

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NMSF-043260-A 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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name Lackey 9. Well Number #100	
4. Location of Well Surf: Unit O (SWSE), 1280' FSL & 1785' FEL  Surf: Latitude 36.764899 N Longitude 107.993172 W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) 0 Sec. 33, T30N, R11W API # 30-045- 34844	
14. Distance in Miles from Nearest Town 4.5 miles/Bloomfield, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1280'	17. Acres Assigned to Well 325.58 (E/2)	
16. Acres in Lease 324.930	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 376.6' from BROG FED #1 - Dakota	22. Approx. Date Work will Start	
19. Proposed Depth 2381'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 5901' GR	24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	

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



H<sub>2</sub>S POTENTIAL EXIST

NMOCD

10/26

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

## 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

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-34841	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name BASIN FRUITLAND COAL
<sup>4</sup> Property Code 7237	<sup>5</sup> Property Name LACKEY	<sup>6</sup> Well Number 100
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	<sup>9</sup> Elevation 5901

<sup>10</sup> SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	33	30-N	11-W	(15)	1280	SOUTH	1785	EAST	SAN JUAN

<sup>11</sup> 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
0									

<sup>12</sup> Dedicated Acres 325.58	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> BLM 1996	BLM 1969	SF-076386	BLM 1969	<sup>17</sup> OPERATOR CERTIFICATION
<p>WELL FLAG NAD 83 LAT: 36.764899° N LONG: 107.993172° W NAD 27 LAT: 36°45.893669' N LONG: 107°59.552972' W</p> <p>E/2 DEDICATED ACREAGE SF-043260-A SECTION 33 T-30-N, R-11-W</p> <p>2724.5' (R)</p> <p>1785'</p> <p>1280'</p> <p>N 88°33'57" W 285.8' (R)</p> <p>N 88°40' W N 88°33'57" W</p> <p>2320.5' (R) 2320.2' (M)</p> <p>BLM 1997 C.C.</p>				<p>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</p> <p><i>James Gardenhire</i> Signature James Gardenhire Printed Name Regulatory Technician Title and E-mail Address 9/22/08 Date</p>
				<sup>18</sup> SURVEYOR CERTIFICATION
				<p>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.</p> <p>Date of Survey: 5/30/08 Signature and Seal of Professional Surveyor:</p>
				<p>SEAL OF HENRY P. BROADHURST REGISTERED PROFESSIONAL SURVEYOR NEW MEXICO 11393</p> <p>Certificate Number: NM 11393</p>

**COMPANY**  
**Charge Code**  
**WELL NAME**  
**DUAL WELL**  
**TRIPLE WELL**

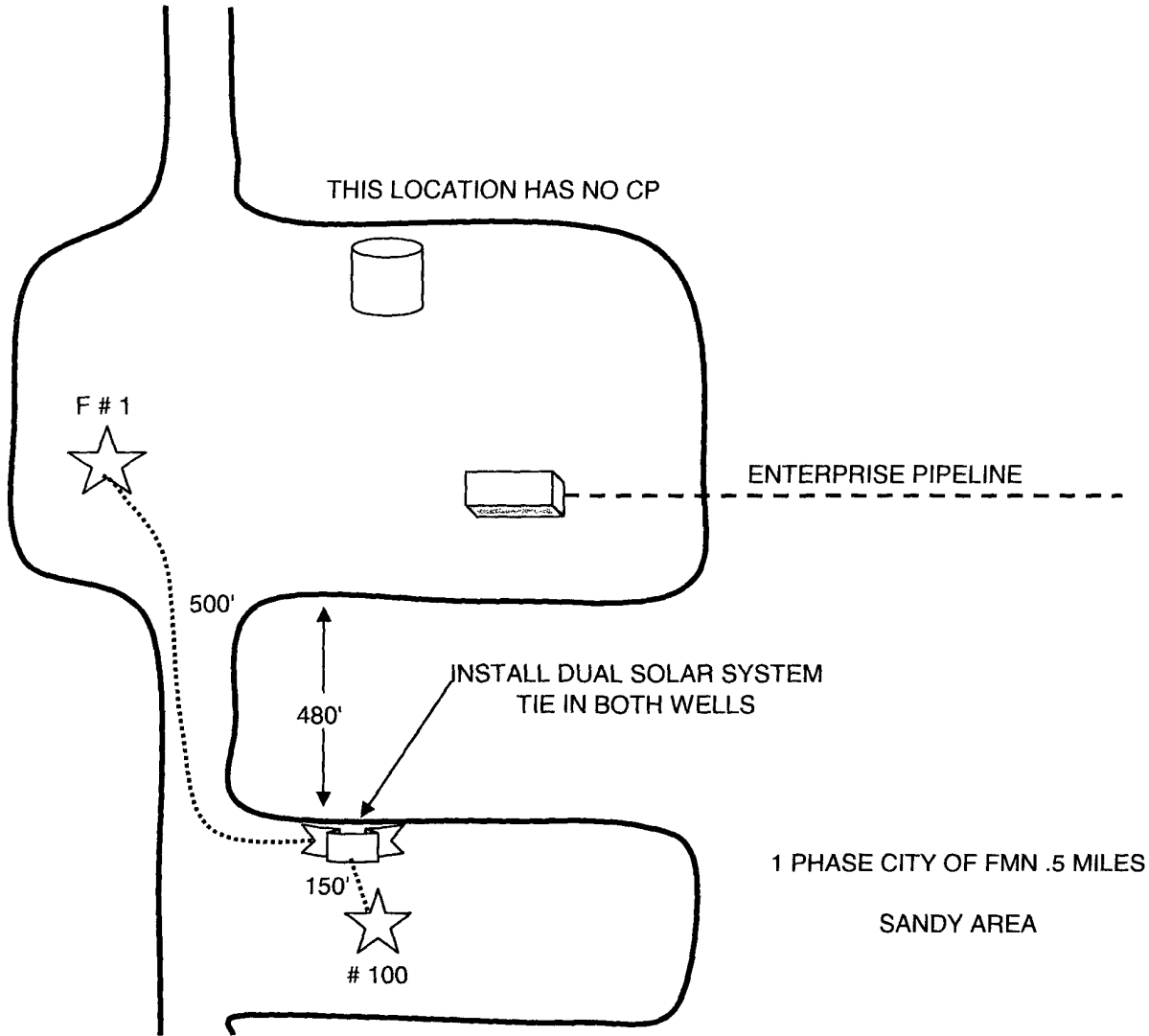
BURLINGTON RESOURCES		
WAN.RFE.PD08.47		
LACKEY # 100	DATE	10/22/2008
WELL NAME	LACKEY F # 1	
WELL NAME		















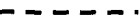

	SEC	TNSHP	RANGE		LATITUDE	LONGITUDE
COORDINATES	O 33	30 N	11 W		36.764899 N	107.993172 W
COUNTY	SAN JUAN					

	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
RECTIFIER					
SOLAR	(12/6)	X			
GROUND BED		X			
240 V METER POLE					
480 V METER POLE					
D C CABLES	# 8	800'			
A C CABLES					
PRIMARY POWER				CITY OF FMN	
DISTANCE TO POWER				.5 MILES	
UNDERGROUND					
PUMPJACK					
WATER PUMP					

COMMENTS	INSTALL DUAL SOLAR SYSTEM
	TIE IN BOTH WELLS
	SANDY AREA
	1 PHASE CITY OF FMN PRIMARY .5 MILES

WELL NAME	<b>LACKEY # 100</b>
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TANK 	SEP OR DEHY 	SOLAR 	METER POLE 	PUMP JACK 	GND/BED EXISTING CABLE 		
RECT 	PIT 	WELL 	proposed solar/gb 	PROPOSED CABLE 	POWER LINE 		
				FOREIGN PL 	CONOCO PL 		

BURLINGTON RESOURCES OIL & GAS COMPANY LP  
LACKEY 100  
1280' FSL, 1785' FEL  
SECTION 33, T-30-N, R-11-W, N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO  
NAD 83 LAT.: 36.764899°N LONG.: 107.993172° W  
ELEV.: 5901 NAVD88  
NO NEW ACCESS

DRIVING DIRECTIONS TO: BROG LACKEY #100  
DRIVING DIRECTIONS FROM BLOOMFIELD, NM AT THE INTERSECTION OF  
HWY 550 NORTH AND HWY 64 EAST (TRAFFIC LIGHT BY DOLLAR GENERAL  
STORE).

- GO 4.5 MILES NORTH ON HWY 550 TOWARDS AZTEC N.M. TURN  
LEFT (WEST) ON PIPELINE ROAD.
- GO 1.3 MILES WEST ON PIPELINE ROAD. TURN LEFT (SOUTH EAST).
- GO 0.4 MILES SOUTHEAST. TURN LEFT (NORTH) ON WELL ACCESS  
ROAD TOWARD BROG FED F #1WELL LOCATION.
- GO 0.15 MILES NORTH TOWARD FEDERAL F#1. THE NEW WELL IS  
STAKED 30 FT. EAST FROM ROAD.

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LACKEY 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8045		AFE \$: 268,762.17	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):	
Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27	
Latitude: 36.764894	Longitude: -107.992549	X:	Y:
Footage X: 1785 FEL		Footage Y: 1280 FSL	
Elevation: 5901 (FT)		Township: 030N	
Tolerance:			

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
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Formation Data:	Assume KB = 5912	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	120	5792	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	835	5077	<input type="checkbox"/>			
KIRTLAND	935	4977	<input type="checkbox"/>			
FRUITLAND	1869	4043	<input type="checkbox"/>	300		Gas
PICTURED CLIFFS	2181	3731	<input type="checkbox"/>			Gas
Total Depth	2381	3531	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 366 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Murphy E 5	SE33-30-11
Production	Federal F 1	SE33-30-11

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other
GR/CBL	

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

