

*(December 1989)

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)

925' FSL, 910' FEL - 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.# 499

9. API Well No.:

30-039-24733

10. Field & Pool/Explrty 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 13 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)

Approved By _____ Title _____ Date _____
Conditions of approval, if any:

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 499 - Basin Fruitland Coal

LOCATION: 925' FSL, 910' FEL
Section 20, T31N, R6W,
Rio Arriba County, New Mexico

5-28-90 Drilling Fruitland formation at 3108'.

Move in and rig up Big "A" Rig No. 25. Test blind rams and 7" casing to 2000 psi for 30 minutes - held OK.

Pick up 6-1/4" Security S33F bit, SN# 524597, (jets: 22-22-22), float sub, one 4-3/4" drill collar, N nipple (1.875" ID), ten 4-3/4" drill collars, 1 jt 3-1/2" drill pipe, and F nipple (2.25" ID) - total length 365.42'.

Pick up 3-1/2" drill pipe, tag at 2978'. Pick up and rig up power swivel.

Test all 3-1/2" pipe rams, 4-1/16" manifold valves to 2000 psi for 30 minutes - held OK.

Drilled float at 2979', cement and 7" casing shoe at 3019'.

Drilling Fruitland formation at 3019-3108' with 8000# WOB, 8 BPM water and 100 RPM @ 900 psi.

Estimated daily cost: \$18,858

Estimated cumulative cost: \$18,858

5-29-90 Working pipe at TD with 1/2 BPM water.

Drill Fruitland coal 3108-3209' with 8000# WOB, 8 BPM water, and 1001 RPM @ 900 psi.

Coal Intervals:	3037-3039'	(2')
	3040-3041'	(1')
	3051-3052'	(1')
	3055-3057'	(2')
	3067-3068'	(1')
	3086-3088'	(2')
	3157-3166'	(9')
	3167-3170'	(3')
	3190-3191'	(1')
	3192-3195'	(3')
	3196-3197'	(1')
	Total	26'

(Cont'd)

5-29-90	Top of PC Tongue	3174'
	Top of Main PC	3207'
	TD	3209'

Circulate with 5 BPM water. Returns clear water with no flare.

Circulate at TD with 5 BPM water, decreasing to 1/2 RPM water at 800 psi decreasing to 0 psi. Returns clear water. Flare burning up inside blooie line.

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LOCATION: 925' FSL, 910' FEL
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5-30-90 Working pipe at TD with 1.3 MM air and 5 Bbl water sweeps every hour.

Work pipe at TD with 1/2 BPM water. Returns clear water. Flare burning inside one blooie line.

Work pipe at TD with 0.7 MM air and 3.4 BPM water, reducing water rate 1/2 BPM every hour down to 1/2 BPM. Returns clear water.

Work pipe at TD with 1.3 MM air and 6 BPM water, reducing pump rate 1/2 Bbl per hour down to 1/2 BPM. Returns light coal dust through 2 blooie lines.

Work pipe at TD with 1.3 MM air and 5 Bbl water sweeps every 15 minutes. Returns moderate to light 1/4" and less coal and coal dust.

Work pipe at TD with 1.3 MM air and 5 Bbl water sweeps every 30 minutes. Returns light coal dust.

Work pipe at TD with 1.3 MM air and 5 Bbl water sweeps every hour. Returns light coal dust in clear water.

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LOCATION: 925' FSL, 910' FEL
Section 20, T31N, R6W,
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5-31-90 Running shut in test #2.

Work pipe at TD with 1.3 MM air alternating 5 and 10 Bbl water sweeps every hour. Returns light coal dust and clear water. Drill pipe pressure 200 psi.

Pull into 7" casing, bit at 3017'. Run 2" pitot test #1: 1/4, 1/2, 3/4, and 1 hr - 1 oz., 158 MCFD (all gauges dry). Shut in test #1: 1/4 hr - 8 psi; 1/2 hr - 76; 3/4 hr - 120; 1 hr - 140 psi. Maximum shut in 140 psi after 1 hour. Surge well, RIH, no fill.

Work pipe at TD with 1.3 MM air alternating 5 and 10 Bbl water sweeps every hour. Returns light 1/4" and less coal (80%), shale and siltstone, coal dust in clear water; 200 psi.

Pull into 7" casing for pitot test #2: 1/4 hr - 3/4 oz., 136 MCFD; 1/2, 3/4, and 1 hr - 1 oz., 158 MCFD (all gauges dry).

Lost 1330 Bbls water to formation since drill out.

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Northeast Blanco Unit No. 499 - Basin Fruitland Coal

LOCATION: 925' FSL, 910' FEL
Section 20, T31N, R6W,
Rio Arriba County, New Mexico

6-1-90 Running shut in test #4.

Run 2 hour shut in test #2: 1/4 hr - 30 psi; 1/2 hr - 80;
3/4 hr - 140; 1 hr - 170; 1-1/4 hrs - 200; 1-1/2 hrs - 235;
1-3/4 hrs - 270; 2 hrs - 285 psi. Maximum 285 psi.
Pressure up to 800 psi with air, surge well, TIH, no fill.

Work pipe at TD with 1.3 MM air alternating 5 and 10 Bbl
water sweeps every hour.

Pull into 7" casing, run pitot test #3 and shut in test #3.
Pitot test: 1/4, 1/2, 3/4, and 1 hr - 1 oz., 158 MCFD
(dry). Shut in test: 1/4 hr - 42 psi; 1/2 hr - 84; 3/4 hr
- 135; 1 hr - 170 psi. Pressure up with air to 1100 psi,
RIH, no fill.

Work pipe at TD with 1.3 MM air alternating 5 and 10 Bbl
water sweeps every hour. Returns clear water.

Pull into 7" casing, run pitot test #4: 1/4, 1/2, 3/4, and
1 hr - 1 oz., 158 MCFD (dry).

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Completion Report

Northeast Blanco Unit No. 499 - Basin Fruitland Coal

LOCATION: 925' FSL, 910' FEL
Section 20, T31N, R6W,
Rio Arriba County, New Mexico

6-02-90 Working pipe at TD with 1.3 MM air alternating 5 and 10 Bbl water sweeps each hour.

Run shut in test #4: 1/4 hr - 75 psi; 1/2 hr - 125; 3/4 hr - 155; 1 hr - 180 psi. Pressure up with air to 1400 psi, surge well. RIH, had 3' fill. Clean out with air and water. Returns moderate 1/2" and less coal (98%), shale and siltstone in clear water.

Work pipe at TD with 1.3 MM air and 5 Bbls water sweeps each 1/2 hr for 4 hours. Returns moderate 1/4" and less coal (90%), shale and siltstone in clear water. Then 5 Bbl water sweeps per hour. Returns very light coal on sweeps.

Pull into 7", run 1 hour pitot test #5: 1/4 hr - 3.5 oz., 286 MCFD (dry); 1/2, 3/4, and 1 hr - 4.0 oz., 323 MCFD. Shut in test #5: 1/4 hr - 70 psi; 1/2 hr - 120; 3/4 hr - 130; 1 hr - 225 psi. Pressure up with air to 1100 psi, surge well, RIH, had 1' fill. Returns moderate 1/4" and less coal (98%) in clear water.

Work pipe at TD with 1.3 MM air alternating 5 and 10 Bbl water sweeps per hour. Returns very light 1/8" and less coal (95%) shale and siltstone on sweeps in clear water.
()

6-03-90 Laying down drill pipe.

Pull into 7" casing. Run pitot test #6 on 1" line: 1/4, 1/2, 3/4, and 1 hr - 4.5 psi, 326 MCFD (dry). RIH, had 1' fill. Clean out with air and water.

Work pipe at TD with 1.3 MM air alternating 5 and 10 Bbl water sweeps per hour. Returns very light 1/8" and less coal (98%), shale and siltstone in clear water on sweeps. Hole taking fluid, no torque, no drag.

(Cont'd)

6-03-90 Rig up and lay down drill pipe. :)

6-04-90 Rigging down.

Lay down drill collars.

Change rams, rig up floor to run tubing.

Run 97 jts (2988.72') 2-3/8" 4.7# J-55 NBNAU USS tubing with expendable check on bottom, F nipple (1.81" ID) 1 jt up.

Land donut in tubing head. Nipple down blooie line, HCR valves, and stack. Nipple up tree, pump off expendable check with 1400 psi with air, flow back through 1".

Expendable check at 3002.82'; top of F nipple at 2969.97'.

Total water lost to formation - 1550 Bbls.

Gas - 326 MCFD; water - too small to measure.

Rig down. Rig released at 8:00 a.m., 6-04-90. :