Work DRILL	5. Lease Number SF-078138 Bureau of Land Management Farmington Field Office 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 NMNM 85782 RCVD JUL 23 '09	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name MORRIS A COM 9. Well Number 4S DIST. 3	
4. Location of Well Surf: Unit I (NESE), 1475' FSL & 1245' FEL Surf: Latitude: 36.809099° N (NAD83) Longitude: 107.973718° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 15, T30N, R11W API # 30-045-35004	
14. Distance in Miles from Nearest Town 4.2 miles/Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1245'	17. Acres Assigned to Well FC 317.66 (E/2)	
16. Acres in Lease 2063.26		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52.2' from Morris A 132		
19. Proposed Depth 2503'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5873' GL	22. Approx. Date Work will Start 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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Tracey N. Monroe (Staff Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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".

JUL 28 2009

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.8
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
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies
JUN 29 2009

Bureau of Land Management
Farmington Field Office
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045- 35004		2 Pool Code 71629		3 Pool Name Basin FRUITLAND COAL	
4 Property Code 7328		5 Property Name MORRIS A COM			6 Well Number 4S
7 OGRID No 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			9 Elevation 5873

10 SURFACE LOCATION


UL or lot no. I	Section 15	Township 30-N	Range 11-W	Lot Idn 3	Feet from the 1475	North/South line SOUTH	Feet from the 1245	East/West line EAST	County SAN JUAN
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11 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
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12 Dedicated Acres 317.66 (E1/2)	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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		B	1	BLM 1969 5195.5' (R) 5191.0' (M)	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. <i>James Gardenhire</i> Signature James Gardenhire Printed Name Regulatory Technician Title and E-mail Address 10/27/08 Date	
		G	2			E/2 DEDICATED ACREAGE USA SF-078138 SECTION 15, T-30-N, R-11-W
	WELL FLAG NAD 83 LAT: 36.809099° N LONG: 107.973718° W NAD 27 LAT: 36°48.545731' N LONG: 107°58.385733' W	4	3			
		O	P			1245'
		1475'	11'13" W N 1'08'44" W		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: 10/15/08 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393	

PROJECT PROPOSAL - New Drill / Sidetrack

MORRIS A 4S

DEVELOPMENT

Lease:		AFF #: WAN.CDR.8368		AFF \$: 754,100.53	
Field Name: SAN JUAN	Rig: XXX 2010 Holding Rig	State: NM	County: SAN JUAN	API #:	
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)

Location: 30N-11W15 NE SW		Datum Code: NAD 83		Section: 15		Range: 011W	
Latitude: 36.809095	Longitude: -107.973095	X:	Y:	Footage X: 1245 FEL	Footage Y: 1475 FSL	Elevation: 5873 (FT)	Township: 030N

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2011	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 5889 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5689	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 77 cuft. Circulate cement to surface.
OJO ALAMO	916	4973	<input type="checkbox"/>			
KIRTLAND	1028	4861	<input type="checkbox"/>			
FRUITLAND	1721	4168	<input type="checkbox"/>	200		Gas
FRUITLAND COAL	2061	3828	<input type="checkbox"/>			
PICTURED CLIFFS	2303	3586	<input type="checkbox"/>			Gas; TD - 200' Below T/PCCF
Total Depth	2503	3386	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 382 cuft. Circulate cement to surface.

Reference Wells

Reference Type	Well Name	Comments
Production	Bruington-15-E	30N-11W15 NW SE NW
Production	Federal-Pubco Unit 1	30N-11W14 SW SW
Production	Federal 14-3	30N-11W14 NE SW SW
Production	FC Fed Com-15	30N-11W15 SE NW SW

Logging Programs

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

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

Cased Hole 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

MURPHY A 4S

1475' FSL, 1245' FEL

SECTION 15, T-30-N, R-11-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

NAD 83 LAT.: 36.809099°N LONG.: 107.973718°W

ELEV.: 5873 NAVD88

NEW ACCESS 158.5'

FROM AZTEC, NM AT THE INTERSECTION OF HWY. 550 AND AZTEC
BLVD. (NM ST. HWY 516)

- TURN SOUTH ON HWY. 550 AT CONOCO SUNDIAL/SAFEWAY STORE.
- GO 1.85 MI. TURN LEFT OFF EAST SIDE OF HWY. 550.
- GO 0.42 MI. NORTHEAST. TURN RIGHT.
- GO 0.3 MI. SOUTHEAST TO INTERSECTION AND TURN LEFT.
- GO 1.0 MI. AND TURN RIGHT PAST THE WASH.
- GO 0.6 MI. STAY STRAIGHT TO THE BROG MORRIS A 13A. STAKED WELL IS TWINNED HERE.