

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 30 2008

Bureau of Land Management  
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA NM-2996 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name RCVD FEB 2 '09 GL CONS. DIV.	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name Burnt Mesa 9. Well Number #1M	
4. Location of Well Unit O (SWSE), 660' FSL & 1365' FEL  Latitude 36.945728 N Longitude 107.513916 W	10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) N Sec. 25, T32N, R7W  API # 30-045-34730	
14. Distance in Miles from Nearest Town 19 mile/Ignacio	12. County <del>Rio Arriba</del> SANCHEZ	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	17. Acres Assigned to Well 320 (S/2)	
16. Acres in Lease 320.00	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1177' from Burnt Mesa 1A/MV	22. Approx. Date Work will Start	
19. Proposed Depth 8094'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6335' GL 6460	24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	
		<u>5-30-08</u> Date

PERMIT NO.	APPROVAL DATE
APPROVED BY <u>[Signature]</u>	TITLE <u>Petr. Eng</u> DATE <u>1/29/09</u>

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

This action is subject to technical and procedural review pursuant to 43 CFR 161.6 and appeal pursuant to 43 CFR 3165.4

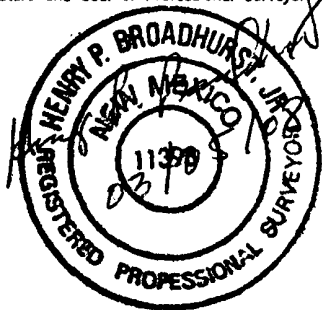
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

FEB 05 2009

NMOCD

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

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

<p>16</p>	<p>17</p>	<h3 style="text-align: center;">OPERATOR CERTIFICATION</h3> <p><i>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></p> <p><u>Crystal Walker</u>      <u>3/7/08</u></p> <p>Signature</p> <p><u>Crystal Walker</u></p> <p>Printed Name</p> <p><u>Regulatory Technician</u></p> <p>Title and E-mail Address</p> <p><u>March 7, 2008</u></p> <p>Date</p>
<p>18</p>	<h3 style="text-align: center;">SURVEYOR CERTIFICATION</h3> <p><i>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.</i></p> <p>Date of Survey: <u>1/16/08</u></p> <p>Signature and Seal of Professional Surveyor</p> <div style="text-align: center;">  </div>	

**S/2 DEDICATED ACREAGE**  
 USA NM - 2996  
 SECTION 25  
 T-32-N, R-7-W

2648.6' (R)  
2646.7' (M)

N 0°20' W  
N 0°32'07" W

660'

**WELL FLAG**  
 NAD 83  
 LAT: 36.945728° N  
 LONG: 107.513916° W  
 NAD 27  
 LAT: 36°56.743399' N  
 LONG: 107°30.798606' W

1365'

N 88°33' W  
N 88°44'30" W

2643.0' (R)  
2642.1' (M)

**COMPANY**

BURLINGTON RESOURCES

**Charge Code**

WAN.RFE.PDO7.MQ

**WELL NAME**

BURNT MESA # 1 M

**DATE**

3/7/2008

**DUAL WELL**

WELL NAME

**TRIPLE WELL**

WELL NAME

**COORDINATES**

**SEC**

**TNSHP**

**RANGE**

**LATITUDE**

**LONGITUDE**

O 25

32 N

7 W

36.945728 N

107.513916 W

**COUNTY**

RIO ARriba

RECTIFIER

SOLAR

GROUND BED

240 V METER POLE

480 V METER POLE

D C CABLES

A C CABLES

PRIMARY POWER

DISTANCE TO POWER

UNDERGROUND

PUMPJACK

WATER PUMP

**SIZE**

**NEEDED**

**EXISTING**

**1 PHASE**

**3 PHASE**

30/12

X

X

# 8

150'

# 8

350'

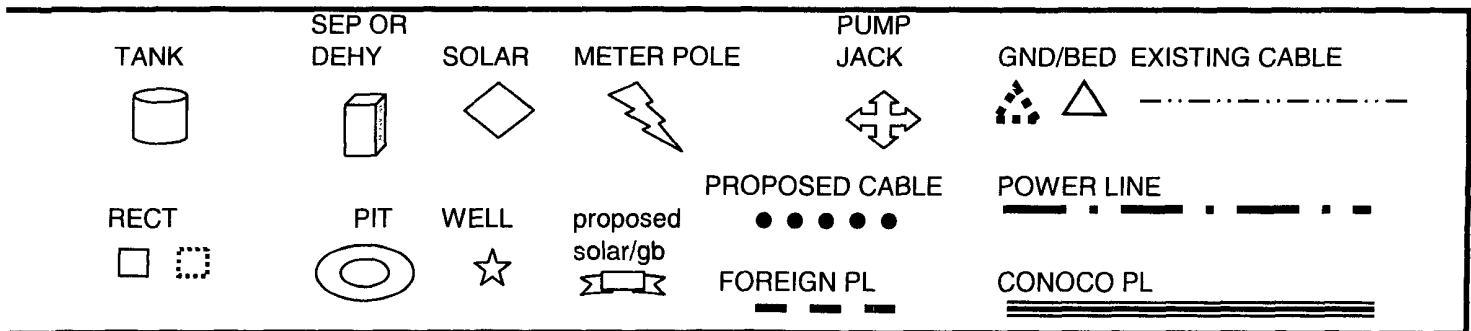
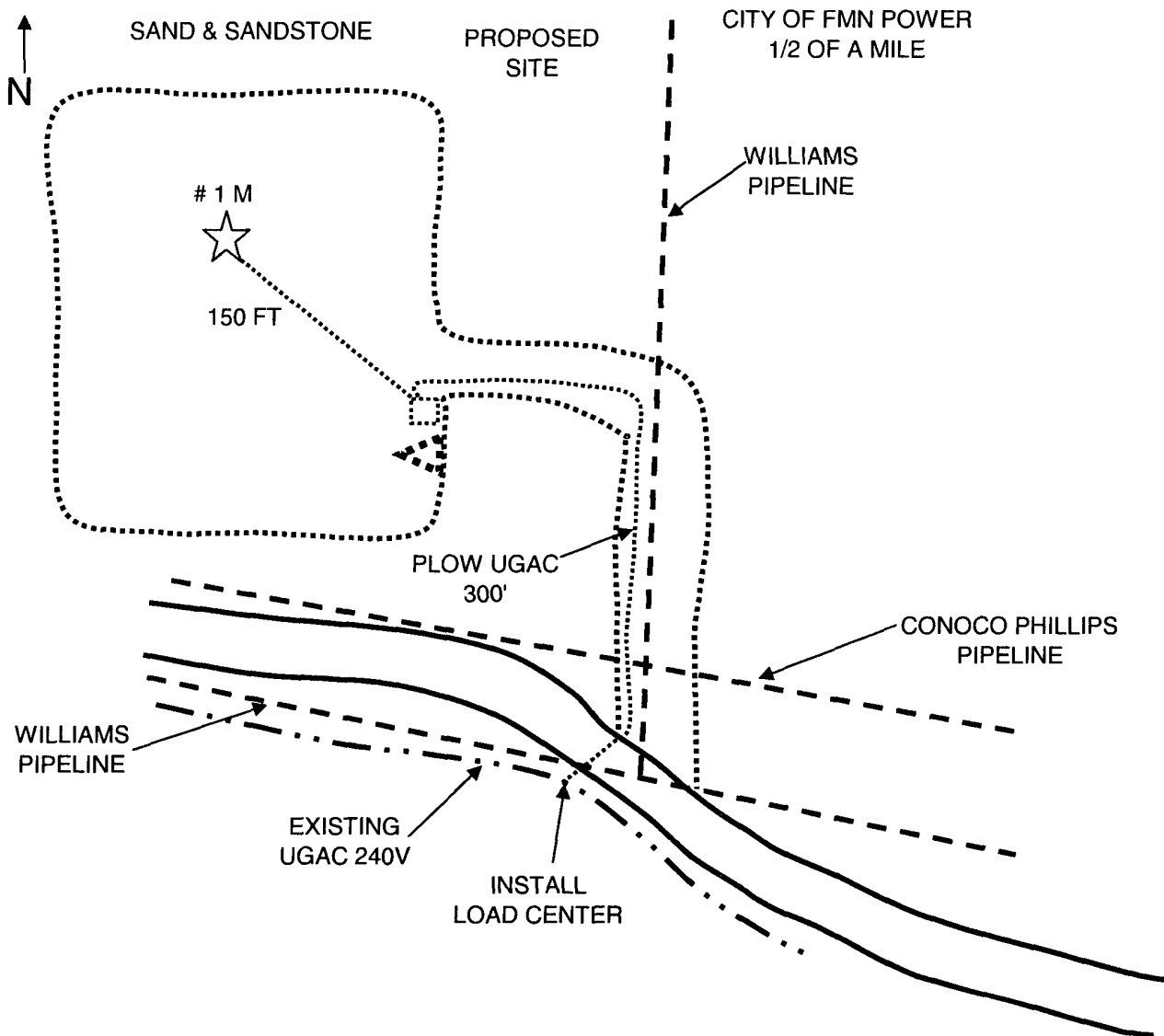
FMN

1/2 MILE

**COMMENTS**

INSTALL LOAD CENTER - PLOW UGAC TO LOC - INSTALL RECTIFIER SYSTEM  
SAND & SANDSTONE AREA

<b>WELL NAME</b>	<b>BURNT MESA # 1 M</b>
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# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BURNT MESA 1M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7501		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		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

Latitude: 36.945723	Longitude: -107.513310	X:	Y:	Section: 25	Range: 007W
Footage X: 1365 FEL	Footage Y: 660 FSL	Elevation: 6480	(FT)	Township: 032N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6492	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6292	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	2334	4158	<input type="checkbox"/>			
KIRTLAND	2454	4038	<input type="checkbox"/>			
FRUITLAND	2996	3496	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3405	3087	<input type="checkbox"/>			
LEWIS	3514	2978	<input type="checkbox"/>			
Intermediate Casing	3614	2878	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 814 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4256	2236	<input type="checkbox"/>			
CHACRA	4680	1812	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5450	1042	<input type="checkbox"/>	700		Gas
MENEFEE	5518	974	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	5732	760	<input type="checkbox"/>			
MANCOS	6144	348	<input type="checkbox"/>			
UPPER GALLUP	7070	-578	<input type="checkbox"/>			
GREENHORN	7795	-1303	<input type="checkbox"/>			
GRANEROS	7852	-1360	<input type="checkbox"/>			
TWO WELLS	7948	-1456	<input type="checkbox"/>	2700		Gas
PAGUATE	7968	-1476	<input type="checkbox"/>			
UPPER CUBERO	7978	-1486	<input type="checkbox"/>			
LOWER CUBERO	8024	-1532	<input type="checkbox"/>			
ENCINAL	8093	-1601	<input type="checkbox"/>			
TOTAL DEPTH DK	8094	-1602	<input type="checkbox"/>			6 1/4" Hole. 4 1/2", 11.6 ppf, N-80, LTC casing. Cement with 609 cu-ft. Circulate cement a minimum of 100' inside the previous casing string.

## Reference Wells:

Reference Type	Well Name	Comments
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# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BURNT MESA 1M

DEVELOPMENT

## Logging Program:

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

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

Est bottom perf ~20' above est TD.

## Additional Information:

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

**BURNT MESA 1M**

**660' FSL, 1365' FWL**

**SECTION 25, T-32-N, R-7-W, N.M.P.M.**

*San Juan* **~~RIO ARriba~~ COUNTY, NEW MEXICO**

**NAD 83 LAT.: 36.945728° N LONG.: 107.513916°W**

**ELEV.: 6480 NAVD88**

**NEW ACCESS ROAD 239.8'**

- FROM IGNACIO COLORADO: INTERSECTION OF HWY 172 & HWY 151.
- GO 11.9 MILES EAST ON HWY 151 TOWARDS ALLISON COLO. TURN RIGHT (SOUTH) ON LAPLATA CO. ROAD #330.
- GO: 2.0 MILES SOUTH ON CO. ROAD 330 TO STATE LINE. TURN RIGHT, (WEST) ON NM CO. RD 4020 AT STOP SIGN.
- GO: 3.9 MILES SOUTH ON CR#4020. STAY RIGHT AT FORK & CONTINUE ON CR 4020 UP HILL TO "BURNT MESA".
- GO: 1.0 MILES SOUTH WEST ON CR 4020, TURN LEFT AND ACROSS WELL PAD FOR BURT MESA #101.
- GO: 0.5 MILES SOUTH & EAST ON ACCESS ROAD TO TWO (2) WILLIAMS FIELD SERVICE PIPELINE TIE-INS (DOG LEGS). BEGIN NEW ACCESS TO THE EAST ALONG THE SOUTH SIDE OF WILLIAMS PIPELINE, APROXIMATLY 400 FEET DOWN HILL. TURN LEFT ACROSS PIPELINE & GO 240 FEET NORTH EAST TO STAKED WELL PAD.