

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 2004 AUG 17 15E-078508 Unit Reporting Number RECEIVED 6. If Indian, All. or Tribe 070 FARMINGTON NM
1b. Type of Well GAS	
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 #712S
4. Location of Well 1395' FSL, 1035' FEL Latitude 36° 54.5351' N, Longitude 107° 44.6324' W Lot 9	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 11, T31N, R09W API # 30-045- 32535
14. Distance in Miles from Nearest Town 25 miles to highway 550 and highway 173 in Aztec, NM	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1035'	
16. Acres in Lease	17. Acres Assigned to Well E/2 315.88
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52'	
19. Proposed Depth 3127'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6144' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Joni Clark</u> Regulatory/Compliance Specialist	<u>8/12/04</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Wayne Townsend TITLE Acting AFM DATE 2-16-06

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.

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

NMOC

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

DISTRICT II
811 South First, Artesia, N.M. 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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- <u>32535</u>	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 7365	⁵ Property Name NORDHAUS	⁶ Well Number 712S
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6144'

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
1	11	31-N	9-W	9	1395'	SOUTH	1035'	EAST	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 E/2 315.88			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	LOT 4	LOT 3	LOT 2	LOT 1
LOT 5	LOT 6	LOT 7	LOT 8	
LOT 12	LOT 11	LOT 10 LAT: 36°54.5351' N, LONG: 107°44.6324' W. NAD 1927	LOT 9	
LOT 13	LOT 14	LOT 15 N 89-31-41 W 2608.8'	LOT 16	

1035' N 00-03-13 E 2626.6'

1395'

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Joni Clark
Signature

Regulatory Specialist
Printed Name

Title

8/12/04
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.

7-4-04
Date of Survey

Signature and Seal of Professional Surveyor

GLEN W. RUSSELL
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

Submit 3 Copies To Appropriate District
Office
District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103

March 4, 2004

WELL API NO.

30-045- 32535

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

NMSF-078508

7. Lease Name or Unit Agreement Name

Nordhaus

8. Well Number

712S

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐

Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter I : 1395 feet from the South line and 1035 feet from the East line

Section 11 Township 31N Range 9W NMPM County San Juan, NM

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL I Sect 11 Twp 31N Rng 9W Pit type New Drill Depth to Groundwater <50' Distance from nearest fresh water well >1000'

Distance from nearest surface water 200' Below-grade Tank Location UL Sect Twp Rng ;

 feet from the line and feet from the line

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: New Drill Pit ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Burlington Resources proposes to construct a new drill pit. The new drill pit will be a lined pit as detailed in Burlington's general pit plan dated April 26, 2004 on file at the NMOCD office. Burlington Resources anticipates closing the pit according to the general pit permit on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Joni Clark TITLE Regulatory Specialist DATE 8/12/2004

Type or print name Joni Clark

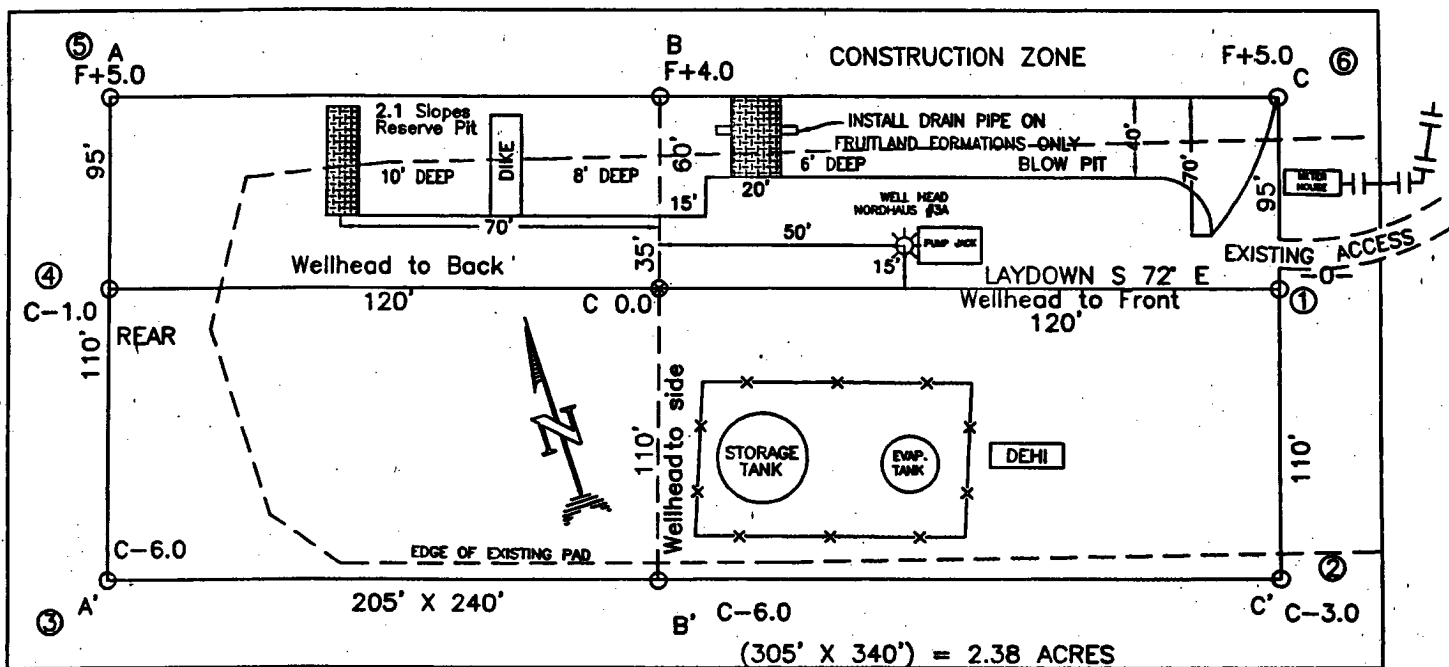
E-mail address: jclark@br-inc.com

Telephone No. 326-9700

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE FEB 21 2006
Conditions of approval, if any:

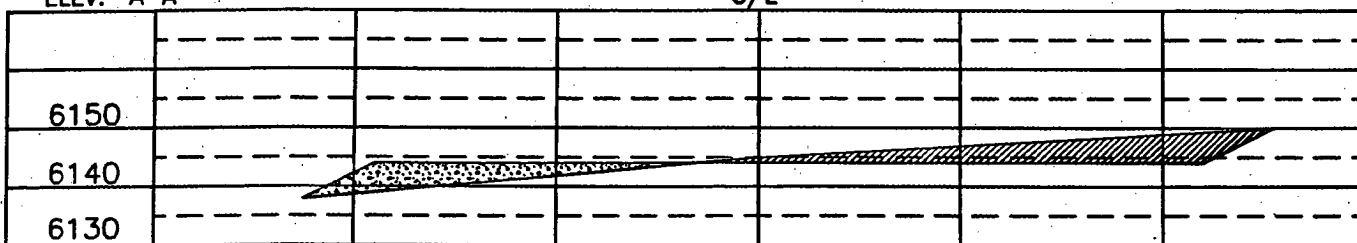
NORDHAUS #712S, 1395' FSL 1035' FEL
SECTION 11, T-31-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6144', DATE: JUNE 3, 2004



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

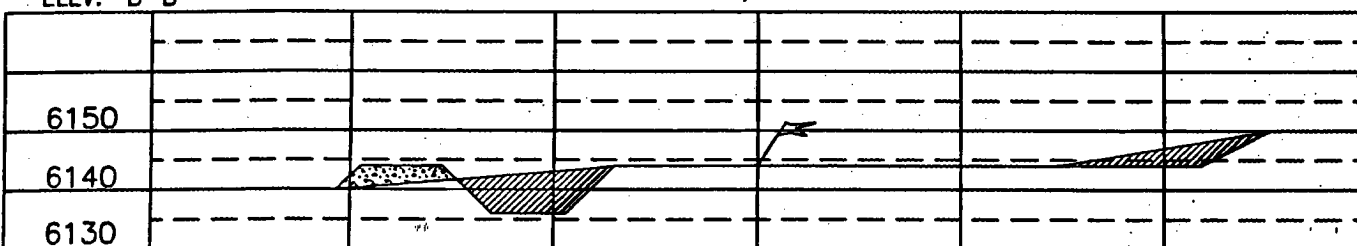
ELEV. A-A'

C/L



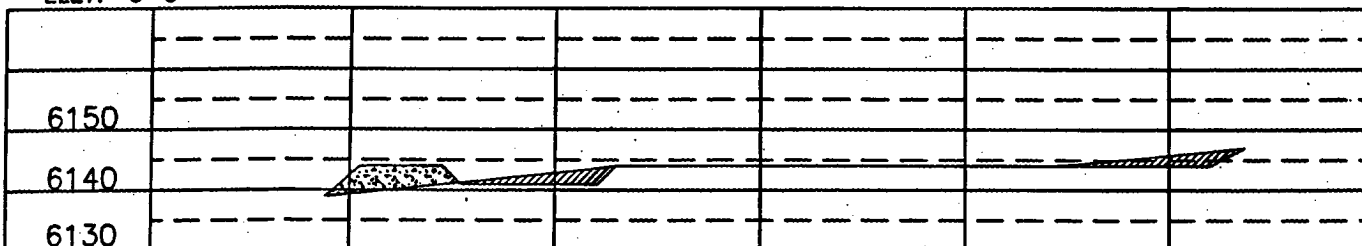
ELEV. B-B'

C/L



ELEV. C-C'

C/L



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES
ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

OPERATIONS PLAN

Well Name: Nordhaus #712S

Location: 1395' FSL, 1035' FEL, Sec 11, T-31-N, R-9-W
San Juan County, NM

Latitude 36° 54.5351'N, Longitude 107° 44.6324'W

Formation: Basin Fruitland Coal

Total Depth: 3127'

Burlington Resources is requesting a sump on this well.

Logging Program: See Walker Koch Wells Master Operations Plan

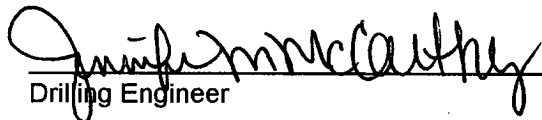
Mud Program: See Walker Koch Wells Master Operations Plan

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

Hole Size	Depth Interval	Csg	Wt.	Grade	Cement	
12 1/4	0' - 200	9.625"	32.3#	H-40	188	cu.ft
8 3/4	0' - 2796	7"	20.0#	J-55	620	cu.ft
6 1/4	2756 - 3127'	5 1/2"	15.5#	J-55	0	cu.ft

Tubing Program: See Walker Koch Wells Master Operations Plan

- * The Fruitland Coal formation will be completed.
- * The east half of Section 11 is dedicated to the Fruitland Coal formation in this well.
- * Gas is dedicated.


Drilling Engineer

8-16-04
Date

MULTI-POINT SURFACE USE PLAN

Nordhaus #712S

- * Anticipated pipeline facilities as shown on the attached plat from Burlington Resources Gathering Inc.
- * No new road will be built.
- * Water Supply will be from Pump Canyon Water Hole located SW Section 36, T-31-N, R-9-W, New Mexico.
- * Surface ownership: Bureau of Land Management
- * During the onsite inspection it was decided that since the well location is twinned on the Nordhaus #3A, a Threatened and Endangered Specied survey would not be required from Burlington Resources.
- * Close access road to the southeast and rehab.
- * Round corner #3 20 feet (don't mess with existing drain above cut slope).
- * Drain above cut slope, ditch east and west 3-1 cut slopes (start cut slope at 2-3 stake line).
- * Lined and step down narrowed pits.
- * Install production equipment southeast corner.
- * Double bag all thistle seed pods.
- * Silt trap on corner #2 to road closure and spill on southeast corner.
- * Archaeological Resources: See Archaeological Survey technical report # from San Juan College.



Regulatory Specialist