

Form 3160-5  
(November 1983)  
(formerly 9-331)

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
BUREAU OF LAND MANAGEMENT

Submit in Triplicate\*

Form approved  
Budget Bureau No. 1004-0435  
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.)

1. Type of Well: oil well \_\_\_\_\_ gas well X other \_\_\_\_\_

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, in accordance with any State requirements)\*

At surface

At top prod. interval reported below 260' FNL, 2465' FEL

At total depth

5. Lease Designation & Serial #: SE 079083

6. If Indian, Allottee/Tribe Name

7. Unit Agreement Name:  
Northeast Blanco Unit

8. Farm or Lease Name:  
Northeast Blanco Unit

9. Well No.:  
455

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

11. Sec., T., M., or Block and  
Survey or Area:  
Sec. 31, T31N, R7W

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

14. Permit No.:  
30-045-27245

15. Elevations (Show whether DF, RKB, RT, GR, Etc)  
6415' 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: COMPLETION X
- Repairing Well \_\_\_\_\_
- Alternate Casing \_\_\_\_\_
- Abandonment\* \_\_\_\_\_

(Note: Report results of multiple completion on Well Completion or Recompletion Report 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.)\*

9-23-89 Move in, rig up. Nipple up BOP. Test blind rams to 2000# - held OK.

9-24-89 Pick up 6-1/4" bit drill collar, and drillpipe. Drilled out insert float at 2952' and cement to 2960'. Drilling cement 2960-3000' and formation to 3091'. POH. Bit was worn completely out.

9-25-89 TIH with bit no. 2. Drilled 6-1/4" hole from 3094-3312'. Coal returns extremely high with estimated 160 BWPH. Hole extremely sticky.

9-26-89 Worked pipe and circulated hole with water and air. Blowing well, working pipe, hole sticky; heavy returns of coal - medium to large sized. No gauge, hole unstable.

(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: 2 Feb '90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\* See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

**RECEIVED**  
FEB 26 1990

Accepted For Record

**OIL CON. DIV. 1**  
DIST. 3

Chief, Operations  
Mineral Resources  
Flemington, NJ

- 9-27-89 Circulated hole with air and water. Pulled bit into 7" casing and gauged well through 3/4" fixed choke: 1-1/4 hr - 410 psig, 5,218 MCFD (wet). Shut in well for pressure build up: 1 hr - 560 psig. TIH and cleaned out 1' of fill. Circulate hole with air and water. Well making estimated 150 BWH. Pulled into 7" casing and gauged well through 3/4" choke: 5,589 MCFD (wet). Shut in well for build up: 1 hr - 760 psig. Bled well down and TIH and found 2-1/2' of fill; did not circulate.
- 9-28-89 While TOH with drillpipe, well unloaded slug of coal fines and bridged around bit. TIH with drillpipe, small well blow - bridged off downhole. Found coal bridge at 1200'. Circulated out numerous coal bridges from 1200' to 3000' with water holding 400 to 500 psig back pressure on the casing. Circulated to TD and pipe sticky.
- 9-29-89 Well unloaded gas and water and heavy slugs of coal fines. Established circulation with water and worked pipe with bit in 7" casing - hole sticky. Working pipe and circulating water - hole cleaning up.
- 9-30-89 Circulate and work pipe with air and water. Well unloading coal, strong gas and water. Hauling 200 BWH away from pit. Well making coal chunks 1"+ in size. Working pipe - hole sticky.
- 10-01-89 Circulating and working pipe from 3227' with air and water. Bridged off - lost returns.
- 10-02-89 Working stuck pipe, bit at 3005'. Well making small amount of gas and water. Worked pipe and rotated up hole to 3005'.
- 10-03-89 Loaded annulus with water slowly and landed drillpipe in BOP. Nippled up Cudd Pressure Control equipment. Recovered all drillpipe and all drill collars; left bit, bit sub, and cross-over in hole. Strap and caliper ten 4-3/4" drill collars and changed BOP rams.
- 10-04-89 Washing and reaming coal bridges at 3100' with 10.4 ppg polymer/calcium carbonate mud.
- 10-05-89 Washed and reamed from 3100' to 3180'; set down 1000# and had high torque - very rough - on top of fish. Picked up 4-5/8" overshot.
- 10-06-89 TIH with 4-5/8" grapple, tag fish at 3180', worked grapple around fish from 3180' to 3210', unable to clean out deeper. POOH - no fish. TIH with 6-1/4" bit, 4-3/4" drill collar, and 3-1/2" drillpipe. Cleaned out coal bridge from 3205' to 3237'. Pull up to 3215', continued washing and reaming 3215' to 3237'. Well making coal.
- 10-07-89 Clean out coal bridges at 3237-3312' TD. Circulate on bottom 30 minutes.
- 10-08-89 Work bridges 3205-3215' and clean out to TD at 3312'.
- 10-09-89 Rig up to run 5-1/2" casing and 7" x 5-1/2" liner hanger. Run 5-1/2" casing and liner hanger. TIH with liner on 3-1/2" drillpipe, tag at 3222'. Rotate liner through tight hole 3222-3312' TD. Hang liner.
- Liner Summary: Ran 10 jts 5-1/2" 23# P-110 8rd LT&C CF&I new casing (388.14'). Set at 3311' with a Brown V-shoe with float on bottom (PBTD = 3309'). Top of the Brown 7" x 5-1/2" Hiflo liner hanger is at 2913'. From bottom up jts #1, 3, 4, 6, and 8 are fully perforated with 6 holes per foot. Perforations are: 3308-3269'; 3226-3188'; 3185-3149'; 3106-3067'; and 3024-3007'. The perms were not plugged. Thread locked V-shoe. 5-1/2" liner overlaps with 7" casing - 87'. Total liner length - 398'. Perf diameter - 7/8".
- TOH and lay down drillpipe and drill collars. Pick up 4-1/2" mill and 2-7/8" tubing. Mill perf plugs from 3308' - 3007' TOH. lay down mill PU expendable check.
- 10-11-89 Run 2-7/8" tubing in liner 1 jt at a time. Maintain 200 psi back pressure. Flow test 3/4" fixed choke - 220 psi, 2,869 MCFD. Ran 103 jts 2-7/8" 6.5# J-55 EUE 8rd FBNAU new tubing (3124.92'). Set Baker 2-7/8" expendable check on bottom at 3139'. Baker F nipple (2.25" ID) set at 3106'. Nipple down BOP stack and nipple up tree. Drop ball, pump off check @ 1400 psi. Bled tubing through variable choke 3/64". Rigging down to move. Rig Released.