

UNITED STATES
DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

Submit in Duplicate*

5. Lease Designation & Serial #: **SF-079082**

6. If Indian, Allottee/Tribe Name

7. Unit Agreement Name: **NE Blanco Unit**

8. Farm or Lease Name: **NE Blanco Unit**

9. Well No.: **471**

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

11. Sec., T., M., or Block and Survey or Area: **Sec 25, T31N, R8W**

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

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**

4. Location of Well: (Report location clearly, in accordance with any State requirements)*
 At surface
 At top prod. interval reported below **1315' FNL, 1710' FEL**
 At total depth

Permit No.:
30-045-27319

15. Date Spudded: **02-20-90** 16. Date TD Reached: **03-12-90** 17. Date Compl. (ready to produce): **03-20-90** 18. Elev. (DF, RKB, RT, GR, Etc)* **6415' KB** 19. Elev. Csghd. **6401' GL**

20. Total Depth, MD & TVD: **3299'** 21. Plug Back TD, MD & TVD: **3299'** 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 2971' to 3299'

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" | 3# K-55 | 314' | 12.25" | 295 cf Class B Neat | 22 Bbls Circ. Cement |
| 7.000" | 23# K-55 | 2971' | 8.75" | 715 cf 65/35 Poz Mix | |
| | | | | 148 cf of Class B Neat | 20 Bbls Circ. Cement |

| LINER RECORD | | | | TUBING RECORD | | | |
|--------------|----------|-------------|------------|---------------|--------|----------------|-----------------|
| Size | Top (MD) | Bottom (MD) | Sacks Cmt* | Screen (MD) | Size | Depth Set (MD) | Packer Set (MD) |
| 5.50" | 2903' | 3298' | None | N/A | 2.875" | 3192' | N/A |

31. Perforation Record (Interval, size and number):
8 HPF, 0.625"
3106.04-3124.27'; 3165.83'-3295.07'
5.50" predrilled uncemented liner.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
 Depth Interval (MD) **2971'-3299'** Amount and Kind of Material Used **Natural, stress relieved the coal zones.**

33. **PRODUCTION**

Date First Production: **W/O Pipeline** Production Method (Flowing, gas lift, pumping-size and type of pump): **Flowing during completion operation, wet gauge** Well Status (shut-in): **Shut-in**

Date of Test: **03-20-90** 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**

Tubing Press: **1046 psig** Casing Pressure: **(shut-in) 1500 psig** Calculated 24 HR Rate: **N/A** Oil-Bbl **N/A** Gas-MCF **N/A** Water-Bbl **N/A** Oil Gravity **N/A**

34. Disposition of Gas (Sold, used for fuel, vented, etc): **Vented** Test Witnessed by: **APR 24 1990** **Dwinell**

35. List of Attachments: **311000**

36. I hereby certify that the foregoing and attached information in complete and correct as determined from all available records

Signed: **William F. Clark** WILLIAM F. CLARK Title: **OPERATIONS MANAGER** Date: **17 April 90**

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

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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# 471 | | | |
| Fruitland: | | | |
| | 3018' | 3019' | No Electric Logs run; only a Mud Log through the Fruitland Coal Zones: Coal Zones |
| | 3068' | 3069' | |
| | 3111' | 3115' | |
| | 3160' | 3161' | |
| | 3165' | 3173' | |
| | 3177' | 3187' | |
| | 3212' | 3227' | |
| | 3242' | 3243' | |
| | 3270' | 3275' | |
| | 3277' | 3295' | |

38.

GEOLOGICAL MARKERS

| NAME | TOP | |
|---------------|------------------|------------------|
| | MEAS. DEPTH | TRUE VERT. DEPTH |
| Main Pictured | Cliffs: 3297' | 3297' |

FORM APPROVED
Budget Bureau No. 1004-0137
Expires August 31, 1985