

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 320' FSL, 1250' FWL
At total depth

5. Lease Designation & Serial #: SF-080557
6. If Indian, Allottee/Tribe Name
7. Unit Agreement Name: Northeast Blanco Unit
8. Farm or Lease Name: Northeast Blanco Unit
9. Well No.: 449
10. Field and Pool, or Wildcat: Basin Fruitland Coal
11. Sec., T., M., or Block and Survey or Area: Sec. 19, T31N, R7W
12. County or Parish: San Juan 13. State: NM

14. Permit No.: 30-045-27265
15. Elevations (Show whether DF, RKB, RT, GR, Etc) 6314' 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 _____
- Fracture Treat _____ - Multiple Complete _____ - Fracture Treatment _____ - Alternate Casing _____
- Shoot or Acidize _____ - Abandon* _____ - Shooting or Acidizing _____ - Abandonment* _____
- Repair Well _____ - Change Plans _____ - Other: COMPLETION X
- Other _____ (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.)*

11-16-89 Moved on and rigged up. Pressure tested blind rams to 2000 psig - held OK.
11-17-89 Pick up drill pipe and RIH with 6-1/4" bit, drill collars, 3-1/2" drill pipe. Tag insert float at 2896'. Pressure tested BOP pipe rams to 2000 psig - had to change #3 rams several times, finally held. Drilled float and shoe cement from 2896' to 2941'. Drilled into formation with water. Drilled to 3151'.
11-18-89 Drilling with water. Open hole from 2943' to 3195'. Fruitland coal zones at:
2990' to 2994' (3' net)
3055' to 3063' (8')
3065' to 3070' (5')
3071' to 3074' (3')
3094' to 3105' (11')
3107' to 3109' (2')
3118' to 3119' (1')
3187' to 3190' (3')
Total 36'

Circulate off bottom with water. Circulate and work pipe 6' off bottom with 3 BPM water, three compressors and one booster. Pull into 7" casing for flow test and shut in. Test through 2" line: 1/4 hr - 2.75# mist, 1039 MCFD; 1 hr - 5.00# wet, 1374 MCFD. Shut well in to monitor pressure buildup: 1 hr - 735 psig. Surge well. TIH, 30' fill. Circulate and clean well. Well unloaded large amount of coal with some shale and siltstone.

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

Signed: William F. Clark William F. Clark Title: Operations Manager Date: 31 Jan 90
FEB 08 1990

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE BY _____
* 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.

RECEIVED
FEB 13 1990
OIL CON. DIV
DIST. 3

ACCEPTED FOR RECORD

FARMINGTON RESOURCE AREA

- 11-19-89 Pulled into 7" and gauged well, 2" pitot: 3/4 hr - 615 MCFD (wet). Well making estimated 514 BWD. Shut in: 1/4 hr - 150 psig; 1-1/2 hr - 680 psig. Surged well, TIH and cleaned out a bridge. Blew well with air and water sweeps. Returns heavy coal.
- 11-20-89 Circulating hole and working pipe with air and water sweeps. Shut in for build up: 1 hr - 600 psig.
Surged well, TOH and cleaned out 5' fill. Circulated hole clean.
- 11-21-89 Worked pipe and blew well with air and water. Hole sloughed, hole sticky - worked free and clean. Hole sloughed several more times during the day and returns would be heavy decreasing to light coal. Gauged water production - 561 BWD. Pulled into 7" casing and gauged well, 2" pitot: 1 hr - 464 MCFD (dry). Shut in well for pressure build up: 1 hr - 575 psig. Surged well and TIH. Clean out 5' of fill; hole sticky for an hour, then clean up.
- 11-22-89 Worked sticky hole until clean. TOH and strapped drill pipe. Rigged up and ran 10 jts 5-1/2" casing liner and liner hanger on 3-1/2" drill pipe. Washed last 5 jts of liner to TD with 2.0 MM air, returns light coal. Cleaned out 25' of fill and found open hole TD at 3196'. Blew hole clean. Set liner hanger and packed off seal elements. TOH and lay down drill pipe.

Ran 10 jts (326.08') 5-1/2" 17.0# K-55 8rd LT&C Voest Alpine new casing and 7" x 5-1/2" TIW JGS liner hanger (6.01') with up and down slips and gold seal packer elements; total length - 332.09'. Set TIW LA guide shoe at 3195' and top of liner hanger at 2863', overlap in 7" casing - 78'. Note: 4 jts 5-1/2" liner are predrilled with 1" holes, 4 per foot, and plugged with a 1" x 5/8" ID millable plug; 6 jts are blank casing.
- | Liner Summary: | |
|----------------|-------|
| Top - | 2863' |
| Liner PBTD - | 3193' |
| Shoe - | 3195' |
- | Perforations: | |
|---------------|-------|
| 2983' - | 3000' |
| 3039' - | 3075' |
| 3078' - | 3114' |
| 3175' - | 3192' |
- 11-23-89 Lay down 3-1/2" drill pipe and drill collars. Pick up 2-7/8" tubing. Pick up mill tubing bit sub and F nipple. Establish circulation with air and water; drill plugs out of liner. Clean out to 3192'. POOH and lay down 4-1/2" mill. Pick up expendable check valve and TIH to liner top. Blow well through 3/4" choke: 60 min. - 55 psig; 55 + 12 * 12.365 = 828 MCFD (wet). Estimate water during completion - 561 BWD.
- 11-24-89 Land 2-7/8" tubing. Ran 101 jts (3096.02') 2-7/8" 6.5# J-55 8rd EUE Siderca tubing, set at 3110'. Baker expendable check on bottom, Baker F nipple (2.25" ID) set at 3077'. Drop ball, pump off ball, unload and blow well with air through 3/4" choke, cut off air. Rig down. Release rig, 11/24/89.