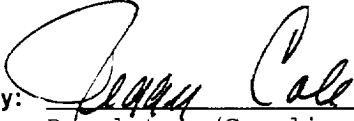


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078508 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 Nordhaus 9. Well Number 1B
4. Location of Well 1170' FSL, 805' FWL Latitude 36° 53.6, Longitude 107° 44.3	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 13, T-31-N, R-9-W API # 30-045-30016 30193
14. Distance in Miles from Nearest Town 10 miles from Navajo Dam	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 805'	17. Acres Assigned to Well 314.08 W/2
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1000'	
19. Proposed Depth 7950'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6465' 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:  Regulatory/Compliance Administrator	12-9-99 Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

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.

ch SC

NMCO

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

P.O. 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

¹ API Number 30-045-30193	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/Basin Dakota
⁴ Property Code 7365	⁵ Property Name NORDHAUS	⁶ Well Number 1B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6465'

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
M	13	31-N	9-W		1170	SOUTH	805	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 MV;DK- W/314.08			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

16 FD. 1966 BLM BRASS CAP LOT 4	LOT 3
LOT 5	LOT 6
LOT 12	LOT 11
LOT 13	LOT 14

5256.31'
N 00-26-57 W
805'
LAT. = 36° 53.6' N.
LONG. = 107° 44.3' W.
1170'
MOUND OF
FD. 1967
BLM BRASS CAP

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 Cole

Printed Name

Regulatory Administrator

Title

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 or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature of Professional Surveyor

8894

REGISTERED PROFESSIONAL LAND SURVEYOR

8894

Certificate Number

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
BURLINGTON RESOURCES OIL & GAS COMPANY

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
1170' FSL, 805' FWL, Sec.13, T-31-N, R-9-W, NMPM

5. Lease Number

6. If Indian, All. or Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Nordhaus #1B
API Well No.
30-045-3007630193

9. Field and Pool
Blanco MV/Basin DK

10. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent ☐ Abandonment ☒ Change of Plans

☐ Subsequent Report ☐ Recompletion ☐ New Construction

☐ Final Abandonment ☒ Plugging Back ☐ Non-Routine Fracturing

☐ ☒ Casing Repair ☐ Water Shut off

☐ ☒ Altering Casing ☐ Conversion to Injection

☐ Other -

13. Describe Proposed or Completed Operations

It is intended to alter the approved casing depths and cement of the subject well:

Revisions:

Mud Program:

Interval	Type	Weight	Fluid Loss
0-200'	Spud	8.4-9.0	No Control
200-3535'	LSND	8.4-9.0	No Control
3535-7950'	Air/Mist	n/a	n/a

Casing Program:

Hole Size	Depth Interval	Casing Size	Weight	Grade
17-1/2"	0-200'	13-3/8"	48#	H-40
10-5/8"	0-3535'	8-5/8"	32#	J-55
7-7/8"	3435-7950'	5-1/2"	15.50#	J-55
Tubing Program:	0-5919'	1-1/2"	2.75# IJ	
	0-7950'	1-1/2"	2.90# EUE	

Cementing Program:

13-3/8" surface casing - 353 sx Class "B" cement with 0.25 pps flocele and 3% calcium chloride (417 cu.ft. of slurry, 200% excess to circulate to surface).

8-5/8" intermediate casing - Lead with 457 sx Class "B" cement with 3% sodium metasilicate, 5 pps Gilsonite, 0.25 pps flocele. Tail with 90 sx Class "B" cement with 2% sodium metasilicate, 2% calcium chloride, 5 pps Gilsonite and 0.25 pps flocele (1485 cu.ft. of slurry, 100% excess to circulate to surface).

8-5/8" intermediate casing (alternative two stage cement job) - 1st Stage with 225 sx Class "B" cement with 2% sodium metasilicate, 2% calcium chloride, 5 pps Gilsonite and 0.25 pps flocele. 2nd Stage with 377 sx Class "B" cement with 3% sodium metasilicate, 5 pps Gilsonite, 0.25 pps flocele. Stage tool at 2612'. (1485 cu.ft. of slurry, 100% excess to circulate to surface).

5-1/2" production liner - 849 sx Class "B" 50/50 poz with 2% gel, 0.25 pps flocele, 5 pps gilsonite, 0.4% fluid loss, 0.1% retardant (1096 cu.ft. of slurry, 40% excess to circulate to top of liner).

Wellhead:

13-3/8" x 8-5/8" x 1-1/2" EUE x 1-1/2" IJ x 5000 psi tree assembly.

14. I hereby certify that the foregoing is true and correct.

Signed Deanne Cole (DWS) Title Regulatory Administrator Date 1/26/00

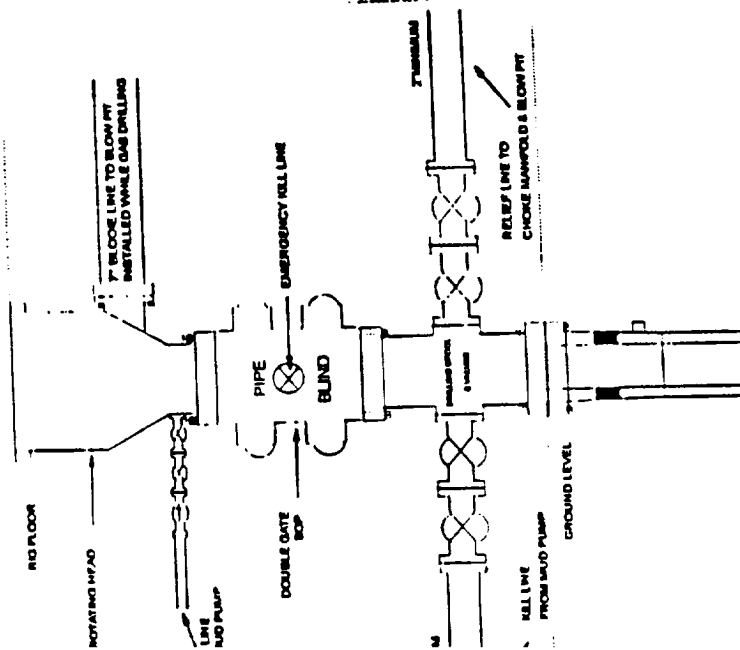
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APPROVED BY Is/ Enrol Becher Title

Date MAR - 9 2000

CONDITION OF APPROVAL, if any:

BOP Configuration 2M psi System

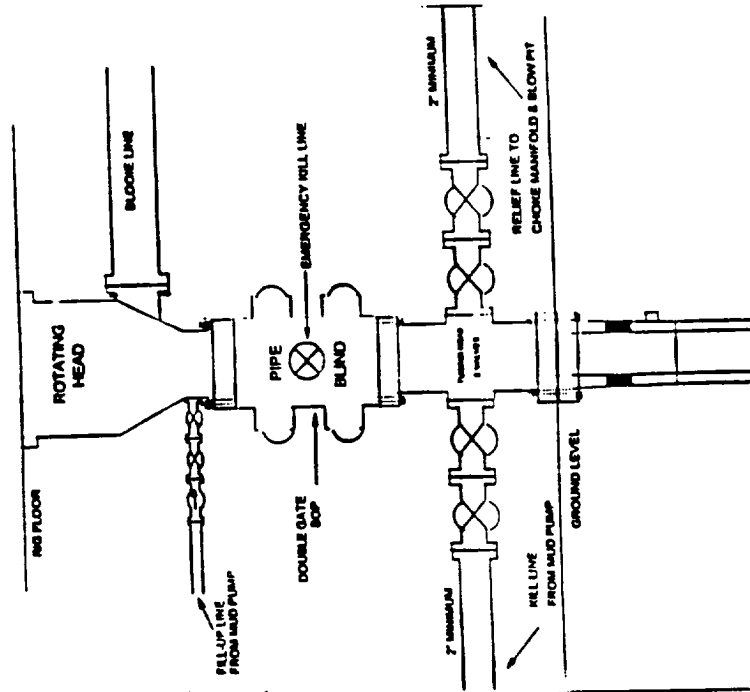


30 in. 2000psi minimum working pressure double gate BOP to be equipped blind end pipe rams. A Schaeffer Type 50 or equivalent rotating head to be installed on the top of the BOP. All equipment is 2000psi working pressure per.

FIGURE #1

BURLINGTON RESOURCES

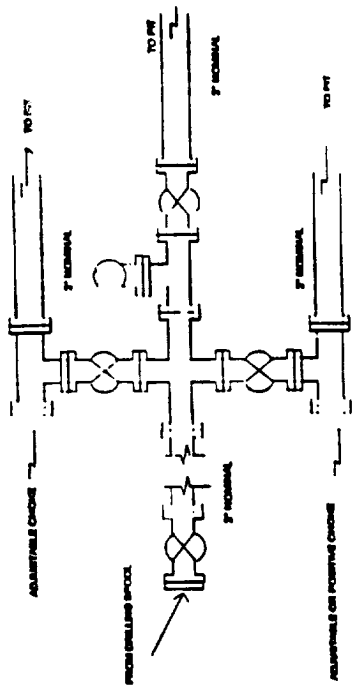
BOP Configuration 2M psi System



Minimum BOP Installation for Completion operations. 7 1/16\" Bore (6\" Nominal). 2,000 psi minimum working pressure double gate BOP to be equipped with blind end pipe rams.

FIGURE #2

Choke Manifold Configuration 2M System



Minimum choke manifold installation from surface to Total Depth. 2\" minimum, 2000psi working pressure equipment with two chokes.

Figure #3

BURLINGTON RESOURCES OIL & GAS COMPANY

NORDHAUS #1B

SW/4 SEC. 13, T-31-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

1170' FSL, 805' FWL

