

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Expires August 31, 1985

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.)

5. LEASE DESIGNATION AND SERIAL NO

SF 079060

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME NEBU

Agreement No. I, Sec. 929

8. FARM OR LEASE NAME

Northeast Blanco Unit

9. WELL NO.

407

10. FIELD AND POOL, OR WILDCAT

Undes. Fruitland Coal

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

Sec. 21, T30N, R7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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 and in accordance with any State requirements.
See also space 17 below.)
At surface

930' F/NL, 900' F/EL

14. PERMIT NO.

API 30-045-24217

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

6222' G.L., 6234'

RECEIVED
OCT 17 1988
OIL CON. DIV
DIST. 3

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) Completion

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

XX

(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.)*

- 8-28-88 Replace used casing head with new 11-3M x 9 5/8" casing head. Weld bottom of casing head to 9 5/8" casing. Pressure test between weld and rubber "O" ring to 500 PSI. Nipple up BOP, casing spool and hydrill.
- 8-30-88 Ran in hole with 6 1/4" bit and 92 jts. of 2 7/8" drill pipe. Tag cement at 2866'. Pressure test casing to 1500 PSI, held ok. Drill out cement to top of insert float at 2921'.
- 8-31-88 Ran GR, CDL and CCL; W.L.T.D. 2924'. Ran in hole with 6 1/4" bit, eight 3 1/2" drill collars and 87 jts. 2 7/8" drill pipe. Tagged float collar at 2919'. Drilled through insert float and shoe jts. Started drilling formation at 6 a.m. 8/31/88.
- 9-01-88 Drilled out of 7" casing shoe at 2964' with water (2962' pipe plus 2' K.B. correction); drilling record, circulating water at 3 BPM: 2964' - 2971', very quick - washed through; 2971' - 3013', drilled shale 3-4 minutes per foot (mpf); 3013' - 3030' (17') drilled coal, 3/4 mpf; 3030' - 3035' (5'), drilled fast - coal, 1/2 mpf; 3035' - 3044', shale, 2-3 mpf; 3044' - 3055' (11'), coal, 3/4 mpf; 3055' - 3058', shale, 2-3 mpf; 3058' - 3062' (4'), coal, 1/2 mpf; 3062' - 3069', shale, 2-4 mpf; 3069' - 3080' (11'), coal, 1/2 mpf; 3080' - 3103', shale, 2-3 mpf; 3103' - 3112' (9'), coal, 1/2 mpf; 3111' - 3115', shale, 2 mpf; Final T.D. - 3115' K.B. Drilled open hole section from 2964' - 3115' (151') in 8 hours. Well making water, coal, and shale. Cleaned out coal fines from 3000' to 3115' using water, air, and foam.

(continued on next page)

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

SIGNED William F. Clark
William F. Clark

TITLE Operations Manager

DATE October 5, 1988

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

NMOCC

OCT 14 1988

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

BY

- 9-02-88 Cleaned out open hole from 2964' - 3114'. TOH with 6 1/4" bit for logs. Ran GR-Density log, W.L.T.D. - 3075' due to fill; 7' casing shoe at: 2967' by lot; 2965' by casing tally; and 2964' by drill pipe tally.
- 9-03-88 Ran in hole with 6 1/4" bit, 3 1/2" drill collars (240') and 92 jts. of 2 7/8" drill pipe. Wash through bridge @3069', clean out 2' of fill on bottom.
- 9-05-88 Trip out of hole with 6 1/4" bit. Trip in hole with 2 Amerada pressure bombs and 7" Baker Model R-3 packer and 2 7/8" drill pipe. Set packer at 2931'. Rigged up 2 7/8" TIW valve and swivel at surface; set packer, open downhole and surface valves and flowed well to separators. Started at 21:00 hours on 9-4-88.
- 9-06-88 Shut down hole valve at 16:00 hours (9-5-88). Start 24 hour build-up test. Flow test summary: Gas: Initial - 3,000 MCFD with 600 PSIG; Final - 1,630 MCFD with 280 PSIG back pressure. Water: Initial - 300 BWD; final - 213 BWD; Average - 244 BWD.
- 9-07-88 Flow tested well through test separators.
- 9-08-88 Unseated 7" packer at 2931'. Tripped out of hole with 2 pressure bombs and down-hole test assembly and 94 jts. 2 7/8" drill pipe. Tripped in hole with 6 1/4" bit and 2 7/8" drill pipe. Found bridge at 3060'. Cleaned out to 3115'.
- 9-09-88 Rigged up Cudd pressure control to be able to strip 5 1/2" liner in hole tomorrow. Trip out of hole with 2 7/8" drill pipe and 6 1/4" bit. Used Cudd's BOP stack to trip out of the hole with approximately 20 PSIG back pressure. Ran 8 jts. of 5 1/2", 23.0#, P-110, LT&C casing with Brown 7 x 5 1/2" liner hanger. Note: 5 1/2" casing that is predrilled with 1" holes and plugged. Tagged open hole TD at 3115' by liner tally (no WLTD, TD - 3114' by drill pipe tally). Set Brown liner hanger top at 2870'. Bottom of 5 1/2" at 3113'. Predrilled/perforated liner sections at 2960' - 2980' (20'), 3001' - 3080' (79') and 3090' - 3111' (21') across all the coal zones.
- 9-11-88 5 1/2" liner at 2870' to 3113'. Rigged down Cudd BOP and control equipment. Tripped in hole with 4 1/2" mill and 2 7/8" drill pipe. Started milling on plugs and then within 4 minutes the well unloaded strong.
- 9-12-88 Drilled next 40' of plugs. Well making strong gas flow, no gauge.
- 9-13-88 Milling perf plugs. Circulate hole clean with a 20 bbl. water flush. Let well blow for one hour. Natural gauge - 2,900 MCFD. Trip out of hole with 4 1/2" mill. Ran 97 joints 2 7/8", 6.4#, J-55, EUE, tubing (2989.52') set open ended at 3000' with Baker Model 'F' seating nipple at 2937'. Nipple up wellhead. Final gauge - 2,900 MCFD. Rig released 1:00 p.m. (9-13-88).
- 9-17-88 Recovered blanking plug from F nipple at 2937'.

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

All distances must be from the outer boundaries of the Section.

Operator BLACKWOOD & NICHOLS CO., LTD.		Lease NORTHEAST BLANCO UNIT		Well No. 407
Unit Letter A	Section 21	Township 30 North	Range 7W NMPM	County Rio Arriba
Actual Footage Location of Well:				
930 feet from the north line and		900 feet from the east line		
Ground Level Elev. 6222 (U.G.)	Producing Formation Fruitland Coal	Pool Basin-Fruitland Coal gas		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

<div>RECEIVED DEC 22 1988 OIL CON. DIV DIST. 2</div>	<div>930' 900'</div>		CERTIFICATION	
			<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>William F. Clark</i></p> <p>Name William F. Clark</p> <p>Position Operations Manager</p> <p>Company Blackwood & Nichols Co.</p> <p>Date November 9, 1988</p>	
	Tract 13	SF 079060	<p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p>	
			<p>Date Surveyed March 14, 1988</p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p>Allison L. Kroeger, PLS</p> <p>Certificate No. 7000</p>	