

(November 1983)  
(formerly 9-330)

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. Lease Designation & Serial #: SF-079043

6. If Indian, Allottee/Tribe Name

WELL COMPLETION OR RECOMPLETION AND LOG \*

1a. Type of Well: oil well \_\_\_ gas well X dry \_\_\_ other \_\_\_  
b. Type of Completion: new well X work over \_\_\_ deepen \_\_\_  
plug back \_\_\_ diff. resvr. \_\_\_ other \_\_\_

2. Name of Operator: Blackwood & Nichols Co., Ltd.

3. Address of Operator: P.O. Box 1237, Durango, Colorado 81302-1237

4. Location of Well: (Report location clearly, in accordance with any State requirements)\*

At surface

At top prod. interval reported below

1010' FNL, 1310' FEL

At total depth

Permit No.: 30-045-27402

7. Unit Agreement Name:  
Northeast Blanco Unit

8. Farm or Lease Name:  
Northeast Blanco Unit

9. Well No.:  
454

10. Field and Pool, or Wildcat:  
Basin Fruitland Coal

11. Sec., T., R., or Block and  
Survey or Area:  
Sec. 33, T31N, R7W

12. County or Parish: San Juan  
13. State: NM

15. Date Spudded: 10-24-89  
16. Date TD Reached: 7-20-90  
17. Date Compl. (ready to produce): 7-29-90  
18. Elev. (DF, RKB, RT, GR, Etc)\* 6562' RKB  
19. Elev. Csgd. 6548' UG

20. Total Depth, MD & TVD: 3453'  
21. Plug Back TD, MD & TVD: 3453'  
22. If Mult. Comp.: How Many\* N/A  
23. Intervals Drilled By: TD  
Rotary Tools TD  
Cable Tools No

24. Producing Interval(s), of this completion - Top, Bottom, Name (MD and TVD)\*:  
Fruitland Basin Coals, open hole completion from 3125' to 3453'

25. Was Directional Survey Made?  
Yes

26. Type Electric and Other Logs Run:

Mud Log

27. Was Well Cored?  
No

28. CASING RECORD (Report all strings set in well)

| Casing Size | Weight, LB/FT | Depth Set (MD) | Hole Size | Cementing Record     | Amount Pulled        |
|-------------|---------------|----------------|-----------|----------------------|----------------------|
| 9.625"      | 36# K-55      | 332'           | 12.25"    | 295 cf Class B Neat  | 20 Bbls Circ. Cement |
| 7.000"      | 23# J-55      | 3125'          | 8.75"     | 764 cf 65/35 Poz Mix |                      |
|             |               |                |           | 148 cf Class B Neat  | 35 Bbls Circ. Cement |
|             |               |                |           |                      |                      |

LINER RECORD

TUBING RECORD

| Size   | Top (MD) | Bottom (MD) | Sacks Cm:* | Screen (MD) | Size   | Depth Set (MD) | Packer Set (MD) |
|--------|----------|-------------|------------|-------------|--------|----------------|-----------------|
| 5.500" | 3072'    | 3452'       | None       | N/A         | 2.875" | 3371'          | N/A             |
|        |          |             |            |             |        |                |                 |

31. Perforation Record (Interval, size and number):

5.5" Uncemented Pre-perfed Liner  
3161-3178'; 3220-3262'; 3283-3302'; 3305-3347'  
3349-3367'; 3409-3450' (8 HPF, 0.625)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| Depth Interval (MD) | Amount and Kind of Material Used         |
|---------------------|------------------------------------------|
| 3125'-3453'         | Natural, stress relieved the coal zones. |

33. PRODUCTION

Date First Production: Waiting on pipeline  
Production Method (Flowing, gas lift, pumping-size and type of pump): Flowing during completion operation, damp gauge  
Well Status (shut-in): Shut-in

Date of Test: 7-25-90  
Hours Tested: 1 Hr.  
Choke Size: 2" pitot  
Prod'n For Test Period: N/A  
Oil-Bbl N/A  
Gas-MCF N/A  
Water-Bbl N/A  
Gas-Oil Ratio N/A

Flow. Tubing Press: 1175 psig  
Casing Pressure: 1475 psig  
Calculated 24 HR Rate: N/A  
Oil-Bbl N/A  
Gas-MCF 5101 MCFD  
Water-Bbl 560 BWD  
Oil Gravity-API N/A

34. Disposition of Gas (Sold, used for fuel, vented, etc):

Vented

35. List of Attachments:

36. I hereby certify that the foregoing and attached information is complete and correct as determined by the Bureau of Land Management.  
Signed: Roy W. Williams Roy W. Williams Title: Administrative Manager Date: 9/17/90

(See Instructions and Spaces for Additional Data on Reverse Side)

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 representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORD  
Test Witnessed By: D. Baxter  
SEP 24 1990  
BUREAU OF LAND MANAGEMENT

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION             | TOP   | BOTTOM | DESCRIPTION, CONTENTS, ETC |
|-----------------------|-------|--------|----------------------------|
| NEBU# 454             |       |        |                            |
| Fruitland Coal Zones: | 3167' | 3168'  |                            |
|                       | 3240' | 3244'  |                            |
|                       | 3245' | 3246'  |                            |
|                       | 3247' | 3248'  |                            |
|                       | 3253' | 3258'  |                            |
|                       | 3283' | 3290'  |                            |
|                       | 3292' | 3293'  |                            |
|                       | 3298' | 3299'  |                            |
|                       | 3310' | 3311'  |                            |
|                       | 3322' | 3326'  |                            |
|                       | 3356' | 3357'  |                            |
|                       | 3360' | 3362'  |                            |
|                       | 3421' | 3424'  |                            |
|                       | 3425' | 3428'  |                            |
|                       | 3431' | 3444'  |                            |

RECEIVED  
OCT 1 1990  
OIL CON. DIV. 1  
DIST. 3

38. GEOLOGICAL MARKERS

| NAME      | TOP         |                 |
|-----------|-------------|-----------------|
|           | MEAS. DEPTH | TRUE VERT. DEPT |
| PC Tongue | 3368'       |                 |
| Main PC   | 3451'       |                 |