

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FEB 10 2011

1a. Type of Work DRILL	5. Lease Number USA SF-080919 Farmington Field Office Unit Reporting Number Land Manager.	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name NMNM-99451-PC NMNM-73248-PC	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Graham 9. Well Number 1S RCVD MAR 29 '11 OIL CONS. DIV. DIST. 3	
4. Location of Well Surface: Unit O(SWSE), 950' FSL & 1940' FEL Surface: Latitude: 36.541596° N (NAD83) Longitude: 107.862595° W	10. Field, Pool, Wildcat Basin FC/Fulcher Kutz PC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 26, T27N, R10W API # 30-045-35251	
14. Distance in Miles from Nearest Town 22.8 Miles from Bloomfield, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 950'	17. Acres Assigned to Well 320 Acres S/2 (FC) 160 Acres SE/4 (PC)	
16. Acres in Lease 80 Acres	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 804' from P&A Meridian Frost #3 (PC)	
19. Proposed Depth 2625'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6666' GL This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	22. Approx. Date Work will Start 2-10-11 ALL OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	Date <u>2-10-11</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE

AFM

DATE

3/28/11

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 2

Bond Numbers NMB-000015 and NMB-000089

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

APR 07 2011

NMOCD

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 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

FEB 10 2010
Submit to: Appropriate District Office
State Lease - 4 Copies
Farmington Field Office
Bureau of Land Management
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35251		*Pool Code 71629 / 77200		*Pool Name FULCHER KUTZ BASIN FRUITLAND COAL / PICTURED CLIFFS	
*Property Code 7052		*Property Name GRAHAM			*Well Number 1S
*OGRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6666'

¹⁰ Surface Location

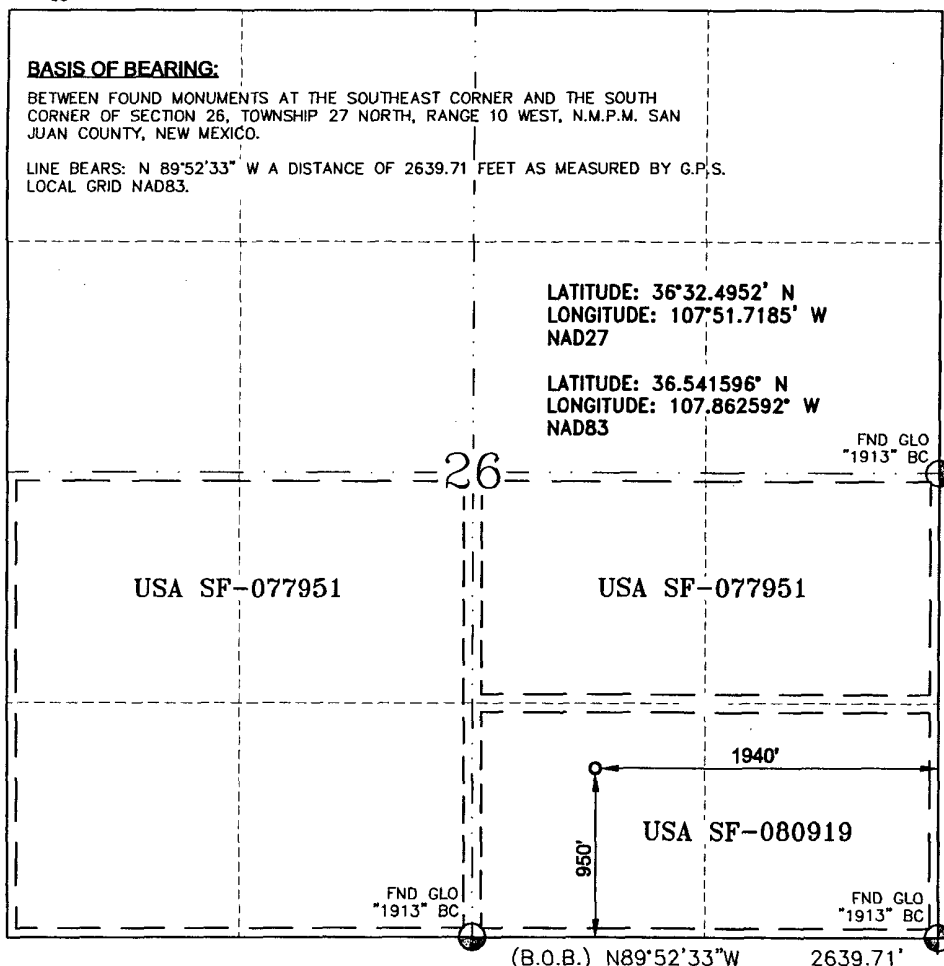
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	26	27-N	10-W		950	SOUTH	1940	EAST	SAN JUAN

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
*Dedicated Acres FC 320.00 ACRES S/2 PC 160.00 ACRES SE/4			*Joint or Infill		*Consolidation Code		*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 of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Dollie L. Busse
Signature
Dollie L. Busse 4/6/10
Printed Name

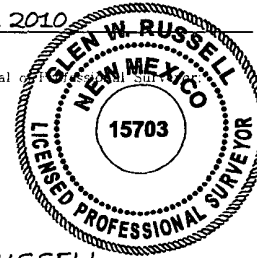
18 SURVEYOR CERTIFICATION

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.

MARCH 26, 2010

Date of Survey

Signature and Seal of



GLEN W. RUSSELL

Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

GRAHAM 1S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0020		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 711		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)
R20003	PICTURED CLIFFS(R20003)

Location: Surface Datum Code: NAD 27 Straight Hole

Latitude: 36.541587	Longitude: -107.861974	X:	Y:	Section: 26	Range: 010W
Footage X: 1940 FEL	Footage Y: 950 FSL	Elevation: 6666 (FT)	Township: 027N		
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2013 Completion Date: Date In Operation:

Formation Data: Assume KB = 6681 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6561		<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1469	5212		<input type="checkbox"/>			
KIRTLAND	1621	5060		<input type="checkbox"/>			
FRUITLAND	1991	4690		<input type="checkbox"/>			Gas
FRUITLAND COAL	2178	4503		<input type="checkbox"/>			
PICTURED CLIFFS	2425	4256		<input type="checkbox"/>	313		Gas; TD - 200' below T/PCCF
Total Depth	2625	4056		<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 352 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Frost 3-R	27N 10W 26 SE NW SE
Production	Jack Frost-C 1	27N 10W 26 NE SE
Production	Frost Jack-D 1-E	27N 10W 26 SW SE SW

Logging Program:

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

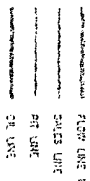
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: I



SEE PAGE 1 & 2 FOR PAGE DITTO
ALL INFORMATION NOT TO BE RELEASED & 1/10 OF 3-6-10

Sheet 1 of 2

[illegible]

Directions from the Intersection of Hwy 550 and Hwy 64
in Bloomfield, NM

To:

Burlington Resources Oil & Gas Company LP

GRAHAM #15

950' FSL & 1940' FEL,

Section 26, T27N, R10W, N.M.P.M., San Juan County,

New Mexico

Latitude: 36° 32' 29.745" N

Longitude: 107° 51' 45.331" W

Nad 1983

From the Intersection of Hwy 550 and Hwy 64,
Take Hwy 550 (south) for 14.9 miles,
Turn left @ Angel Peak Park entrance (northeast) 0.8 miles,
Turn right (southeast) 1.5 miles,
Continue (northeasterly) 3.4 miles,
To beginning of new access on right side of road,
Turn right (southeasterly) 416.85' to the newly staked location.