

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 079060

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 ☐
2. NAME OF OPERATOR Blackwood & Nichols Co., Ltd.
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
160' FNL - 1555' FEL

89 MAR -7 AM 9:53

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

7. UNIT AGREEMENT NAME

NEBU Agmt. I, Sec. 929

8. FARM OR LEASE NAME

Northeast Blanco Unit

9. WELL NO.

429

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

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

Sec. 17, T30N, R7W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

New Mexico

14. PERMIT NO.

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

6257' 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

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Completion

X

(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.)*

01-04-89 Move in and rig up. Nipple up BOP, nipple down wellhead. Run in hole with 2 7/8" tubing. DV tool at 2742'. Pump 1500 psi with rig pump. Unable to open tool and establish circulation. Drill through stage tool with tubing. Shut down for night.

01-05-89 Drill to PBTD at 3417' with 4 3/4" bit and 2 7/8" tubing. Pressure test tubing to 1500 psi for 10 minutes - held pressure. TOH and lay down tubing. Nipple down BOP, nipple up wellhead. Rig down and move off.

01-12-89 Move in and rig up. Run VDL-CBL-CCL logs. Pressure test casing to 1500 psig for 15 minutes - OK. Perforated two runs under lubricator. 1st) 3148'-3158' (10'); 2nd) 3118'-3132' (14'), total of 96 shots JSPF., 22.5 grams, .48". Pick up 4 3/4" bit and 2 7/8" tubing. Run in hole to PBTD at 3406'. Pull out of hole. Shut down. Wait to frac.

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MAR 10 1989

OIL CON. DIV.
DIST. 3

(Continued on next page.)

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

SIGNED

William F. Clark

TITLE

Operations Manager

DATE

March 6, 1989

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCC

DATE

MAR 08 1989

*See Instructions on Reverse Side

FARMINGTON
BY

- 01-15-89 1st stage frac job summary: Stimulated well with 24,000# 40/70 Arizona sand and 42,185# 12/20 Arizona sand with 61,597 gallons 30# X-link HPG gel. Treatment averaged 50 BPM @3000 psig. Max. 4810 psig @50 BPM; minimum - 2640 psig at 50 BPM. ISIP 4012 psig. Shut in after 5 minutes - 3108 psig, 10 minutes 2968 psig, 15 minutes - 2935 psig. Pressured up to 4810 and screened out. Shut in well.
- 01-16-89 Run in hole with 2 7/8" notched collar and 2 7/8" tubing. Tagged bridge at 1550'. Clean out sand to 3200' with tubing. Shut in well for night.
- 01-17-89 5 1/2" drillable bridge plug at 3086'. Pressure test casing to 1000# psi for 10 min. Plug held. Perfed in three runs under lubricator: 1st: 3058'-3063' (5'); 2nd: 3012'-3032' (20'); 3rd: 3000'-3002' (2'), 2969'-2974' (5'), net of 32', total of 128 shots at 4 JSPF, 22 1/2 grams, 48". 2nd stage frac job summary: Stimulated well with 26,500# 40/70 Arizona sand and 110,000 #12/20 Arizona sand with 84,000 gals. 30# crosslinked HPG gel. Treatment averaged 45 BPM @3600 psig. Maximum pressure 5040 psig, minimum pressure 3040 psig. ISIP - 3371 psig, 5 minutes - 3268 psig, 10 minutes - 2900 psig, 15 minutes - 2767 psig. Pumped 6.2 ppg sand at 50 BPM through perforations and began to encounter Nolte pressure increase after 28,500#. Went to spacer at low sand concentration to lower pressure. Pressure dropped to 3800 psig, got back on sand with ramp to 3 ppg. Steadily increased sand concentration to 6 ppg. Pressures dropping slowly, increase sand to 8 ppg before flush. Cut sand to start flush at 3800 psig due to lack of remaining usable fluid. Pump 6 bbls. flush. Well pressured up to 5040 psig. Shut down at 1:10 p.m. Calculate 7,000# sand left in casing. Shut in well.
- 01-18-89 Run in hole with 4 3/4" bit and 2 7/8" tubing. Clean out sand from surface to bridge plug at 3068'. Drilled bridge and tagged sand at 3200'. Clean out sand to PBDT at 3406'. Shut in for the night.

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DET.

- 01-19-89 Run Howco 5-1/2" drillable bridge plug and set at 2230'. Pressure test casing to 1000# for 10 min. Plug held pressure. Perf squeeze holes at 2130' with 2 JSPF, 22.5 grams, .48", 120° phase. Pumped @ 1500 psi, established circulation. Pumped for 30 min. @ 3 BPM. Ran in with Howco cement retainer and 2 7/8" tubing. Set retainer @ 1952'. Pressure test tubing @ 1500 psi for 5 min. Established circulation @ 3 BPM. Cement squeeze as follows: 20 Bbls chemical wash, 5 Bbls water, then slurry of 430 sxs (495 cf) of Class G neat with 10% CaCl₂. Mixed and pumped slurry @ 3 BPM @ 15.8 ppg with 700 psi average pump pressure. Displaced with 11.3 Bbls of water @ 2 BPM to retainer top. Cement job complete at 2:28 p.m. on 1-18-89. Squeeze pressure 500 psi on retainer for 10 min. Circulated chemical wash to surface. Pull out of retainer. Run temperature survey. Found cement top at 242'. Shut down. Waiting on cement.
- 01-21-89 Pick up 4 3/4" bit and 2 7/8" tubing. Drilled to 2010' with tubing. Cement stringers from 1200' to 1920'. 30' of good cement above retainer at 1950'. Drilled out cement and retainer. Shut down for the night.
- 01-22-89 Trip out of hole to pick up new bit. Drill to 2128'. Pressure test squeezed holes to 1500# for 1 hour. Held pressure. Come out of hole with tubing for new bit.
- 01-24-89 Pick up 4 3/4" bit and 2 7/8" tubing. Drill out bridge plug at 2128'. Drill out bridge plug at 3084'. Clean out to PBTD of 3408' with 110 jts 2 7/8". Pick up 2-7/8" notched collar, one jt tailpipe, 2 7/8" seating nipple, and 106 jts tubing. Total of 3185.77' tubing. Tubing landed at 3196', seating nipple at 3166'. Nipple down BOP, nipple up wellhead. Rig down.

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JAN 24 1989