

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 2330' FNL, 150' FEL
At total depth

5. Lease Designation & Serial #: SF 079-045
6. If Indian, Allottee/Tribe Name
7. Unit Agreement Name: Northeast Blanco Unit
8. Farm or Lease Name: Northeast Blanco Unit
9. Well No.: 414
10. Field and Pool, or Wildcat: Basin Fruitland Coal
11. Sec., T., M., or Block and Survey or Area: Sec. 30, T31N, R7W
12. County or Parish: San Juan 13. State: NM

14. Permit No.: 30-045-27320
15. Elevations (Show whether DF, RKB, RT, GR, Etc) 6376' 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.)*

11-25-89 Moving Rig to the NEBU #414.

11-26-89 Move in, rig up and 7" casing. Pressure test BOP blind rams to 2000 psig for 30 minutes - held OK. Pick up 6-1/4" bit, and 3-1/2" drill pipe. Tagged top of cement at 2879'. Tested all 3-1/2" rams to 2000 psig for 30 minutes - held OK. Drilled cement from 2879' to 2925'. Insert float at 2880' and shoe at 2925'. Drilled 18' of Fruitland formation from 2925' to 2943'. (MD/JA)

11-27-89 Finished open hole drill out from 2943' to TD at 3282'. Coal intervals: 2980-2981' (1')
2983-2986' (3')
3034-3036' (2')
3041-3042' (1')
3072-3080' (8')
3118-3121' (3')
3124-3138' (14')
3140-3144' (4')
3163-3176' (13')
3265-3272' (7')
3272-3275' (2')
3276-3280' (4')
62'

RECEIVED
JAN 26 1990
OIL CON. DIV.
DIST. 3

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

Signed: *William F. Clark*

William F. Clark

Title: Operations Manager

Date: 16 Jan 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 of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NM0000

11-27-89 Circulated open hole with water. Returns light to moderate coal with shale and sandstone.

Circulated air and water. Returns were light to moderate.

11-28-89 Work pipe and blow hole air and water - returns light to moderate coal and clear water, hole sloughed, well unloaded 3/4" and smaller coal and black water. Work pipe and circulate open hole with many combinations of air and water. Hole would slough, pipe sticky, returns heavy to moderate coal

11-29-89 Circulating on bottom with air and water sweeps.

Work pipe at TD using various air and water combinations. Well sloughed. Heavy coal and black water. Coal returns decreased to very little.

11-30-89 Circulate hole and work pipe at TD; strong well - 5.3 MMCFD (wet) and 90 BWH.

12-01-89 Circulate hole with air and water sweeps. Pulled into 7" casing and gauged well; 2 hrs - 50 psig, 5,548 MCFD (wet).

TIH, no fill; Returns are very light coal and clean water most of the time.

Pulled into 7" casing and circulated hole with water holding back pressure. Rigging up Cudd Pressure Control equipment and pumping 1-1/2 BPM across BOP stack through variable choke holding 150 to 325 psig back pressure on casing.

12-02-89 Finish rigging up snubbing unit and pressure test - Strip out of hole with Cudd. Rig up to snub 5-1/2" casing.

12-03-89 Snub 5-1/2" liner and 7" x 5-1/2" liner hanger. Rig up and strip 5-1/2" liner on 3-1/2" drill pipe. Clean out 3' of fill on bottom. Hang 7" x 5-1/2" liner.

12-03-89 Ran 13 jts (382.78') 5-1/2" 23# P-110 CF&I new casing and 1 jt (39.53') 5-1/2" 23# L-80 NSS new casing (blank), Baker Brown 7" x 5-1/2" Hyflow liner hanger (8.11') with up and down slips and packer element and Brown V-set shoe (1.80'); total length - 433.22'. Set shoe @ 3281' and top of liner at 2849'; overlap 76'. Liner has 2 full perforated jts and 4-1/2 perforated jts; with four P-110 blank jts and one L-80 blank jt and three P-110 1/2 blank jts; perforated jts have 8 HPF, 1" drilled with plug .625" ID.

		<u>Perforations:</u>
Top -	2849'	2977' to 2995'
5-1/2" PBTD -	3279'	3018' to 3035'
Shoe -	3281'	3059' to 3097'
		3119' to 3157'
		3159' to 3177'
		3260' to 3278'

Rig up and lay down 3-1/2" drill pipe and setting tool and drill collars.

12-04-89 Picked up 4-1/2" skirt mill, and 2-7/8" tubing, then stripped into well. Milled perf plugs from 2977' to 3279' holding 125 to 200 psig back pressure through 2" relief line; water gauged at 90 BWH. Rig up to snub 2-7/8" expendable check in hole.

12-05-89 Snub 2-7/8" expendable check valve. Rig down snubbing equipment. TIH. Tag at 3279'. Blow well with air.

Ran 101 jts (3096.16') 2-7/8" 6.4# J-55 EUE FBNAU Siderca tubing with expendable check at 3110' and F nipple (2.25" ID) at 3078'.

Nipple down BOP and nipple up upper tree. Pump off expendable check valve. Flow well up tubing through 3/4" fixed choke 1 hour, flowing tubing pressure: 245 psi, 3,178 MCFD (wet). Rig Released 12-05-89.