

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-078197 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 Nye Federal 4367 9. Well Number 2A
4. Location of Well 1780' FSL, 245' FEL Latitude 36° 44.3, Longitude 107° 54.0	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) 7 Sec. 8, T-29-N, R-10-W API # 30-045-29851
14. Distance in Miles from Nearest Town 5 miles to Blanco	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 245'	
16. Acres in Lease	17. Acres Assigned to Well 308.68
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1700'	
19. Proposed Depth 4970'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5840' 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>[Signature]</u> Regulatory/Compliance Administrator	<u>2-23-99</u> Date

PERMIT NO. _____

APPROVAL DATE

MAR 10 1999

APPROVED BY /S/ Duane W. Spencer

TITLE Team Lead, Petroleum Management

DATE MAR 09

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.

HOLD C104 FOR NS

NMOC

District I
PO Box 1500, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form 3-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

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

FEB 21 1999 10:35 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045 29851		Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 7367	Property Name NYE FEDERAL		Well Number 2A
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 5840'

10 Surface Location

UL or lot no. I	Section 8	Township 29N	Range 10W	Lot 10n	Feet from the 1780	North/South line SOUTH	Feet from the 245	East/West line EAST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres E/308.68	Joint or Infill	Consolidation Code	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

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. Signature Peggy Bradfield Printed Name Regulatory Administrator Title Date 2-23-99	
4 3 2 1					
5 7 8					
12 11 10 9					
13 14 15 16					
2583.90'				2465.76'	
5220.60'				5319.60'	
NMSF-078197				245'	
1780'				JULY 17, 1998 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6850 Certificate No. 8657	

Lease: Triple Combo/Temp/CMR

OPERATIONS PLAN

Well Name: Nye Federal #2A
Location: 1780' FSL, 245' FEL, Sec. 8, T-29-N, R-10-W
San Juan County, NM
Latitude 36° 44.3, Longitude 107° 54.0
Formation: Blanco Mesa Verde
Elevation: 5840'GR

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1015'	
Ojo Alamo	1015'	1120'	
Kirtland	1120'	1865'	
Fruitland	1865'	2233'	
Pictured Cliffs	2233'	2421'	
Lewis	2421'	2845'	
Intermediate TD	2521'		
Huerfanito Bentonite	2845'	2885'	
Chacra	2885'	3891'	
Massive Cliff House	3891'	3941'	
Menefee	3941'	4562'	
Massive Point Lookout	4562'		
TD	4970'		

Logging Program:

AIT/Density/Temp - TD to intermediate casing
GR/Neutron - TD to surface
Magnetic Resonance (CMR) - TD to 3970'

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
200-2521'	LSND	8.4-9.0	30-60	no control
2521-4970'	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>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2521'	7"	20.0#	J-55
6 1/4"	2421' - 4970'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 4970' 2 3/8" 4.70# EUE

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.

BURLINGTON RESOURCES OIL & GAS COMPANY NYE FEDERAL

#2A

1780' FSL & 245' FEL, SECTION 8, T29N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

600' NEW BLM CONSTRUCTION
400' NW/SW SECTION 8, T29N, R10W
200' NE/SE SECTION 8, T29N, R10W

