

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.

SF 078615-A

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.

441

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

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

Sec. 24, T30N, R8W

12. COUNTY OR PARISH 13. STATE

San Juan 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 reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

89 MAR 15 AM 9:51

2. NAME OF OPERATOR

Blackwood & Nichols Co., Ltd. FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

3. ADDRESS OF OPERATOR

P. O. Box 1237, Durango, CO 81302-1237

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

1420' FNL - 1760' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6358' GL

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACURE TREAT

MULTIPLE COMPLETE

FRACURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

Completion

(Other)

(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.)*

12-07-88 Move in and rig up.

12-08-88 Pick up and run in hole with 4 3/4" bit and 2 7/8" tubing. Tag stage tool at 2740', Howco stage tool set 1 jt higher than original tally. Clean out to float collar at 3456'. Drilled 10' of cement. PBTD - 3456'. Circulate clean 1 hour. Trip out of hole with tubing. Run VDL-CBL-CCL logs. Pressure casing to 1000 psi and rerun bond log over 3150' to 2550'. Good bond over entire first stage under pressure. Pressure tested 5 1/2" casing to 1500 psi for 15 minutes - held OK. Perforated 3192'-3202', 3213'-3218', 3221'-3229', total 132 holes, 22.5 gm, .48". Shut down for night.

(Continued on next page.)

RECEIVED

MAR 21 1989

OIL CON. DIV
DIST. 3

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

SIGNED

William F. Clark

TITLE

Operations Manager ACCEPTED FOR RECORD 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

MAR 16 1989
DATE

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON RESOURCE AREA

BY

SMW

*See Instructions on Reverse Side

NMCS

- 12-10-88 First stage frac: 3192'-3202', 3213'-3218', 3221'-3239', net 33'. Frac summary: Formation broke at 3065 psi and pumped away with pad at 2760 psi. Pressure decreased throughout sand stages to 2430 psi at 10 ppg. Pressured up to 3075 psi on flush. Maximum pressure - 3095. ISIP - 2554 psi, 5 minutes - 2288 psi, 10 minutes - 2150 psi, 15 minutes 2034 psi.* Closure break approximately 2200 psi. Used 88,700 gal. 30# Borate X-Link gel and 27,000# 40/70 sand and 229,000# 12/20 Brady sand. Averaged 2650 psi @ 50 BPM. Shut well in. Rig up to set bridge plug. Run in hole with 5 1/2" Howco drillable bridge plug and setting tool on wireline under high pressure equalizer head. Obstruction at 2888', pick up tool, touch back down at 2847'. Pick up, touch back down at 2820'. Start out of hole; bridge plug caught at 1283'. Set plug, release tool and come out of hole. Shut well in for gel to break.
- 12-11-88 Run in hole with 4 3/4" bit and 2 7/8" tubing. Tag 1' sand and Howco 5 1/2" drillable bridge plug at 1283' KB. Drill out plug. Tag sand with 89 jts at 2863' KB. Drill through bridge at 2863' KB. Run in hole to 3456', circulate hole clean in 3 hours. Leave casing open to pit through 1/4" hoke.
- 12-12-88 Flowing well to pit; no rig activity Sunday.
- 12-13-88 Flowing casing pressure 300 psi through 1/4" choke, well making gas and water. Run in hole to bottom, 3' of fill. Run in hole with Howco 5 1/2" Speed-E-Line drillable bridge plug. Set plug at 3160'. Backside wing valve would not close, handle stripped off. Replace 2 1/16" gate type valve. Pressure test casing with Western truck to 3300 psi - 10 minutes held. Perforated in 2 runs at 4 JSPF, .48", 22.5 gms. First run - 3128'-3139', 3084'-3094'; second run 3097'-3117'.. Total of 152 shots. Second stage frac summary: 23,000# 40/70, 227,000# 12/20 Brady sand, 94,000 gals 30# X-Link gel. Frac complete at 3:30 pm. Maximum pressure 2400 psi, minimum pressure 1900 psi, average treating pressure 2200 psi at 54 BPM. ISIP 1500, 5 minutes - 1400, 10 minutes - 1350, 15 minutes - 1300. Nolte slope flat to slightly positive. Pressures decreased throughout job to flush. Rig down, shut well in overnight.
- 12-14-88 Run in hole with 4 3/4" bit and 2 7/8" tubing. Tag fill at 3130', 30' above bridge plug. Circulate clean and drill out bridge plug. Circulate clean to 3456'. Pick up notched collar, one jt 2 7/8" tail pipe, 2 7/8" seating nipple, and run in hole with 105 jts of 2 7/8" tubing. Ran 106 jts. 2 7/8", 6.4#, J-55, EUE tubing (3277.41'). Tubing landed at 3287' seating nipple at 3256' Nipple down BOP, nipple up wellhead. Rig down.