

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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)

2335' FNL, 1143' FEL - Section 30, 13N, 10W

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

5. Lease Designation & Serial #:

NM-03357

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.# 497

9. API Well No.:

30-039-24625

10. Field & Pool/Expltry Area:

Basin Fruitland Coal

11. County or Parish, State:

Rio Arriba, 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 tight open hole "stress relieve" type coal operation.

**RECEIVED**

SEP 07 1990

OIL CON. DIV  
DIST. 3

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

Signed: R. W. Williams ROY W. WILLIAMS

Title: ADMINISTRATIVE MANAGER

Date: 8/20/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved By \_\_\_\_\_ Title \_\_\_\_\_ SEP 05 1990

Conditions of approval, if any:

NMOCD

FARMINGTON RESOURCE AREA  
BY 22T

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 497 - Basin Fruitland Coal

LOCATION: 2335' FNL, 1143' FEL  
Section 30, T31N, R6W,  
Rio Arriba County, New Mexico

5-21-90 7" casing at 3127'; open hole 3127-3170'.

Drilling Fruitland coal @ 3170'.

Move in and rig up Big "A" Rig No. 25. Pressure test blind rams and 7" casing to 2000 psi - held OK.

Pick up 6-1/4" Smith FDT bit, SN# KN1578 (jets 24-22-22), float sub, drill collar, N nipple (1.875" ID), 10 drill collars, 1 jt drill pipe N nipple (2.25" ID). 333.85' drill collar length. Pick up 87 jts 3-1/2" drill pipe, tag cement at 3074'.

Pick up swivel, pressure test both pipe rams, HRC valves, and manifold to 2000 psi - held OK.

Drill plug and float at 3082'; drill shoe jt and shoe at 3127'.

Drill Fruitland coal to 3170' with 8000# WOB, 100 RPM, 1200 psi pump pressure, and 6.5 BPM water.

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Northeast Blanco Unit No. 497 - Basin Fruitland Coal

LOCATION: 2335' FNL, 1143' FEL  
Section 30, T31N, R6W,  
Rio Arriba County, New Mexico

5-22-90 7" casing at 3127'; open hole 3127-3466'.

Working pipe at TD with 5 BPM water.

Drill Fruitland coal with 8000# WOB, 100 RPM, and 1200 psi pump pressure with 6.5 BPM water.

Rig repair.

Drill and circulate samples. TD hole at 3466'.

Work pipe at TD with 6.5 BPM water. Reduce pump rate 1/2 Bbl every 3 hours. Returns light coal in clear water; 30-40' flare.

Coal Intervals:	3186-3188'	( 2')
	3190-3191'	( 1')
	3197-3198'	( 1')
	3202-3203'	( 1')
	3226-3227'	( 1')
	3237-3239'	( 2')
	3252-3253'	( 1')
	3280-3282'	( 2')
	3312-3323'	(11')
	3368-3372'	( 4')
	3373-3375'	( 2')
	3377-3378'	( 1')
	3385-3386'	( 1')
	3455-3463'	( 8')

Total 38'

Top of PC Tongue	3389'
Top of Main PC	3464'
TD	3466'

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Section 30, T31N, R6W,  
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5-23-90 7" casing at 3127'; open hole 3127-3466'.

Working pipe at TD with 2 MM air and 3 BPM water.

Work pipe at TD with 5 BPM water, reducing pump rate 1/2 BPM per hour down to 1 BPM water. Returns very light coal (90%) with shale and siltstone in clear water.

Work pipe at TD with 1 MM air and 5 BPM water, reducing pump rate 1/2 Bbl per hour. Returns very light coal (90%), shale and siltstone in clear water.

Work pipe at TD with 2 MM air and 5 BPM water, reducing pump rate 1/2 Bbl per hour down to 2 BPM water. Returns very light coal. No torque, no drag. 30' flare.

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LOCATION: 2335' FNL, 1143' FEL  
Section 30, T31N, R6W,  
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5-24-90 7" casing at 3127'; open hole 3127-3466'.

Running pitot test #2.

Circulate and work pipe at TD with 1.3 MM air and 3 BPM water, reducing rate 1/2 Bbl per hour. Returns very light coal.

Circulate and work pipe at TD with 1.3 MM air and 5 Bbl water sweeps every 15 minutes. Returns light coal and heavy coal dust in black water on sweeps.

Circulate and work pipe with 1.3 MM air and 5 Bbl water sweeps every 30 minutes. Returns same as above.

Circulate and work pipe with 1.3 MM air and 5 Bbl water sweeps every hour. Returns light coal, 1/8" and less (95%) with shale and siltstone with heavy coal dust in black water on sweeps. No hole problems.

Pull into 7" casing for pitot test #1 and shut in test #1. Pitot test: initial - 9 psi, 1865 MCFD; 1/4 hr - 8 psi, 1756; 3/4 and 1 hr - 7.5 psi, 1702 MCFD (all gauges dry). Shut in test: 1/4 hr - 275 psi; 1/2 hr - 600; 3/4 hr - 800; 1 hr - 950 psi.

TIH, had 5' fill. Clean out to TD with air and water.

Circulate and work pipe at TD with 1.3 MM air and 5 Bbl water sweeps every hour. Returns moderate to light coal 1/8" and less (95%) with shale and siltstone with heavy coal dust in black water. Gas increasing. No hole problems.

Pull into 7" casing for pitot test #2 and shut in test #2.

Bucket test - 114 BPD water.

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Northeast Blanco Unit No. 497 - Basin Fruitland Coal

LOCATION: 2335' FNL, 1143' FEL  
Section 30, T31N, R6W,  
Rio Arriba County, New Mexico

5-25-90 7" casing at 3127'; open hole 3127-3466'.

Pulling into 7" casing for pitot test #4.

Run 2" pitot test #2 and shut in test #2. Pitot test:  
1/4, 1/2, 3/4, and 1 hr - 7.5 psi, 1702 MCFD (dry). Shut  
in test: 1/4 hr - 275 psi; 1/2 hr - 525; 3/4 hr - 700;  
1 hr - 825 psi.

Bleed well to 800 psi and surge well. RIH, 2.5' of fill.  
Clean out to TD with air and water.

Work pipe at TD with 1.3 MM air and 5 Bbl water sweeps  
hourly. Returns moderate to light 1/8" and less coal  
(95%), shale and siltstone. Coal dust in black water on  
sweeps.

Pull into 7" casing, bit at 3112'. Run 2" pitot test #3  
and shut in test #3. Pitot test: 1/4 hr - 8 psi, 1756  
MCFD; 1/2, 3/4, and 1 hr - 7.5 psi, 1702 MCFD (all gauges  
dry). Shut in test: 1/4 hr - 300 psi; 1/2 hr - 600; 3/4  
hr - 750; 1 hr - 850 psi.

Surge well with 850 psi. RIH, had 3' fill. Clean out  
to TD.

Work pipe at TD with 1.3 MM air alternating 5 and 10 Bbl  
water sweeps every hour. Returns light coal (95%) shale  
and siltstone. Black water on sweeps. No hole problems.

5 gal. bucket test: 114 BPD water.

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Northeast Blanco Unit No. 497 - Basin Fruitland Coal

LOCATION: 2335' FNL, 1143' FEL  
Section 30, T31N, R6W,  
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5-26-90 Laying down 3-1/2" drill pipe.

Pull into 7" casing for pitot test #4: 1/4 hr - 8.0 oz., 1756 MCFD; 1/2, 3/4, and 1 hr - 7.5 oz., 1702 MCFD (all gauges dry).

TIH, had 1/2' fill. Clean out to TD with water and air.

Circulate and work pipe at TD with 1.29 MM air, alternating 5 and 10 Bbl water sweeps each hour. Returns on sweeps, light 1/8" and less coal (95%), and heavy coal dust in black water. No hole problems.

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

Estimated daily cost: \$ 9,016

Estimated cumulative cost: \$57,281

5-27-90 Rig released.

Lay down drill pipe and drill collars.

Change over and run 2-7/8" tubing with an expendable check on bottom and F nipple 1 jt up.

Run 101 jts (3111.31') 2-7/8" 6.5# J-55 8rd EUE FBNAU USS tubing, set at 3128' with a Barter Equipment expendable check valve on bottom and a Baker F nipple (2.25" ID) 1 jt up. Set at 3095'.

Nipple down BOPs and nipple up upper tree.

Pump off expendable check. Unload hole; flow well up tubing.

Rig down. Rig released at 8:00 a.m., 5-27-90.