

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

SF 079043

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

NEBU Agmt. I, Sec. 929

8. FARM OR LEASE NAME

Northeast Blanco Unit

9. WELL NO.

421

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 4, T30N, R7W

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different interval.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐
2. NAME OF OPERATOR Blackwood & Nichols Co., Ltd.
3. ADDRESS OF OPERATOR P. O. Box 1237, Durango, CO 81302

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

215' FSL - 740' FEL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6211' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐
REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☒

Completion

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

01-06-89 Move in and rig up. Nipple down wellhead, nipple up BOP. Tag stage tool at 2643' and drill out. Pick up a total of 109 jts and tag cement at 3270'. Drill cement to 3274' for PBTD. Run VDL-CBL-CCL logs. Pressure test 5 1/2" casing to 1500 psig, held OK. Perforate 4 JSPF at 3086'-3095' for a total of 36 shots.

01-07-89 Step rate test, break at 2210 and 4.5 BPM. ISIP - 1180, 10 min. - 1150, 15 min. 1100. Total 65 BW pumped. Frac job summary: Used a total of 20,250 gal 30# X-link borate gel with 6,000# 40/70 sand and 32,400# 12/20 Brady sand. Treated at an average 17 BPM at 3100 psig. Max. pressure - 4300 psig, min. - 1836 psig. Job screened out at 8 ppg. Left 22,000# 12/20 in casing. Lost pad, pressured up to 4300, and screened out at 3:14 p.m., 1-6-89. Shut well in for gel to break.

MAR 10 1989

OIL CON. DIV
DIST. 2

(Continued on next page.)

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

SIGNED William F. Clark TITLE Operations Manager
William F. Clark
(This space for Federal or State office use)

DATE March 6, 1989

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

- 01-08-89 Run in hole 2 7/8" saw tooth collar and 2 7/8" tbg. Tagged sand at 2530'. Clean out sand to 3140'. Run Howco 5 1/2" drillable bridge plug, set at 3000'. Pressure test casing to 1000# for 10 minutes, held OK. Perf in three runs under lubricator: 1st: 2932'-2954' (22'); 2nd: 2912'-2932' (20'); 3rd: 2964'-2972' (8'). Net of 50', total 200 shots at 4 SPF, 22 1/2 grams, .48".
- 01-09-89 Frac job summary: Stimulated well with 26,600# 40/70 sand and 220,000# 12/20 Brady sand with 96,936 gal. 30# X-link gel. Treatment averaged 50 BPM at 2750 psig. Max - 2936 psig at 52 BPM; min. - 1820 psig at 50 BPM. ISIP - 2600 psig. Shut in after 5 min. - 2260 psig, 10 min. 2080 psig, 15 min. - 1910 psig. Job completed 1-8-89 at 2:00 p.m. Shut well in.
- 01-10-89 Pick up 4 3/4" bit and 2 7/8" tubing. Tag fill at 2965', top of bridge plug at 2995'. Drill out plug and clean out to PBTD of 3274'.
- 01-11-89 Run in hole with 15 stands to PBTD of 3274', no fill. Run tracer log. Tracer indicates 1st stage frac contained in zone at 3085'-3096'. Pick up notched collar, 1 jt tail pipe, 2 7/8" seating nipple, and 103 jts 2 7/8" tubing for a total of 104 jts 2 7/8" tubing (3137.30'). Tubing landed at 3147', seating nipple at 3115'. Nipple down BOP, nipple up wellhead. Rig down.

RECEIVED
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