

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD JAN 12 '10

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED DEC 14 2009 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078885 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 Canyon Largo Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number 239N
4. Location of Well Surf: Unit L(NWSW), 1930' FSL & 670' FWL Surf: Latitude: 36.42678° N (NAD83) Longitude: 107.42568° W		10. Field, Pool, Wildcat Blanco MV/Basin DK/Otero CH 11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 1, T25N, R6W API # 30-039-30883
14. Distance in Miles from Nearest Town 38 miles / Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 670'		
16. Acres in Lease 2,403.320	17. Acres Assigned to Well 320.6 W/2 (MV/DK) & 160.0 SW/4 (CH)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 400' from Canyon Largo Unit 224 (PC)		
19. Proposed Depth 7364' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6749' 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)		12/14/2009 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 1/7/2010

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 4

Bond Numbers NMB-000015 and NMB-000089

JAN 13 2010

NMOC

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Asteo, N.M. 87410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30883	² Pool Code 82329/71599/72319	³ Pool Name OTERO CHACRA/BASIN DAKOTA/BLANCO MESA VERDE
⁴ Property Code 6886	⁵ Property Name CANYON LARGO UNIT	⁶ Well Number 239 N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6749'

¹⁰ Surface Location

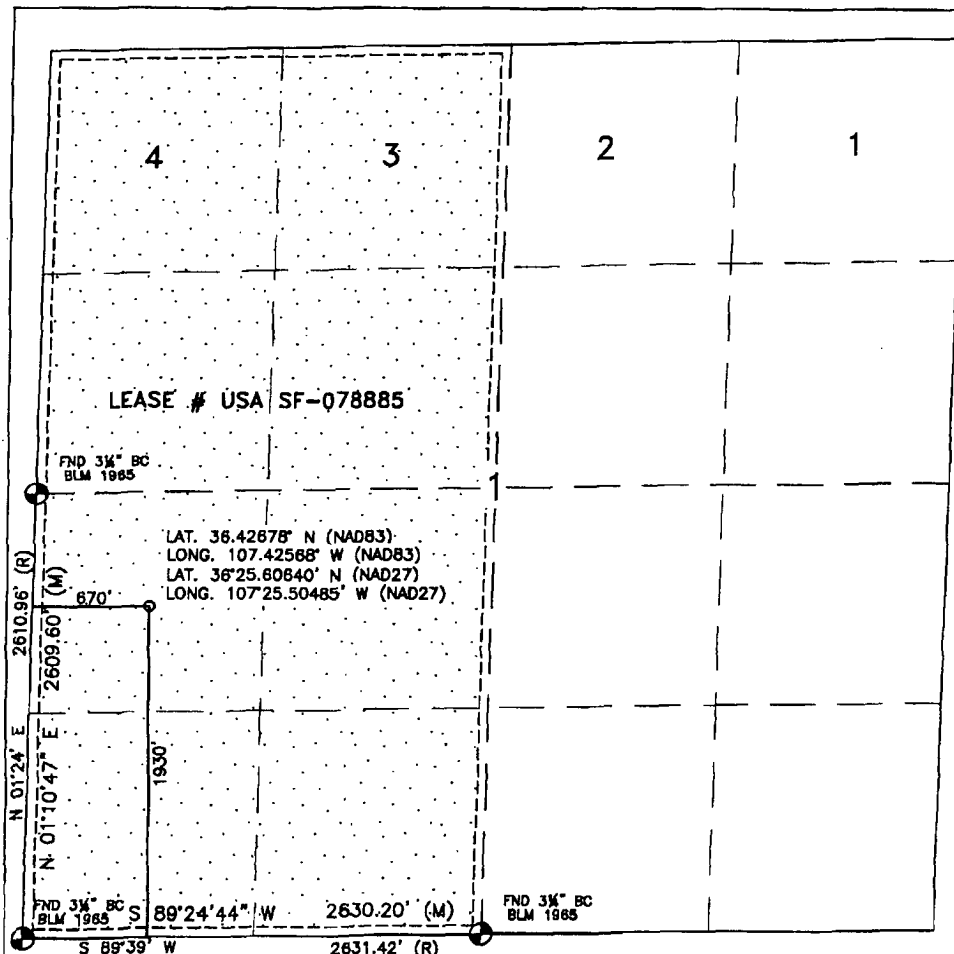
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	1	25N	6W		1930'	SOUTH	670'	WEST	RIO ARRIBA

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
L									
¹² Dedicated Acres 160.0 Acres - (SW/4) CH 320.6 Acres - (W/2) MV/DK			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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

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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 or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 11/13/09
Signature Date

Crystal Tafoya 11/13/09
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.

AUGUST 28, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 239N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8345			AFE \$: 1,259,307.28	
Field Name: SAN JUAN		Rig: XXX 2010 Holding		State: NM	County: RIO ARriba	API #:
Geologist:		Phone:		Geophysicist:		Phone:
Geoscientist:		Phone:		Prod. Engineer:		Phone:
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:
Primary Objective (Zones):						
Zone	Zone Name					
FRR	BASIN DAKOTA (PRORATED GAS)					
RON	BLANCO MESAVERDE (PRORATED GAS)					
RCO212	CHACRA(RCO212)					
Location: Surface Datum Code: NAD 27						
Latitude: 36.426769		Longitude: -107.425077		X:	Y:	Section: 01 Range: 006W
Footage X: 670 FWL		Footage Y: 1930 FSL		Elevation: 6749 (FT)	Township: 025N	
Tolerance:						
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6761 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6441	☐			320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 226 cuft. Circulate cement to surface.
OJO ALAMO	2296	4465	☐			
KIRTLAND	2469	4292	☐			
FRUITLAND	2499	4262	☐			Possible Gas
PICTURED CLIFFS	2901	3860	☐			
LEWIS	2967	3794	☐			
HUERFANITO BENTONITE	3299	3462	☐			
CHACRA	3756	3005	☐			
MASSIVE CLIFF HOUSE	4486	2275	☐			
MENEFEE	4519	2242	☐			
POINT LOOKOUT	5084	1677	☐	936		GAS
MANCOS	5446	1315	☐			
UPPER GALLUP	6160	601	☐			
GREENHORN	7019	-258	☐			
GRANEROS	7073	-312	☐			
TWO WELLS	7122	-361	☐	2832		Gas
UPPER CUBERO	7218	-457	☐			
LOWER CUBERO	7253	-492	☐			
OAK CANYON	7278	-517	☐			
ENCINAL	7319	-558	☐			
Total Depth	7364	-603	☐			7 7/8" hole, 4-1/2" 11.6 ppf, N-80 LTC casing. Cement with 2167 cuft. Circulate cement to surface.
BURRO CANYON	7368	-607	☐			
Reference Wells:						
Reference Type	Well Name		Comments			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT 239N

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 the est TD. TD does not include the mud shoe.

Additional Information:

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

CANYON LARGO UNIT #239N
1930' FSL & 670' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 1,
T25N, R6W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM BLANCO, NM TRAVEL 1.3 MILES EAST ON HWY 64 TO CR #4450.
- 2) TURN RIGHT AND TRAVEL 3.6 MILES TO INTERSECTION.
- 3) TURN RIGHT, CROSS BRIDGE, AND TRAVEL 21.8 MILES SOUTH ALONG LARGO CANYON TO SCHOOL HOUSE.
- 4) TURN RIGHT AND TRAVEL 2.5 MILES TO INTERSECTION.
- 5) TURN LEFT, CROSS LARGO WASH, AND TRAVEL 2.9 MILES.
- 6) TURN RIGHT AND TRAVEL 4.5 MILES ON TOP OF GONZALES MESA TO INTERSECTION.
- 7) TURN LEFT AND TRAVEL 0.8 MILES.
- 8) TURN RIGHT AND TRAVEL 0.1 MILES TO NEW ACCESS ON THE LEFT.
- 9) FOLLOW RED FLAGGING 44' TO NEW LOCATION.

WELL FLAG LOCATED AT LAT. 36.42678°N, LONG. 107.42568°W (NAD 83).

JOB No.: COPC235
DATE: 09/02/08



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637