

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill, deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

**SUBMIT IN TRIPLICATE**

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

2. Name of Operator: Blackwood & Nichols Co., Ltd.

3. Address of Operator: P.O. Box 1237, Durango, CO 81302-1237

4. Location of Well: (Footage, Sec., T., R., M., or Survey Description)

475' FML, 425' FWL - Section 20, T31N, R6W

5. Lease Designation & Serial #:

SF-078988

6. If Indian, Allottee/Tribe Name

7. If Unit or CA, Agmt. Design.:

Northeast Blanco Unit

8. Well Name and No.:

N.E.B.U.# 500

9. API Well No.:

30-045-27687

10. Field & Pool/Expltry Area:

Basin Fruitland Coal

11. County or Parish, State:

San Juan, New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: COMPLETION
	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

13. 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.)\*

See Addendum for a full description of the open hole "stress relieve" type coal completion.

RECEIVED  
OCT 1 1990  
OIL CON. DIV. I  
DIST. 3

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

Signed: R. W. Williams ROY W. WILLIAMS Title: ADMINISTRATIVE MANAGER Date: 9/17/90

(This space for Federal or State office use)

Approved By \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any: NMOC

ACCEPTED FOR RECORD  
SEP 24 1990  
FARMINGTON RESOURCE AREA  
BY mt

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit #500 - Basin Fruitland Coal

LOCATION: 475' FNL, 425' FWL  
Section 20, T31N, R6W  
San Juan County, New Mexico

8-08-90 7" casing at 3011'.

Pick up drill pipe.

Move in and rig up Aztec #56. Pressure test blind rams, casing and manifold valves and HCR valves to 2000 psi - held OK.

Pick up drill pipe out of baskets and tally.

Pick up 6-1/4" Smith FDTL, SN #KM9729, bit sub with float, string float, 1 4-3/4" drill collar, N nipple (1.875" ID) and 10 drill collars, 1 jt 3-1/2" drill pipe, F nipple (2.25" ID) and safety sub (OAL 379.25').

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Completion Report

Northeast Blanco Unit #500 - Basin Fruitland Coal

LOCATION: 475' FNL, 425' FWL  
Section 20, T31N, R6W  
San Juan County, New Mexico

8-09-90 Drilling at 3304'.

TIH with 3-1/2" drill pipe, tag cement at 2958'.

Pick up swivel, test pipe rams, 7" casing, HCR and manual valves to 2000 psi - held OK.

Drill cement, float (2963') and shoe at 3008'.

Drill Fruitland Coal 3008' - 3038' with 10,000# WOB 5-1/2 BPM water, 375 psi, 120 rpm, lost 1100 bbl water.

Wait on water.

Rig up flow line to circulate through mud pit.

Drill Fruitland Coal 3038' - 3304'.

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Northeast Blanco Unit #500 - Basin Fruitland Coal

LOCATION: 475' FNL, 425' FWL  
Section 20, T31N, R6W  
San Juan County, New Mexico

8-10-90 7" casing at 3008'. Open hole 3008' - 3336'.

Circulate at TD with 5-1/2 BPM water.

Drilling Fruitland Coal at 3304'-3319' with 10,000# WOB, 5-1/2 BPM water, 375 psi, 120 RPM. Had high torque and some drag, bit quit drilling.

POOH for new bit. Pick up new Smith 6-1/4" FDTL SN# KM9728, 20-20-20 jets. TIH, ream from 3288'-3336'.

Drill Fruitland Coal from 3319-3336'.

Coal intervals:

3008-11'	(3')
3017-18'	(1')
3021-22'	(1')
3041-42'	(1')
3050-57'	(7')
3061-62'	(1')
3065-74'	(9')
3097-02'	(5')
3162-69'	(7')
3181-83'	(2')
3209-16'	(7')
3327-28'	(1')
3330-32'	(2')
	<u>47'</u>

Top of PC tongue - 3217'  
Top of Main PC - 3334'  
Total Depth - 3336'

NEBU #500 - Completion Report  
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Circulate and work pipe at TD with 5.5 BPM water.  
Returns very light coal in clear water, getting some  
floating coal.

6' flare through both blooie lines.

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Completion Report

Northeast Blanco Unit #500 - Basin Fruitland Coal

LOCATION: 475' FNL, 425' FWL  
Section 20, T31N, R6W  
San Juan County, New Mexico

8-11-90 Circulate and work pipe at TD with 2 MM air and 10 bbl sweeps every 1/2 hr.

Circulate and work pipe at TD with 5 1/2 - 1 BPM water, 350 - 0 psi. Returns very light coal fines in clear water.

Circulate and work pipe at TD with 1 MM air and 3 - 1 BPM water at 150 - 0 psi. Returns same as above.

Circulate and work pipe at TD with 2 MM air and 3 - 1 BPM water at 250 - 50 psi. Returns light coal fines in clear water.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 10 bbl water sweeps each 1/2 hour. Returns light 1/8" and less coal in clear water on sweeps, otherwise very light coal fines in clear water.

Estimated gas - 286 MCFPD.

8-12-90 Circulate and work pipe at TD with 2 MM air and 6 BPM water with 10 bbl water sweeps each hour.

Circulate and work pipe at TD with 1 MM air and 1 BPM water. Very light coal fines in clear water.

Short trip, gauge well through 2" pitot: 1/4, 1/2, 3/4 and 1 hr - 3-1/2 oz, 286 MCFPD (all gauges dry). Shut in for pressure build up: 1/4 hr - 75 psi; 1/2 hr - 150 psi; 3/4 hr - 200 psi; 1 hr - 300 psi.

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August 13, 1990

8-12-90      Pressure up to 1000 psi with air, surge well.    TIH, no  
(con't.)      fill.

Circulate and work pipe at TD with 2 MM air and 1 BPM water. Returns very light coal, siltstone and shale in clear water.

Short trip, pressure up to 1000 followed by 25 bbl water, followed by air to 1000 psi. Surge well, had five feet fill.

Circulate and work pipe at TD with 2 MM air and 1 BPM water, with 10 bbl water sweeps hourly. Returns light to moderate coal, siltstone and shale in black water on sweeps.

8-13-90      Circulate and work pipe at TD with 2 MM air and 1 BPM water.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 10 bbl water sweeps hourly. Light coal in clear water.

Short trip gauge well through 2" pitot: 1/4 hr - 2 oz., 264 MCFPD; 1/2 hr, 3/4 hr, 1 hr - 4 oz., 309 MCFPD (all gauges dry). 56 BPD water.

Pressure up to 1000 psi followed by 20 bbl water. Pressure back up to 1000 psi. TIH, had 4' of fill.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 20 bbl sweeps each hour. Light coal shale and siltstone in gray water on sweeps.

Short trip, pressure up with air and water to 1300 psi and surged well twice at 1300 psi. TIH, had 3' fill.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 15 bbl water sweeps each hour. Light coal, shale and siltstone on sweeps.

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(303) 247-0728

Completion Report

Northeast Blanco Unit No. 500 - Basin Fruitland Coal

LOCATION: 475' FNL, 425' FWL  
Section 20, T31N, R6W  
San Juan County, New Mexico

8-14-90 Circulating and working pipe at TD with 2 MM air and 1 BPM water with 10 Bbl water sweeps hourly.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 15 Bbl water sweeps hourly. Returns very light coal and siltstone on sweeps.

Short trip, gauge well through 2" pitot: 1/4, 1/2, 3/4, and 1 hr - 7 oz., 404 MCFD (dry).

Pressure up to 1300 psi with air and water, surge well. TIH, had 2' fill.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 10 Bbl water sweeps hourly. Returns very light coal and siltstone on sweeps.

Short trip, pressure up with air and water to 1300 psi. Surge well. TIH, had 3' fill.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 10 Bbl water sweeps every 1/2 hour. Returns moderate 1/8" coal, shale and siltstone in black water on sweeps.

Estimated 50 Bbls water per day.



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Completion Report

Northeast Blanco Unit No. 500 - Basin Fruitland Coal

LOCATION: 475' FNL, 425' FWL  
Section 20, T31N, R6W  
San Juan County, New Mexico

8-15-90 Circulating and working pipe at TD with 3 MM air and 1 BPM water with 10 Bbl water sweeps each 1/2 hour.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 10 Bbl sweeps each hour. Returns 1/8" coal, shale and siltstone in clear to gray water on sweeps.

Short trip to gauge well through 2" line: 1/4, 1/2, 3/4, and 1 hr - 8 oz., 434 MCFD (all gauges dry)., pressure up casing with water and air to 1300 psi, surge well. TIH, no fill.

Circulate and work pipe at TD with 3 MM air and 1 BPM water with 10 Bbl water sweeps each 1/2 hour. Returns light 1/8" coal in clear to gray water.

Short trip to 7" casing , pressure up well to 1300 psi twice and surge well twice. TIH, 3' fill.

Circulate and work pipe at TD with 3 MM air and 1 BPM water with 10 Bbl water sweeps each 1/2 hour. Returns light 1/8" coal in clear water; in gray water on sweeps.

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Completion Report

Northeast Blanco Unit No. 500 - Basin Fruitland Coal

LOCATION: 475' FNL, 425' FWL  
Section 20, T31N, R6W  
San Juan County, New Mexico

8-16-90 Blowing well and rigging down.

Short trip to 7" casing, run pitot test #5 through 2" line: 1/4 and 1/2 hr - 7 oz., 404 MCFD; 3/4 and 1 hr - 8 oz., 434 MCFD (all gauges dry).

Pressure up casing with air and water to 1300 psi and surge well. RIH, no fill.

Circulate and work pipe at TD with 4 MM air and 1 BPM water with 10 Bbl water sweeps every 1/2 hour. Returns light 1/8" coal, shale and siltstone in clear water; gray water on sweeps.

Short trip to 7" casing, pressure up casing to 1300 psi twice, surge well twice. TIH, no fill.

Circulate and work pipe at TD with 4 MM air and 1 BPM water. Returns heavy 1/8" coal, shale and siltstone in black water with floating powder for 1-1/2 hours, then light coal in clear water.

Lay down 3-1/2" drill pipe, change rams to 2-3/8".

Pick up 2-3/8" tubing, TIH.

Nipple down BOP, nipple up upper tree.

Pump expendable check off, blow well.

Rig down.

Ran 98 jts (3023.97') 2-3/8" 4.7# J-55 USS FBNAU tubing, set at 3037.94' with F nipple (1.81" ID) at 3005.62'.

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LOCATION: 475' FNL, 425' FWL  
Section 20, T31N, R6W  
San Juan County, New Mexico

8-17-90 Rig released.

Finish rigging down. Rig released at 12:00 p.m.,  
8-16-90.