

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078439 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Johnston Federal 9. Well Number 6B
4. Location of Well 1180' FNL, 790' FWL Latitude 36° 51.5, Longitude 107° 45.4	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec.35, T-31-N, R-9-W API # 30-045-30065
14. Distance in Miles from Nearest Town 5 miles from Navajo Dam	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 790'	17. Acres Assigned to Well 314.25 W/2
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 800'	
19. Proposed Depth 7600'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6012' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u><i>Jessie Cole</i></u> Regulatory/Compliance Administrator	<u>10-25-99</u> Date

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY /s/ Charlie Beecham

TITLE \_\_\_\_\_

DATE FEB 11 2000

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

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.

*ahst*

NMOC

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer 00, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30065		*Pool Code 71599/72319	*Pool Name Basin Dakota/Blanco Mesaverde
*Property Code 7208	*Property Name JOHNSTON FEDERAL		*Well Number 6B
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6012'

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
D	35	31N	9W		1180	NORTH	790	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
12 Dedicated Acreage DK:W/314.25 MV:W/314.25		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

<p>16</p> <p>LOT 4</p> <p>1180'</p> <p>790'</p> <p>LOT 3</p> <p>LOT 5</p> <p>SF-078439</p> <p>LOT 12</p> <p>LOT 13</p> <p>2613.60'</p>				<p>5219.28'</p> <p>LOT 1</p> <p>LOT 6</p> <p>LOT 8</p> <p>LOT 10</p> <p>LOT 14</p> <p>2638.02'</p>				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Peggy Cole</i></p> <p>Signature Peggy Cole</p> <p>Printed Name Regulatory Administrator</p> <p>Title 10-25-99</p> <p>Date</p>			
<p>5247.00'</p> <p>LOT 11</p> <p>LOT 15</p>				<p>35</p> <p>LOT 9</p> <p>LOT 16</p>				<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 17, 1999</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>NEALE C. EDWARDS NEW MEXICO 6857</p> <p>Certificate Number 6857</p>			

## OPERATIONS PLAN

**Well Name:** Johnston Federal #6B  
**Location:** 1180' FNL, 790' FWL, Sec 35, T-31-N, R-9-W  
San Juan County, NM  
Latitude 36° 51.5, Longitude 107° 45.4  
**Formation:** Blanco Mesa Verde/Basin Dakota  
**Elevation:** 6012' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1593'	
Ojo Alamo	1593'	1643'	aquifer
Kirtland	1643'	2296'	gas
Fruitland	2296'	2831'	gas
Pictured Cliffs	2831'	2961'	gas
Lewis	2961'	3558'	gas
Intermediate TD	3061'		
Mesa Verde	3558'	3912'	gas
Chacra	3912'	4639'	gas
Massive Cliff House	4639'	4714'	gas
Menefee	4714'	5061'	gas
Massive Point Lookout	5061'	5409'	gas
Mancos	5409'	6360'	gas
Gallup	6360'	7079'	gas
Greenhorn	7079'	7124'	gas
Graneros	7124'	7183'	gas
Dakota	7183'		gas
TD	7600'		

### Logging Program:

Open hole - ARI, IEL-GR, CNL, CDL, ML - TD to intermediate  
TD  
Cased hole - CBL-CCL-GR - TD to surface  
Mud logs - from TD to 6500'  
Cores - none

### Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3061'	LSND	8.4-9.0	30-60	no control
3061- 7600'	Gas	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

### Casing Program (as listed, the equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3061'	7"	20.0#	J-55
6 1/4"	2961' - 7600'	5 1/2"	10.5#	K-55

### Tubing Program:

0' - 5409'	1 1/2"	2.76"	J-55
0' - 7600'	1 1/2"	2.90#	J-55

### BOP Specifications, Wellhead and Tests:

#### Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).  
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

#### Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).  
After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

1180' FNL & 790' FWL, SECTION 35, T31N, R9W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO

600' NEW BLM CONSTRUCTION  
NWNW SECTION 35, T31N, R9W.

