

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 12 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NM-06738 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
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name GRENIER A 9. Well Number 8N
4. Location of Well Surf: Unit K(NESW), 2594' FSL & 1868' FWL Surf: Latitude: 36.76852° N (NAD83) Longitude: 107.85658° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 35, T30N, R10W API # 30-045-34990
14. Distance in Miles from Nearest Town 10 miles/AZTEC	12. County SAN JUAN 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 45'	
16. Acres in Lease 475.600	17. Acres Assigned to Well MV/DK 317.18 (W/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1500' from GRENIER A 5 - PC	
19. Proposed Depth 7233'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6177' GL	22. Approx. Date Work will Start 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
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Marie E. Jaramillo</u> Marie E. Jaramillo (Staff Regulatory Tech)	Date: <u>6/16/09</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-000089

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

JUL 27 2009

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.9
and appeal pursuant to 43 CFR 3165.4

JUN 12 2009

DISTRICT I
1626 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., Aztec, 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

*API Number 30-045-34990		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 18531	*Property Name GRENIER A		*Well Number 8 N
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6177'

¹⁰ Surface Location

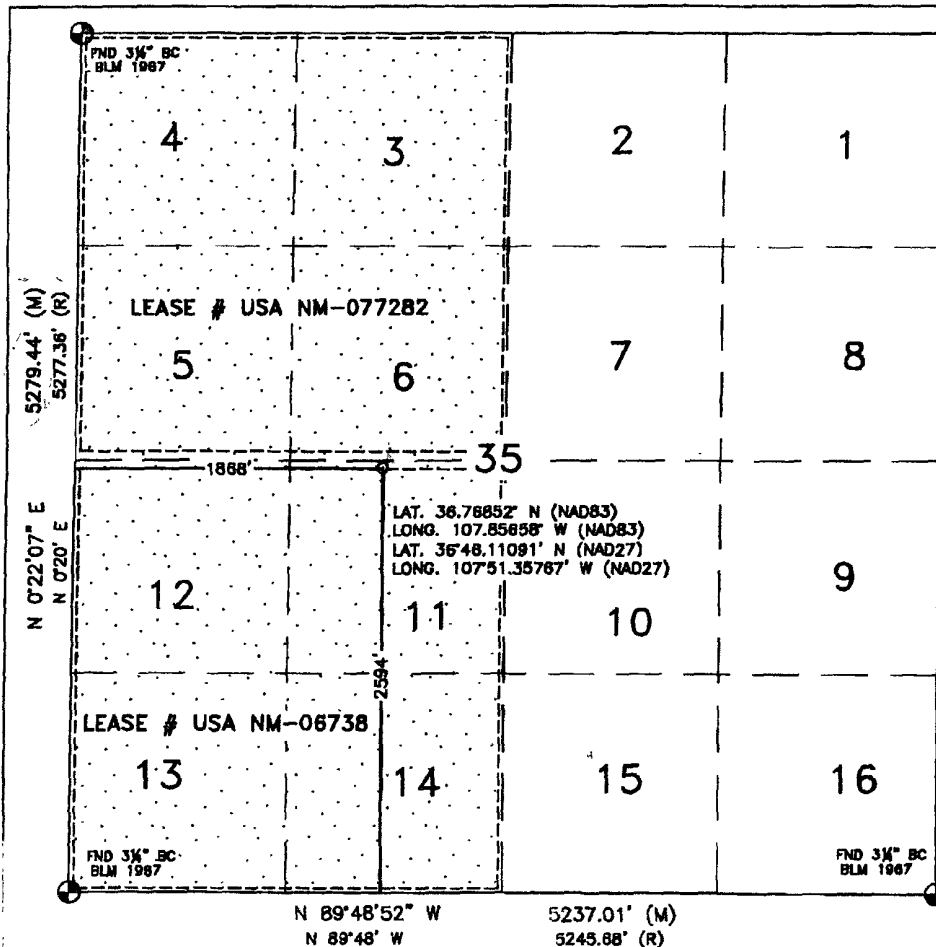
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	35	30N	10W	11	2594'	SOUTH	1868'	WEST	SAN JUAN

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
K									
¹² Dedicated Acres 317.18 Acres - (W/2)			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.

Signature: *James Gardenhire* Date: 8/27/08

Printed Name: James Gardenhire

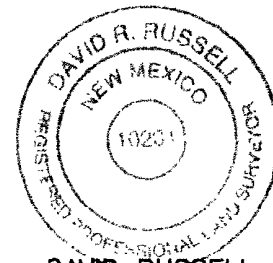
¹⁸ SURVEYOR CERTIFICATION

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.

Date of Survey: JULY 28, 2008

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL
Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

GRENIER A 8N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8285		AFE \$: 1,269,694.60	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
RON	BLANCO MESAVERDE (PRORATED GAS)
FRR	BASIN DAKOTA (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.768515	Longitude: -107.855961	X:	Y:	Section: 35	Range: 010W
Footage X: 1868 FWL	Footage Y: 2594 FSL	Elevation: 6177	(FT)	Township: 030N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6189	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	5989	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	1416	4773	☐			
KIRTLAND	1562	4627	☐			
FRUITLAND	2138	4051	☐			Possible Gas
PICTURED CLIFFS	2685	3504	☐			
LEWIS	2835	3354	☐			
Intermediate Casing	2935	3254	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 661 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3422	2767	☐			
CHACRA	3678	2511	☐			
MASSIVE CLIFF HOUSE	4349	1840	☐	482		Gas
MENEFEE	4434	1755	☐			
POINT LOOKOUT	4973	1216	☐			
MANCOS	5355	834	☐			
UPPER GALLUP	6202	-13	☐			
GREENHORN	6934	-745	☐			
GRANEROS	6988	-799	☐			
TWO WELLS	7046	-857	☐	1985		Gas
PAGUATE	7124	-935	☐			
CUBERO	7176	-987	☐			
ENCINAL	7232	-1043	☐			
Total Depth	7233	-1044	☐			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 585 cuft. 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

GRENIER A 8N

DEVELOPMENT

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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Est bottom perf ~20' above the est TD.

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP

GRENIER A #8 N
2594' FSL & 1868' FWL
LOCATED IN THE NE/4 SW/4 OF SECTION 35,
T30N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 550 & HWY 173 IN AZTEC, NM., GO EAST ON HWY 173 FOR 4.4 MILES.
- 2) TURN RIGHT ONTO HWY 575.
- 3) GO SOUTHEASTERLY ON HWY 575 FOR 4.0 MILES.
- 4) TURN LEFT AFTER CATTLE GUARD AND GO 0.85 MILES TO "Y" INTERSECTION.
- 5) TURN RIGHT AND GO 0.6 MILES TO BEGIN ACCESS ON RIGHT SIDE OF ROAD.
- 6) FOLLOW RED FLAGGING FOR 827' TO NEW LOCATION.

WELL FLAG LOCATED AT LAT. 36.76852°N, LONG. 107.85658°W (NAD 83).

JOB No.: COPC216
DATE: 08/13/08



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