

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FEB 11 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-080113 Unit Reporting Number NMNM-83982-MV NMNM-73841 DK	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name RCVD MAR 5 '09 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 Ross Federal 9. Well Number 1N	
4. Location of Well Surf: Unit P (SESE), 920' FSL & 1130' FEL, BHL: Unit I (NESE), 1900' FSL & 1300' FEL Surf: Latitude 36.79288'N Longitude 107.95543'W BHL: Latitude 36.79558'N Longitude 107.95600'W	10. Field, Pool, Wildcat Basin DK / Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) P Sec. 23, T30N, R11W API # 30-045-34909	
14. Distance in Miles from Nearest Town 5 miles/Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 920'		
16. Acres in Lease 315.770 Acres	17. Acres Assigned to Well DK 317.20 (E/2) MV 318.48 (S/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from the Ross Federal LM		
19. Proposed Depth 7104'	 H ₂ S POTENTIAL EXIST	
21. Elevations (DF, FT, GR, Etc.) 6045' GL	22. Rotary or Cable Tools Rotary	
23. Proposed Casing and Cementing Program See Operations Plan attached	22. Approx. Date Work will Start	
24. Authorized by: <i>James Gardenhire</i> James Gardenhire (Regulatory Technician)	LMS 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 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY *H. Montecinos*

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 3

Bond Numbers NMB-000015 and NMB-000089

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

MAR 09 2009

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
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
Instructions on back
State District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED

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AMENDED REPORT
Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34909	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 25005	*Property Name ROSS FEDERAL	*Well Number 1N
*GRID No 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6045'

¹⁰ Surface Location

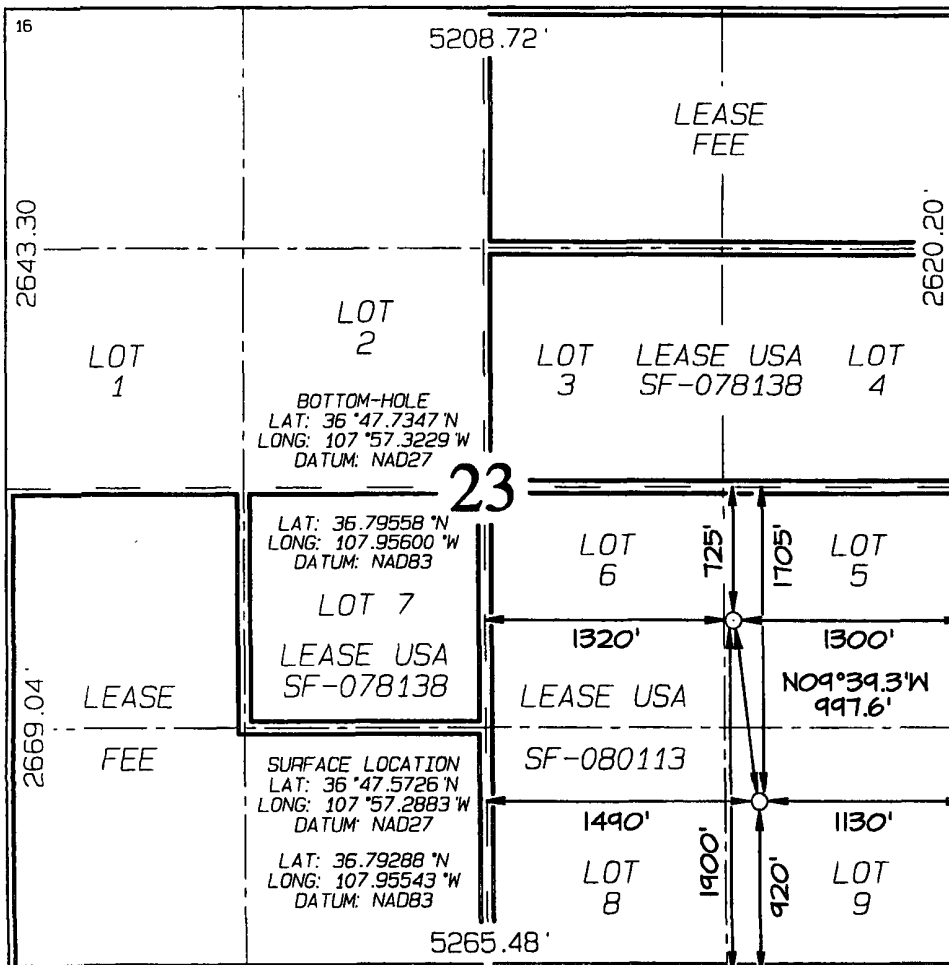
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	30N	11W	(9)	920	SOUTH	1130	EAST	SAN JUAN

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
I	23	30N	11W	(5)	1900	SOUTH	1300	EAST	SAN JUAN

¹² Dedicated Acres	318.48 Acres (S/2) - MV	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
	317.20 Acres (E/2) - DK			

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



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.

James Gardenhire 12/05/08
Signature Date

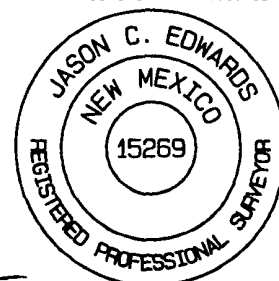
James Gardenhire
Printed Name

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

Survey Date: OCTOBER 23, 2008

Signature and Seal of Professional Surveyor



Jason C. Edwards
Certificate Number 15269

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ROSS FEDERAL 1N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8029		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		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					
Latitude: 36.792876		Longitude: -107.954808		X:	Y:
Footage X: 1130 FEL		Footage Y: 920 FSL		Elevation: 6045 (FT)	Section: 23 Range: 011W
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27					
Latitude: 36.795576		Longitude: -107.955378		X:	Y:
Footage X: 1300 FEL		Footage Y: 1900 FSL		Elevation: (FT)	Section: 23 Range: 011W
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:	
Formation Data: Assume KB = 6060		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	5860	☐		
OJO ALAMO	1100	4960	☐		
KIRTLAND	1210	4850	☐		
FRUITLAND	1925	4135	☐		Possible Gas
PICTURED CLIFFS	2470	3590	☐		
LEWIS	2638	3422	☐		
HUERFANITO BENTONITE	3235	2825	☐		
CHACRA	3500	2560	☐		
MASSIVE CLIFF HOUSE	4285	1775	☐	751	Gas
MENELEE	4285	1775	☐		
Intermediate Casing	4435	1625	☐		
POINT LOOKOUT	4795	1265	☐		
MANCOS	5188	872	☐		
UPPER GALLUP	6045	15	☐		
GREENHORN	6771	-711	☐		
GRANEROS	6819	-759	☐		
TWO WELLS	6875	-815	☐	1282	Gas
PAGUATE	6948	-888	☐		
CUBERO	6996	-936	☐		
ENCINAL	7046	-986	☐		
Total Depth	7104	-1044	☐		

12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.

Possible Gas

8 3/4" Hole. 7", 20 ppf, J-55, LTC Casing. Cement with 1037 cuft. Circulate cement to surface.

6-1/4" hole, 4-1/2" 11.6 ppf, J-55/ L-80, LTC casing. Cement w/ 368 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ROSS FEDERAL 1N

DEVELOPMENT ➡

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
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Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD. Est bottom perf ~20' above the est TD.

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

Comments: Location/Tops/Logging - MV/DKNM030N011W23SE2 Twin Schram 1 (PC),no other wells in 1/4, prefer J,P,O,I, topo may be a problem.

Zones - MV/DKNM030N011W23SE2

General/Work Description - 1/16/09-MPM: Well was moved to avoid closed-loop drilling. Apply for pit.

NO LEWIS

7/31/08-is economic as DD per MMegorden wfp (Doc Mgmt)

Drilling cost without closed loop is \$137/ft, reason is setting 7" csg deeper, ADG / 01/08/2009

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well-Ross Federal #1M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6060.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6060.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Ross Federal #1M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,100.0	1,100.0	Ojo		0.00		
1,210.2	1,210.0	Kirtland		0.00		
1,941.9	1,925.0	Fruitland		0.00		
2,526.6	2,470.0	Pictured Cliffs		0.00		
2,707.3	2,638.0	Lewis		0.00		
3,349.2	3,235.0	Huerfano Bentonite		0.00		
3,634.1	3,500.0	Chacra		0.00		
4,453.4	4,285.0	Mass Cliffhouse		0.00		
4,453.4	4,285.0	Menefee		0.00		
4,963.5	4,795.0	Point Lookout		0.00		
5,356.5	5,188.0	Mancos		0.00		
6,213.5	6,045.0	Upper Gallup		0.00		
6,939.5	6,771.0	Greenhorn		0.00		
6,987.5	6,819.0	Graneros		0.00		
7,043.5	6,875.0	Two Wells		0.00		
7,116.5	6,948.0	Paguate		0.00		
7,164.5	6,996.0	Cubero		0.00		
7,214.5	7,046.0	Encinal		0.00		

Directions from the Intersection of US Hwy 550 North & US Hwy 64 in Bloomfield, NM
to Burlington Resources Oil & Gas Company Ross Federal #1N

920' FSL & 1130' FEL, Section 23, T30N, R11W, N.M.P.M., San Juan County, NM

Latitude: 36.79288°N Longitude: 107.95543°W Datum: NAD1983

From the intersection of US Hwy 550 North & US Hwy 64 in Bloomfield, NM, travel Northerly on US Hwy 550 for 4.5 miles to Mile-post 156.1;

Go right (North-easterly) for 0.3 miles to fork in road;

Go left which is straight (North-easterly) for 0.9 miles to 4-way intersection;

Go straight (North-easterly) @ 4-way intersection for 0.7 miles to fork in road;

Go right (South-easterly) for 0.1 miles to staked location which overlaps an existing wellpad.