


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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MAR 03 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	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	5. Lease Number USA NM-03561
1b. Type of Well GAS		Unit Reporting Number
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		6. If Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		7. Unit Agreement Name RCVD APR 29 '11 OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit O(SWSE), 815' FSL & 2495' FEL Surface: Latitude: 36.75009° N (NAD83) <u>Lot 19</u> Longitude: 107.90754° W		8. Farm or Lease Name Grenier B
		9. Well Number 3P
		10. Field, Pool, Wildcat Blanco MV/Basin DK
		11. Sec., Twn, Rge, Mer. (NMPM) Sec. 5, T29N, R10W API # 30-045- <u>35263</u>
14. Distance in Miles from Nearest Town 7 Miles from Blanco, NM		12. County San Juan
		13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 815'		
16. Acres in Lease 915.29 Acres		17. Acres Assigned to Well 294.52 Acres (S/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 785' from Grenier B #3 (MV/DK)		
19. Proposed Depth 6697'	 H ₂ S POTENTIAL EXIST	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5798' GL		22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)		<u>3-2-11</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY DJ Montecinos

TITLE AFM

DATE 4/25/11

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

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 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD
MAY 17 2011

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

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

RECEIVED

Form C-102

Revised October 12, 2005

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

Farmington Field Office
Bureau of Land Management
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 35263	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 18532	*Property Name GRENIER B	*Well Number 3P
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 5798'

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
0	5	29N	10W	19	815	SOUTH	2495	EAST	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
0									

12 Dedicated Acres 294.52 Acres - S/2	13 Joint or Infill	14 Consolidation Code	15 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

5290.56'

16	LOT 8	LOT 7	LOT 6	LOT 5	1225.62'
1229.58'	LOT 9	LOT 10	LOT 11	LOT 12	1213.08'
2459.82'	LOT 16 LEASE USA NM-03561 LOT 17	LOT 15 LAT: 36°45.0050' N LONG: 107°54.4153' W DATUM: NAD1927 LOT 18 LAT: 36.75009' N LONG: 107.90754' W DATUM: NAD1983	LOT 14 LEASE USA NM-03561 LOT 19	LOT 13 LEASE USA NM-03561 LOT 20	2426.82'

5

1620'

2495'

815'

130'

5243.04'

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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 1/13/2010
Signature Date
Crystal Tafoya 1/13/2010
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

Date of Survey: JULY 10, 2009

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
15269

JASON C. EDWARDS
Certificate Number 15269

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

GRENIER B 3P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9086				AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: SAN JUAN		API #:
Geologist:	Phone:	Geophysicist:		Phone:			
Geoscientist:	Phone:	Prod. Engineer:		Phone:			
Res. Engineer:	Phone:	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: 36.750085	Longitude: -107.906920	X:	Y:	Section: 05	Range: 010W		
Footage X: 2495 FEL	Footage Y: 815 FSL	Elevation: 5798	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5813 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
NACIMIENTO	15	5798		<input type="checkbox"/>			
Surface Casing	200	5613		<input type="checkbox"/>			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	876	4937		<input type="checkbox"/>			
KIRTLAND	1071	4742		<input type="checkbox"/>		81	
FRUITLAND	1674	4139		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2197	3616		<input type="checkbox"/>	398		
LEWIS	2298	3515		<input type="checkbox"/>			
HUERFANITO BENTONITE	2967	2846		<input type="checkbox"/>		118	
CHACRA	3195	2618		<input type="checkbox"/>			
UPPER CLIFF HOUSE	3688	2125		<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	3865	1948		<input type="checkbox"/>	428		Gas
MENELEE	3902	1911		<input type="checkbox"/>		137	
Intermediate Casing	4052	1761		<input type="checkbox"/>			8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 913 cuft. Circulate cement to surface.
POINT LOOKOUT	4471	1342		<input type="checkbox"/>			
MANCOS	4879	934		<input type="checkbox"/>			
UPPER GALLUP	5717	96		<input type="checkbox"/>		173	
GREENHORN	6465	-652		<input type="checkbox"/>			
GRANEROS	6520	-707		<input type="checkbox"/>			
TWO WELLS	6584	-771		<input type="checkbox"/>	1843		Gas
PAGUATE	6643	-830		<input type="checkbox"/>		191	Gas - Bottom perf 6681 (-868) base on offset well.
Total Depth	6697	-884		<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 364 cuft. Circulate cement a minimum of 100' inside the previous casing string.
LOWER CUBERO	6698	-885		<input type="checkbox"/>			Gas - Wet and P&A in Grenier B 5E and Feuille A 5E
ENCINAL	6754	-941		<input type="checkbox"/>			Wet in Nye Fed 1M and Turner Nye 8-2
BURRO CANYON	6782	-969		<input type="checkbox"/>		194	

PROJECT PROPOSAL - New Drill / Sidetrack

GRENIER B 3P

DEVELOPMENT

MORRISON 6885 -1072 ☐

Reference Wells:

Reference Type	Well Name	Comments
Production	GRENIER B 3E	
Production	GRENIER B 3	

Logging Program:

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

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

GR/CBL

Mud log ~100' above gillp to TD.

Have the mud logger call TD.

Bottom perf ~16' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Directions from the Intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM

to Burlington Resources Oil & Gas Company Grenier B #3P

815' FSL & 2495' FEL, Section 5, T29N, R10W, N.M.P.M., San Juan County, NM

Latitude: 36.75009°N Longitude: 107.90754°W Datum: NAD1983

From the intersection of US Hwy 550 South & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 9.0 miles to State Hwy 575 @ Milepost 73.4;

Go left (North-westerly) on State Hwy 575 for 4.8 miles to fork in road;

Go left (South-westerly) exiting State Hwy 575 for 200' to fork in road;

Go left (Southerly) for 0.9 miles to fork in road;

Go right which is straight (Southerly) for 0.1 miles to 4-way intersection;

Go right (South-westerly) @ 4-way intersection for 0.3 miles to 4-way intersection;

Go straight (South-westerly) @ 4-way intersection for 0.3 miles to fork in road;

Go left which is straight (South-westerly) for 0.65 miles to new access on left-hand side of existing roadway which continues for 607.4' to staked location.