

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

8

1a. Type of Work  
DRILL

5. Lease Number  
SF-080655  
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  
28038

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

8. Farm or Lease Name  
Neudecker Com

9. Well Number  
#291

10. Field, Pool, Wildcat  
Basin Fruitland Coal

11. Sec., Twn, Rge, Mer. (NMPM)  
M Sec. 13, T-29-N, R-10-W  
API # 30-045-30549

14. Distance in Miles from Nearest Town  
1.3 miles from P.O. in Blanco, NM

12. County  
San Juan

13. State  
NM

15. Distance from Proposed Location to Nearest Property or Lease Line  
1005'

16. Acres in Lease

17. Acres Assigned to Well  
W/319.8

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease  
358'

19. Proposed Depth  
2291'

20. Rotary or Cable Tools  
Rotary

21. Elevations (DF, FT, GR, Etc.)  
5858' GR

22. Approx. Date Work will Start  
12-8-00

23. Proposed Casing and Cementing Program  
See Operations Plan attached

24. Authorized by: *[Signature]*  
Regulatory/Compliance Supervisor

Date

PERMIT NO. \_\_\_\_\_ APPROVAL DATE 4/26/01

APPROVED BY /s/ Joel Farrell TITLE \_\_\_\_\_ DATE APR 26

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.

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  
PO 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

<sup>1</sup> API Number 30-045- 30549	<sup>2</sup> Pool Code 71629 -	<sup>3</sup> Pool Name Basin Fruitland Coal
<sup>4</sup> Property Code 28038	<sup>5</sup> Property Name NEUDECKER COM	<sup>6</sup> Well Number 291
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS, INC.	<sup>9</sup> Elevation 5858'

### <sup>10</sup> 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	29-N	10-W		1205	SOUTH	1005	WEST	SAN JUAN

### <sup>11</sup> 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
<sup>12</sup> Dedicated Acres W/319.8			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

LOT 4 USA SF-01772-A	LOT 3	LOT 2	LOT 1
LOT 5 USA SF-079509	LOT 6	LOT 7	LOT 8
LOT 11 USA SF-080655 LAT. = 36°43.3' N. LONG. = 107°50.5' W.	LOT 10	LOT 9	
LOT 12	LOT 13		

FD. 3 1/2" BC.  
B.L.M. 1967

2665.00' (M)

1005'

N 00-02-19 E

1205'

N 86-39-10 E

FD. 3 1/2" BC.

### 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 Supervisor

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

Date of Survey

Signature

Seal of Professional Surveyor

8894



## OPERATIONS PLAN

**Well Name:** Neudecker Com #291  
**Location:** 1205' FSL, 1005' FWL Section 13, T-29-N, R-10-W  
Latitude 36° 43.3' N, Longitude 107° 50.5' W  
San Juan County, NM  
**Formation:** Basin Fruitland Coal  
**Elevation:** 5858' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1136'	
Ojo Alamo	1136'	1219'	aquifer
Kirtland	1219'	1929'	gas
Fruitland	1929'	2247'	gas
Pictured Cliffs	2247'	2291'	gas
Total Depth	2291'		

**Logging Program:** Platform Express from TD to surface.

**Mudlog:** 2 Man unit from Ojo Alamo to TD.

**Coring Program:** none

**Mud Program:**

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2291'	Non-dispersed	8.4-9.5	30-60	no control

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
8 3/4"	0' - 120'	7"	20.0#	J-55
6 1/4"	0' - 2291'	4 1/2"	10.5#	K-55

**Tubing Program:**

0' - 2291'	2 3/8"	4.7#	J-55
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**Float Equipment:** 7" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - guide shoe and self-fill float collar. Three centralizers run every fourth joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1219'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

**Wellhead Equipment:** 7" x 4 1/2" x 2 3/8" x 11" 2000 psi xmas tree assembly.

**Cementing:**

7" surface casing - cement with 46 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (54 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi/30 minutes.

4 1/2" production casing - lead w/143 sacks Class "B" with 37#/sx blended silicalite, 3% bentonite, and 4% calcium chloride. Tail with 90 sacks 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride, 1/4#/sack flocele, 5 pps gilsonite (470 cu.ft., 100% excess to circulate to surface).

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

**BOP and tests:**

Surface to TD - 11" 2000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600#/30 min.

Completion - 7 1/6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test blind rams and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

**Additional information:**

- \* The Fruitland Coal formation will be completed.
- \* Anticipated pore pressure for the Fruitland is 750 psi.
- \* This gas is dedicated.
- \* The west half of section 13 is dedicated to the Fruitland Coal.

Date: 12/20/00

Drilling Engineer:

E. J. Giles