

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)

798' FSL, 793' FWL - Section 26, T3N, R7W

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

5. Lease Designation & Serial #:

SF-079010

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.# 474

9. API Well No.:

30-045-27570

10. Field & Pool/Explrty 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 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: 8/16/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved By _____ Title _____ Date SEP 05 1990
Conditions of approval, if any:

FARMINGTON RESOURCE AREA

NMOCD

BY 227

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 474 - Basin Fruitland Coal

LOCATION: 798' FSL, 793' FWL
Section 26, T31N, R7W,
San Juan County, New Mexico

4-30-90 Waiting on mud logger.

Move in and rig up Big 'A' Rig No. 23, 4-29-90. Nipple up stack, test blind rams to 2000 psi for 30 minutes - held OK.

Test manifold to 2000 psi for 30 minutes - held OK.

Put drill collars and drill pipe on rack and tally.

Pick up Smith 6-1/4" FDT, SN# KM9731 (jets: 20-20-20), bottom hole collar, float sub, F nipple (1.875" ID), and 10 drill collars. Test 4-3/4" pipe rams, 1 jt drill pipe, and F nipple (2.25" ID). 79 jts of 3-1/2" drill pipe. Tag cement at 2827'. Rig up power swivel and break circulation. Test 3-1/2" pipe rams to 2000 psi for 30 minutes - held OK. Test HCR valves - held OK.

Drill cement 2827-2869', float collar at 2830'.

Wait on mud logger.

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Completion Report

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LOCATION: 798' FSL, 793' FWL
Section 26, T31N, R7W,
San Juan County, New Mexico

5-01-90 Drilling Fruitland coal at 3146' with 12,000# WOB and 60
RPM at 700 psi.

Wait on mud logger.

Drill cement from 2869-2876'.

Drill Fruitland coal 2876-3146'. Drilled 32' net coal,
have not drilled basal yet. PC tongue at 3075'.

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Completion Report

Northeast Blanco Unit No. 474 - Basin Fruitland Coal

LOCATION: 798' FSL, 793' FWL
Section 26, T31N, R7W,
San Juan County, New Mexico

5-02-90 7" casing at 2875'; open hole 2875-3194'. Bucket test
102 BPD water. Estimated gas 150 MCFD.

Working pipe at TD with 1 MM air and 4 BPM water at 350
psi. Returns very light 1/16" coal (50%), shale and
siltstone.

Drilling Fruitland coal 3146-3194', 12,000# WOB, 60 RPM
at 700 psi.

Coal Intervals:	2951-2953'	2'
	2984-2990'	6'
	2991-2998'	7'
	3013-3020'	7'
	3021-3022'	1'
	3023-3026'	3'
	3052-3057'	5'
	3171-3075'	4'
	3177-3180'	3'
	3182-3186'	4'
	3189-3191'	2'
	Total Coal	44'

Top of PC Tongue - 3075'
Top of Main PC - 3192'
TD - 3194'

Work pipe at TD with 5 BPM water at 550 psi. Returns
very light coal (95%), shale and siltstone in clear
water.

Work pipe at TD with 4 BPM water. Returns very light
1/16" coal (95%), shale and siltstone in clear water.

Work pipe at TD with 4 decreasing to 1 BPM water.
Returns very light 1/16" coal (95%), shale and siltstone
in clear water.

Work pipe at TD with 1 Bbl sweep every 15 minutes.
Returns very light 1/16" coal (90%), shale and siltstone
in clear water.

(Cont'd)

5-02-90 Work pipe at TD with 1 MM air and 5 BPM water at 350 psi.
Returns very light 1/16" coal (90%), shale and siltstone.

Work pipe at TD with 1 MM air and 4 BPM water at 350 psi.
Returns very light 1/16" coal (50%), shale and siltstone
in clear water

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Completion Report

Northeast Blanco Unit No. 474 - Basin Fruitland Coal

LOCATION: 798' FSL, 793' FWL
Section 26, T31N, R7W,
San Juan County, New Mexico

5-03-90 7" casing at 2875'; open hole 2875-3194'.

Circulating and blowing well with air and water.

Circulate with 1 MM air and 4 BPM water @ 350 psi.
Returns very light 1/16" coal (50%), shale and siltstone
in clear water.

Circulate with 1 MM air and 2 BPM water @ 300 psi.
Returns moderate 1/4-1/16" coal (95%), shale and
siltstone in clear water.

Circulate with 1 MM air and 2 BPM water @ 300 psi.
Returns light 1/4-1/16" coal (95%), shale and siltstone
in clear water (lots of 1/4" pyrite).

Circulate with 1 MM air and 2 BPM water @ 300 to 600 psi.
Cut water off for 20 minutes every hour. Resume pumping
@ 2 BPM. Returns light to moderate 1/2-1/16" coal with
some very fine coal (98%), shale and siltstone in black
to gray water.

Circulate with 1 MM air and 2 BPM water. Cut water off
10 minutes every hour. Resume pumping @ 2 BPM. Returns
moderate to heavy 1" to 1/16" coal with very fine coal
(98%), shale and siltstone in black to gray water.

Bucket test - 268 BPD water.

Estimated gas production - 250 MCFD.

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Completion Report

Northeast Blanco Unit No. 474 - Basin Fruitland Coal

LOCATION: 798' FSL, 793' FWL
Section 26, T31N, R7W,
San Juan County, New Mexico

5-4-90 7" casing at 2875'; open hole 2875-3194' TD.

Pitot testing well.

Circulate and blow well with 1 MM air and 2 BPM water @ 300 psi. Returns moderate to light 1/4-1/16" coal (98%), shale and siltstone in gray to clear water.

Circulate and blow well with 1 MM air and 2 BPM water @ 300 psi. Returns light 1/4-1/16" coal (98%), shale and siltstone in clear water.

Pull and lay down 10 jts for pitot test. Well died, blow with 1 MM air. Unload well. Shut down compressors. Let well blow 1/2 hr, begin pitot test through 2" line: 1/4 hr - 4 oz., 309 MCFD; 1/2, 3/4, and 1 hr - 1 oz., 158 MCFD (all gauges dry).

Shut well in, monitor pressure build up: 1/4 hr - 50 psi; 1/2 hr - 160 psi; 3/4 hr - 240 psi; 1 hr - 380 psi; 1-1/2 hrs - 500 psi. Surge well through blooie line.

Blow well down and circulate to bottom. Clean out bridge @ 3014' and clean 4' of fill to TD. Circulate with 7 BPM @ 500 psi.

Circulate and blow well with 1 MM air and 2 BPM water @ 300 psi. Returns heavy 1/2-1/16" coal (98%), shale and siltstone in black to clear water. Shut pump down 20 minutes every hour. Resume pumping. Returns heavy to light 1/2-1/16" coal (98%), shale and siltstone in black to clear water.

Pull into 7" casing to pitot test well through 2" line: 1/4 hr - 9 oz., 464 MCFD; 1/2 and 3/4 hr - 4 oz., 309 MCFD; 1 hr and 1-1/2 hrs - 2 oz., 217 MCFD (all gauges dry).

Bucket test - 246 BPD water.

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Completion Report

Northeast Blanco Unit No. 474 - Basin Fruitland Coal

LOCATION: 798' FSL, 793' FWL
Section 26, T31N, R7W,
San Juan County, New Mexico

5-05-90 7" casing at 2875'; open hole 2875-3194'.

Flow testing well.

Shut well in, monitor pressure build up: 1/4 hr - 60 psi;
1/2 hr - 140; 3/4 hr - 230; 1 hr - 350 psi.

Pressure up on well down annulus with air to 1000 psi.
Surge well through blooie line. Well blew down in 15
minutes.

TIH washing to TD. Circulate with 7 BPM water @ 500 psi.
Bridge @ 2970' with 90' of fill. Returns heavy 1/16-1"
coal (98%), shale and siltstone in black water.

Circulate with 1 MM air and 5 BPM water @ 350 psi.
Returns very heavy 1/16-1/8" coal (98%), shale and
siltstone in black water.

Circulate with 2 MM air and 3 BPM water @ 350 psi.
Returns 1/16-1/4" coal (98%), shale and siltstone in
black water.

Pull into 7" casing, pressure casing down annulus with
air to 1200 psi. Surge well through blooie lines.

Circulate with 7 BPM water and wash to bottom. Returns
heavy coal (98%), shale and siltstone in black water.

Circulate with 2 MM air and 5 decreasing to 2 BPM water.
Returns heavy and moderate 1/16-1" coal (98%), shale and
siltstone in black water.

Pull into 7" casing. Pitot gauge well through 2" line:
1/4 hr - 10 oz., 492 MCFD (heavy mist); 1/2 hr - 6 oz.,
372 MCFD (light mist); 3/4 hr - 4 oz., 309 MCFD (dry);
1 hr - 1 oz., 158 MCFD (heavy mist).

J
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5-06-90 7" casing at 2875'; open hole 2875-3194'.

Circulating and working pipe at TD.

Circulate and wash to bottom with 1 MM air and 3 BPM water @ 350 psi. Returns heavy 1/4" and less coal (98%), shale and siltstone in black water.

Lay down 2 jts. Circulate and work pipe 3117-3148' with 1 MM air and 3 BPM water @ 350 psi. Returns heavy 1/4" and smaller coal (98%), shale and siltstone in black water.

Clean out to TD with 3 MM air and 4 BPM water @ 600 psi. Returns heavy 3/8" and smaller coal (98%), shale and siltstone in black water.

Circulate and work pipe at 3194' with 3 MM air and 4 BPM increasing to 2.5 BPM water @ 600, decreasing to 450, psi. Returns heavy 3/8" and less coal (98%), shale and siltstone in black to gray water.

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5-07-90 7" casing at 2875'; open hole 2875-3194'.

Work pipe at TD with 2 MM air and 3 BPM water @ 300 psi. Returns light 1/4" coal and siltstone in clear water.

Work pipe at TD with 3 MM air and 2.5 BPM water @ 450 psi. Moderate 3/8" and smaller coal, shale and siltstone in gray water.

Hole sticky. Lay down 2 jts drill pipe. Returns very heavy coal in black water.

Wash to bottom with 2 MM air and 5 BPM water @ 650 psi. Returns heavy 1/4" and smaller coal, shale and siltstone in black water.

Work pipe at TD with 3 MM air and 5 BPM decreasing to 4.5 BPM water @ 650 psi decreasing to 550 psi. Returns light to moderate 1/4" and less coal in gray water.

Hole sticky, 12-15,000# drag up and down. Increase water to 5 BPM. Returns heavy 1/4" and less coal in black water, becoming light 1/4" coal in clear water.

(Cont'd)

5-07-90 Work pipe at TD with 3 MM air and 5 BPM decreasing to 4 BPM water @ 650 psi decreasing to 500 psi. Returns light 1/4" coal and siltstone in clear water. Hole free.

Hole sticky, pressure to 800 psi. Returns very heavy 1" coal and siltstone in black water.

Work pipe at TD with 2 MM air and 5 BPM decreasing to 3 BPM water @ 500 psi decreasing to 300 psi. Returns heavy to light 1-1/4" coal, shale and siltstone in black water going to clear water. Hole free. ---"

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Completion Report

Northeast Blanco Unit No. 474 - Basin Fruitland Coal

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Section 26, T31N, R7W,
San Juan County, New Mexico

5-08-90 7" casing at 2875'; open hole 2875-3194'.

Cleaning out 4' fill, preparing to POOH.

Work pipe at TD with 2 MM air and 2 BPM water at 300 psi. Returns light 1/4" and smaller coal, shale and siltstone in clear water.

Work pipe at TD with 2 MM air and 2.5 BPM decreasing to 1 BPM water @ 500 psi decreasing to 200 psi. Returns light 1/4" coal, shale and siltstone in clear water.

Hole sloughed, stopped rotation, lay down 5 jts drill pipe.

Clean out to TD with 2 MM air and 4 BPM water. Returns heavy 1-1/4" coal going to light 1/4" coal in clear water.

Work pipe at TD with 2 MM air and 4 BPM decreasing to 2 BPM water @ 400 psi decreasing to 200 psi. Returns light 1/4" coal and siltstone in clear water.

Short trip to 7", TIH, had 4' of fill.

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5-09-90 7" casing at 2875'; open hole 2875-3194'.

TIH with expendable check and F nipple.

Circulate out 4' of fill after short trip.

POOH and strap drill pipe. Prepare to run liner.

Run 5-1/2" liner and 7" x 5-1/2" liner hanger on 3-1/2" drill pipe. Pick up power swivel. Hole tight at 3026'. Rotate and wash 5-1/2 jts of drill pipe to TD at 3194'. Pick up 1', hang and packoff liner hanger.

Sting out of liner hanger and circulate hole clean.

TOOH and lay down 3-1/2" drill pipe and liner hanger setting tool. Trip drill collars and lay down same.

Change over to pick up 2-3/8" tubing.

Pick up 4-3/4" plug mill, F nipple 1 jt up, and 2-3/8" tubing. Tag liner at 2813'. Pick up power swivel and circulate. Tag top perf at 2941'. Mill out plugs 2941-3191'. Clean out to TD.

TOOH with mill.

TIH with 2-3/8" expendable check valve, F nipple 1 jt up, and 2-3/8" tubing.

Run 10 jts (368.32') 5-1/2" 17# K-55 8rd casing, set at 3193' with a Baker set shoe on bottom. Top of 7" x 5-1/2" Brown liner hanger at 2813'. Liner overlap 62'. Perforations 2941-2956', 2979-3073', 3152-3191'.

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Section 26, T31N, R7W,
San Juan County, New Mexico

5-10-90 Rig released.

Waiting on trucks to move to NEBU #476; trucks to be on location at 7:00 a.m.

TIH with expendable check and F nipple, land tubing with donut in tubing head.

Nipple down BOP and install wellhead.

Start rigging down rig and equipment. Call in for ball to drop on expendable check.

Drop ball and pump out . 1200 psi to pump ball out check. Tubing has small blow, no water.

Release rig. Waiting on trucks.

Flow well to pit through a 2" line for 4 hours. Well surging and unloading gas-cut water. Average pitot gauge - 15 oz., 600 MCFD.

Ran 97 jts (2989.06') 2-3/8" 4/7# J-55 8rd FBNAU US Steel tubing, set at 2975' with Baker expendable check valve on bottom. A Baker F nipple (1.8125" ID) is set at 2944'.