


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD FEB 8 '10
OIL CONS. DIV.
DIST. 3

1a. Type of Work DRILL	RECEIVED	5. Lease Number SF-078097 Unit Reporting Number
1b. Type of Well GAS	JAN 20 2010 Bureau of Land Management Farmington Field Office	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 Heaton 7 9. Well Number 100S
4. Location of Well Surf: Unit C(NENW), 740' FNL & 1495' FWL Surf: Latitude: 36.875238° N (NAD83) Longitude: 108.017509° W		10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 29, T31 N, R11W API # 30-045- 35096
14. Distance in Miles from Nearest Town 4 miles / Aztec		12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 740'		
16. Acres in Lease 2,475.610		17. Acres Assigned to Well 320.00 W/2 - FC
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 53' from Heaton 7A		
19. Proposed Depth 2676'	 H₂S POTENTIAL EXIST	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5953' GL		22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)		<u>1/20/2010</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 2/1/2010

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 2 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

FEB 25 2010 [Signature]
NMOCDB

**NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT**

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

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

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

Form C-102
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-045 - 38096	'Pool Code 71629	'Pool Name BASIN FRUITLAND COAL
'Property Code 37160	'Property Name HEATON 7	'Well Number 100S
'OGRID No. 14538	'Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	'Elevation 5953'

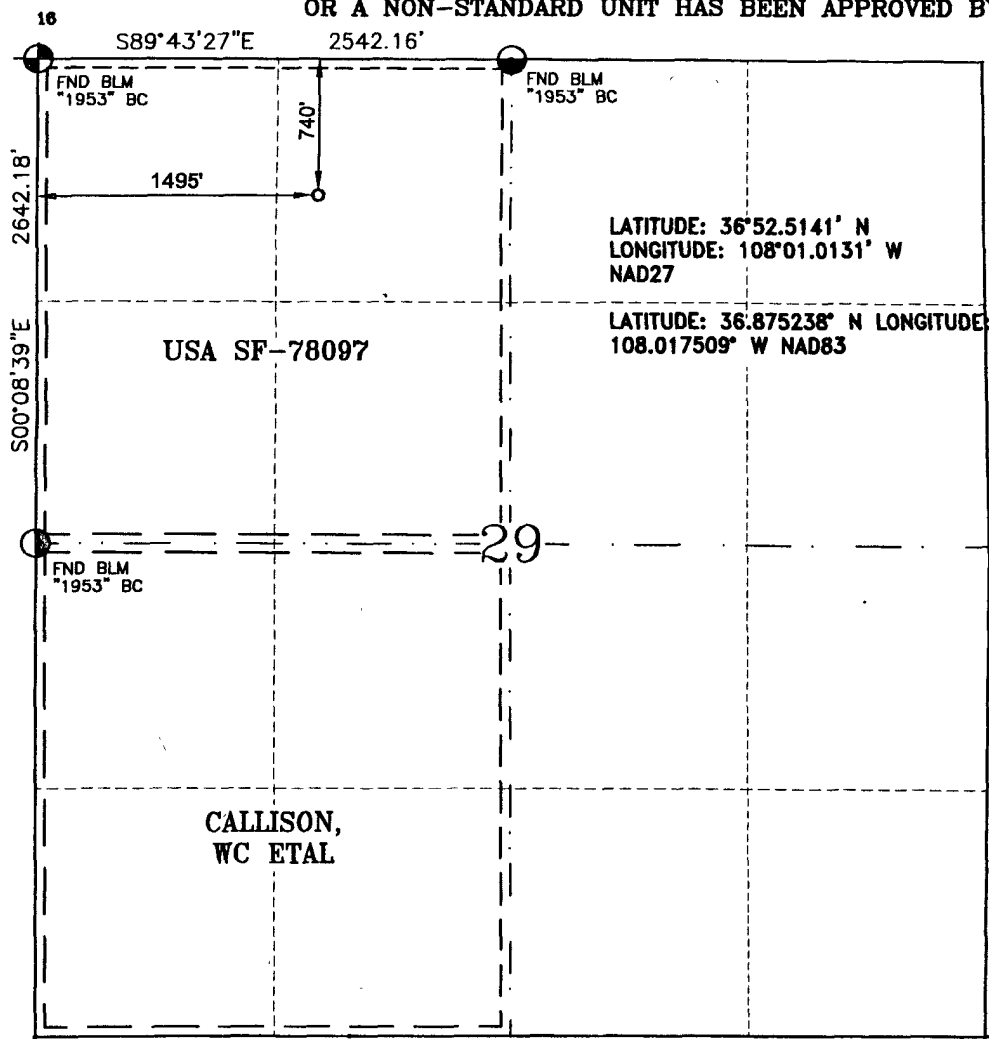
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	31-N	11-W		740	NORTH	1495	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
C									
Dedicated Acres FC 320.00 ACRES W/2			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



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.

Tracey N. Monroe
Signature
Tracey N. Monroe
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.

JUNE 10, 2009

Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HEATON 7 100S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9075		AFE \$: 886,610.68	
Field Name: SAN JUAN		Rig: XXX Must be 2011		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface Datum Code: NAD 27 Straight Hole

Latitude: 36.875235	Longitude: -108.016885	X:	Y:	Section: 29	Range: 011W
Footage X: 1495 FWL		Footage Y: 740 FNL		Elevation: 5953 (FT)	Township: 031N
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2011	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 5964	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	120	5844	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	925	5039	<input type="checkbox"/>			
KIRTLAND	1012	4952	<input type="checkbox"/>			
FRUITLAND	1915	4049	<input type="checkbox"/>			Gas
FRUITLAND COAL	2105	3859	<input type="checkbox"/>			
PICTURED CLIFFS	2476	3488	<input type="checkbox"/>	167		Gas; TD - 200' below T/PCCF
Total Depth	2676	3288	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 411 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Grenier 6B	31N 11W 20 NE SW SW
Production	Heaton 7M	31N 11W 29 NE SW NW
Production	Heaton 21	31N 11W 29 SW NW

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: Location/Tops/Logging - FCNM031N011W29NW1 Avoid E. Vertical twinning option at Heaton 7A (MV) in unit letter C, else prefer C, D, F. Topo could be an issue.

Zones - FCNM031N011W29NW1

Directions from the Intersection of Hwy 550 &
Hwy 574 in Aztec, NM

To:

Burlington Resources Oil & Gas Company LP
HEATON 7 100S

740' FNL & 1495' FWL,

Section 29, T31N, R11W, N.M.P.M.,

San Juan County, New Mexico

LAT. 36° 52' 30.856" N

LONG. 108° 01' 03.032" W

NAD 83

From the Intersection of Hwy 550 & Hwy 574,
Take Hwy 574 Northwesterly on Light Plant Road for 3.0 miles
Turn Right on CR# 3078 (northeast) 1.0 miles
to Newly Staked Location Twinned on existing well pad,
(Heaton #7A)