

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 08 2010

Bureau of Land Management  
Farmington Field Office

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078604 Unit Reporting Number NMMN-73296-MV
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 AUG 30 '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 Lucerne A 9. Well Number 1B
4. Location of Well Unit E(SWNW), 1575' FNL & 689' FWL  Latitude: 36.916008° N (NAD83) Longitude: 107.894138° W	10. Field, Pool, Wildcat Blanco MV / Basin DK  11. Sec., Twn, Rge, Mer. (NMPM) Sec. 9, T31N, R10W API # 30-045-35119
14. Distance in Miles from Nearest Town 11 miles / Aztec	12. County San Juan
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 689'	
16. Acres in Lease 2,157.850	17. Acres Assigned to Well 320.00 W/2 - MV & 319.07 W/2 - DK 319.07
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1130' from Scott 11 (PC)	
19. Proposed Depth 7382' This action is subject to technical and procedural review pursuant to 43 CFR 3165.9 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6000' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS.
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>3/8/2010</u>

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 3

Bond Numbers NMB-000015 and NMB-000039

SEP 14 2010

NMOCD

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING &amp; CEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS

ACTION DOES NOT RELIEVE THE LESSEE AND

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

MAR 08 2010

☐ AMENDED REPORT

Bureau of Land Management

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-35119		<sup>2</sup> Pool Code 71599 / 72319		<sup>3</sup> Pool Name BASIN DAKOTA / BLANCO MESAVERDE	
<sup>4</sup> Property Code 7274		<sup>5</sup> Property Name LUCERNE A			<sup>6</sup> Well Number 1B
<sup>7</sup> OGRID No. 14538		<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			<sup>9</sup> Elevation 6000

<sup>10</sup> SURFACE LOCATION

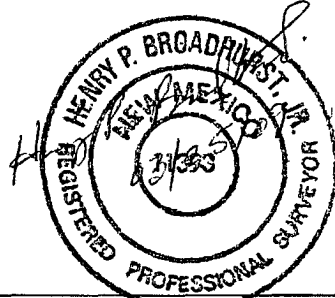
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	9	31-N	10-W	1	1575	NORTH	689	WEST	SAN JUAN

<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
E									

<sup>12</sup> Dedicated Acres MV-320.00 (W/2) DK-319.07 (W/2)	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> BLM 1968 N 89°48'06" W N 89°50' W 2658.8' (M) 2657.8' (R) 1575' FEE W/2 DEDICATED ACREAGE USA SF-078604 SECTION 9, T-31-N, R-10-W		BLM 1968 LOT 2 WELL FLAG NAD 83 LAT: 36.916008° N LONG: 107.894138° W NAD 27 LAT: 36°54.960313' N LONG: 107°53.611082' W		<sup>17</sup> 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>Crystal Tafoya</i> 3/4/10 Signature <b>Crystal Tafoya</b> Printed Name <b>Regulatory Technician</b> Title and E-mail Address <b>March 4th, 2010</b> Date	
LOT 1 689' N 0°57'12" E N 0°56' E BLM 1968		LOT 3 LOT 4		<sup>18</sup> 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: 3/19/09 Signature and Seal of Professional Surveyor:  Certificate Number: NM-14393	
LOT 8 LOT 9		LOT 7 USA SF-078389 LOT 10		LOT 6 LOT 11	
		LOT 5 LOT 12			

# PROJECT PROPOSAL - New Drill / Sidetrack

LUCERNE A 1B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8072		AFE \$: 1,550,512.66	
Field Name: SAN JUAN		Rig: XXX Deferred LAND		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F (Charles)		Phone: +1-505-326-9772		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		Straight Hole	
Latitude: 36.916005	Longitude: -107.893517	X:	Y:	Section: 09	Range: 010W
Footage X: 689 FWL	Footage Y: 1575 FNL	Elevation: 5997 (FT)	Township: 031N		
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2020	Completion Date:	Date In Operation:
---------------------------	-----------------------------	------------------	--------------------

Formation Data: Assume KB = 6009	Units = FT
----------------------------------	------------

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5809	<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	1184	4825	<input type="checkbox"/>			
KIRTLAND	1247	4762	<input type="checkbox"/>			
FRUITLAND	2364	3645	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2786	3223	<input type="checkbox"/>			
LEWIS	2940	3069	<input type="checkbox"/>			
Intermediate Casing	3040	2969	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 685 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3478	2531	<input type="checkbox"/>			
CHACRA	3868	2141	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4581	1428	<input type="checkbox"/>	250		Gas
MENEFEE	4641	1368	<input type="checkbox"/>			
POINT LOOKOUT	5021	988	<input type="checkbox"/>			
MANCOS	5421	588	<input type="checkbox"/>			
UPPER GALLUP	6339	-330	<input type="checkbox"/>			
GREENHORN	7059	-1050	<input type="checkbox"/>			
GRANEROS	7108	-1099	<input type="checkbox"/>			
TWO WELLS	7170	-1161	<input type="checkbox"/>	500		Gas
PAGUATE	7256	-1247	<input type="checkbox"/>			
UPPER CUBERO	7287	-1278	<input type="checkbox"/>			
LOWER CUBERO	7296	-1287	<input type="checkbox"/>			
ENCINAL	7367	-1358	<input type="checkbox"/>			
Total Depth	7382	-1373	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 591 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments



**BURLINGTON RESOURCES OIL & GAS COMPANY LP**

**LUCERNE A 1B  
1575' FNL, 689' FWL  
SECTION 9, T-31-N, R-10-W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO  
NAD 83 LAT.: 36.916008°N LONG.: 107.894138°W  
ELEV.: 6000 NAVD88  
NEW ACCESS ROAD 1227.1'**

FROM: AZTEC, NEW MEXICO. START AT INTERSECTION OF HWY 550 & AZTEC BLVD.

GO: 9.3 MILES NORTH TOWARDS DURANGO ON HWY 550. TURN RIGHT, ON COUNTY RD. #2390.

GO: 0.3 MILES SOUTHEAST ON COUNTY RD. #2390. TURN RIGHT. ON COUNTY RD. #2391.

GO: 0.8 MILES ON COUNTY RD. #2391 TURN RIGHT ONTO ACCESS ROAD TO SCOTT #11 LOCATION.

GO: 0.2 MILES SOUTH TO SCOTT #11 LOCATION. BEGIN 1227.1' NEW ACCESS ALONG PIPELINE SURVEY.