

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SF 079042  
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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Blackwood &amp; Nichols Co., Ltd.</p> <p>3. ADDRESS OF OPERATOR P. O. Box 1237, Durango, Colorado 81302</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 195' FNL, 790' FEL</p> <p>14. PERMIT NO. 30-045-273091</p>	<p>7. UNIT AGREEMENT NAME Northeast Blanco Unit</p> <p>8. FARM OR LEASE NAME Northeast Blanco Unit</p> <p>9. WELL NO. 432</p> <p>10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA Sec. 7, T30N, R7W</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE New Mexico</p>
<p>15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6146' GL 6301'</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/></p> <p>(Other) <input checked="" type="checkbox"/> Completion</p>
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(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED WORK. 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.\*

09-07-89 Move on location, rig up.

09-08-89 Nipple up BOP stack and flow manifold and choke manifold; tested 7" casing and blind rams to 1500 psig; held OK. Picked up 6-1/4" bit. Drilled cement to float at 2961'; drilled shoe cement and into open hole with water.

09-09-89 Drill 3184' to 3216' TD. Hole started making coal in moderate amount. Making 60-70 BWPH.

09-10-89 Enlarging coal seam with air and water. Estimated 40 BWPH water.

09-11-89 Naturally gauging well through 3/4" fixed choke, FCP 340 psig; 4,352 MCDFD (wet). Gauge through 2" relief line, pitot tube - 40 psig: 4,653 MCDFD (wet); making estimated 25 BWPH.

09-12-89 Circulating hole with air. Shut in well for pressure build up. 1 Hr - 1010; 1-1/2 Hr - 1100 psig. Slowly blew well down.

Continued on next page - Page 1 of 2

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

SIGNED William F. Clark TITLE Operations Manager DATE 19 Dec 89

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE FEB 02 1990

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

- 09-13-89 Circulated well with air and water sweeps.
- 09-14-89 Stripped and snubbed drillpipe. Picked up liner hanger and prepared to run.
- 09-15-89 Snubbed 5-1/2" liner casing into hole.
- 09-16-89 Clean out with air and water. Lay down 5-1/2" liner, nipple down snubbing unit. Pick up 6-1/4" bit. Tag bridge at 2140'. Wash and ream to bottom.
- 09-17-89 TIH with 5-1/2" liner.
- 09-18-89 Completed TIH with 5-1/2" liner on 3-1/2" drillpipe. Circulated out 5' of fill from 3211' to 3216', open hole TD. Circulate hole clean with 2 BPM water then set liner hanger at 2918'.

Liner Summary: ran 8 jts 5-1/2" 23# P-110 casing (296.39'), including 5-1/2" gyser guide shoe (1.50'), 3 perforated jts (103.63'), one blank jt (40.00'), two perforated jts (60.95'), two blank jts (82.06'), then Brown (Baker) 7" x 5-1/2" HiFlo liner hanger - CMS (8.25'). Top of liner at 2919'; 5-1/2" liner shoe at 3215'; perforations, 8 pre-drilled 1" holes per foot, at 3009' to 3069' and 3109' to 3213'. Picked up 4-1/2" skirt mill, 2-7/8" tubing. TIH and milled perf plugs on 5-1/2" liner in 6 hours.

Pulled mill up to 3200' and rigged up Wireline Specialist; did a chemical cut on 2-7/8" tubing 5' up from float. Left in hole 7.62' of mill (.058'), bit sub (2.05'), and 2-7/8" cut off (5'). Cut successful.

Ran 101 jts 2-7/8" 6.5# J-55 EUE, FBNAU new tubing (3184.94' less cut off - 7.62' = 3177.32'). Set open ended tubing end at 3190' and F nipple at 3132'. Landed tubing donut and started nipping down BOP stack.

- 09-19-89 Rig released. Nipped down BOP stack and nipped up wellhead; well flowing up casing out two 3/4" choke lines while installing wellhead; FCP - 180 psig. Shut one 3/4" choke line and continued flowing well one 3/4" fixed choke; natural gauge: 1/4 hr - 225 psig; 1/2 hr - 260; psig FCP. Final gauge - 4105 MCFD (wet).

Rigged down Rig.