

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-078120A Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES 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 Federal G 9. Well Number 24110
4. Location of Well 1505' FSL, 790' FWL Latitude 36° 51.2, Longitude 108° 04.4	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 35, T-31-N, R-12-W API # 30-045-29735
14. Distance in Miles from Nearest Town 4 miles to Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 790'	
16. Acres in Lease	17. Acres Assigned to Well W/ MV-320 W/ DK-320
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1800'	
19. Proposed Depth 6987' 6962'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5941' GR	22. Approx. Date Work will Start 10-9-98
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <i>[Signature]</i> Regulatory/Compliance Administrator	Date

PERMIT NO. _____

APPROVAL DATE

JAN 6 1999

APPROVED BY /S/ Duane W. Spencer

TITLE _____

DATE JAN 6 1999

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.

NMOCD

District I
PO Box 1920, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

District II
PO Drawer 30, Artesia, NM 88211-0719

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

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

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

District IV
PO Box 2033, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045 29735		*Pool Code 71599/72319	*Pool Name Basin Dakota/Blanco Mesaverde
*Property Code 24110	*Property Name FEDERAL G		*Well Number 1A
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5941'

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
L	35	31N	12W		1505	SOUTH	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 Acres DK MV W/320 W/320	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

¹⁶ 2635.38' 2664.42' 5280.66' 790' 1505' 2628.78' 2643.30' 5272.08' 35 SF-078120 A <i>#3 MV 2 DK</i> RECEIVED JAN - 8 1993 OIL CON. DIV. ROOM 3	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 10-9-98 Date
	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. JULY 13, 1998 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6857 Certificate Number

OPERATIONS PLAN

Well Name: Federal G #1E
Location: 1505' FSL, 790' FWL, Sec 35, T-31-N, R-12-W
 San Juan County, NM
 Latitude 36° 51.2, Longitude 108° 04.4
Formation: Blanco Mesaverde/Basin Dakota
Elevation: 5941' GR

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	704'	
Ojo Alamo	704'	816'	aquifer
Kirtland	816'	1720'	
Fruitland	1720'	2314'	gas
Pictured Cliffs	2314'	2476'	gas
Lewis	2476'	3046'	gas
Mesaverde	3046'	3385'	gas
Chacra	3385'	3974'	
Massive Cliff House	3974'	4018'	gas
Menefee	4018'	4655'	gas
Massive Point Lookout	4655'	5001'	gas
Mancos	5001'	5915'	
Gallup	5915'	6661'	gas
Greenhorn	6661'	6715'	gas
Graneros	6715'	6836'	
Dakota	6836'	6962'	gas
Encinal Canyon	6962'		
TD	6962'		

Logging Program:

Mud Logs/Coring/DST -
 Coring - none
 DST - none
 Electric logs - Array Induction; Temp; Density/Neutron

Coring:Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 320'	Spud	8.4-8.9	40-50	no control
320-6962'	LSND	8.4-9.0	40-60	no control

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

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 320'	8 5/8"	24.0#	WC-50
7 7/8"	0' - 6962'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6962' 2 3/8" 4.7# J-55 EUE

1505' FSL & 790' FWL, SECTION 35, T31N, R12W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

500' NEW BLM CONSTRUCTION
300' SW/SW SECTION 35, T31N, R12W
200' NW/SW SECTION 35, T31N, R12W

