

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 TRIPPLICATE

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)

1730' FSL, 740' FWL - Section 6, T34N, R6W

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

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.# 426

9. API Well No.:

30-045-27584

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 tight open hole "stress relieve" type coal operation.

RECEIVED

SEP 07 1990

CON. DIV

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

Signed: ROY W. WILLIAMS ROY W. WILLIAMS

Title: ADMINISTRATIVE MANAGER

Date: 8/20/90

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

Date: SEP 05 1990

FARMINGTON RESOURCE AREA

BY 227

NMOCD

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. 426 - Basin Fruitland Coal

LOCATION: 1730' FSL, 740' FWL
Section 6, T31N, R6W,
San Juan County, New Mexico

5-23-90 Drilling Fruitland coal at 3034' with 10,000# WOB and 60 RPM @ 800 psi.

Move in and rig up Big "A" Rig No. 23. Rig up and inspect drill collars, drill pipe, and all subs. Nipple up BOP; test blind rams and manifold valves to 2000 psi for 30 minutes - held OK.

Strap drill collars and pick up 6-1/4" Smith FDT bit SN# FM9765 (jets: 20-20-20), float sub with float, F nipple (1.81" ID), 10 drill collars, N nipple (2.25" ID), 1 jt drill pipe and crossover sub with float. Test 4-3/4" rams to 2000 psi for 30 minutes - held OK.

Strap 3-1/2" drill pipe and run 85 jts, tag float at 2986'. Test 3-1/2" pipe rams to 2000 psi for 30 minutes - held OK.

Drill float collar and shoe jt. Test 7" casing, rams, and HCR valves to 2000 psi for 30 minutes - held OK.

Drill Fruitland coal formation from 3030' to 3054'.

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LOCATION: 1730' FSL, 740' FWL
Section 6, T31N, R6W,
San Juan County, New Mexico

5-24-90 Circulating and working pipe at TD.

Drill Fruitland formation with 8000# WOB and 60 RPM @ 800 psi.

Coal Intervals:	3068-3070'	(2')
	3115-3116'	(1')
	3120-3122'	(2')
	3124-3135'	(11')
	3136-3137'	(1')
	3139-3142'	(3')
	3144-3146'	(2')
	3147-3154'	(7')
	3157-3158'	(1')
	3160-3170'	(10')
	3183-3184'	(1')
	3222-3224'	(2')
	3234-3235'	(1')
	3341-3343'	(2')
	3344-3346'	(2')
	Total Coal	48'

Circulate and work pipe with 5.5 BPM water @ 500 psi.
Returns light 1/8" coal in black water.

Circulate and work pipe with 5.5 BPM water @ 500 psi.
Returns same as above in gray water. 7-8' flare -
approximately 750 MCFD.

Top of PC	3348'
TD	3350'

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LOCATION: 1730' FSL, 740' FWL
Section 6, T31N, R6W,
San Juan County, New Mexico

5-25-90 Working pipe at TD with 2 MM air and 5 Bbl water sweeps every 30 minutes.

Work pipe at TD with 5.5 Bbl BPM water @ 500 psi. Returns very light 1/8" coal in gray water.

Work pipe at TD with 1 MM air and 5.5 BPM water @ 550 psi. Returns light coal in gray water.

Work pipe at TD with 1 MM air and 5.5 BPM decreasing to 1 BPM water and 550 psi decreasing to 200 psi.

Work pipe at TD with 2 MM air and 4 BPM water @ 450 psi. Returns light 1/8" coal in clear water.

Work pipe at TD with 2 MM air and 4 BPM decreasing to 1 BPM water @ 450 psi decreasing to 250 psi. Returns moderate 1/8" coal in clear water.

Work pipe at TD with 2 MM air and 5 Bbl water sweeps every 30 minutes. Moderate to heavy 3/4" and smaller coal (95%), shale and siltstone in black water on sweeps.

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Completion Report

Northeast Blanco Unit No. 426 - Basin Fruitland Coal

LOCATION: 1730' FSL, 740' FWL
Section 6, T31N, R6W,
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5-26-90 Circulating and working pipe with air and water sweeps.

Circulate and work pipe with 2 MM air and 5 Bbl water sweeps every 30 minutes. Returns heavy to light coal in black to clear water.

Circulate and work pipe with 2 MM air and 3 BPM water. Hole sticky. Heavy 1/8" and less coal and coal fines in black water with some 3/4" coal chunks.

Circulate and work pipe with 2 MM air and 3 BPM water decreasing to 1 BPM water. Returns 1/8" and less coal and coal fines in black to clear water.

Circulate and work pipe with 2 MM air and 5 Bbl water sweeps every 30 minutes. Returns heavy 1/8" coal and coal fines in black water.

Circulate and work pipe with 2 MM air and 5 Bbl water sweeps every 30 minutes. Returns light 1/8" coal and coal fines in black water.

5-27-90 Circulating and work pipe with 3 MM air and 5 Bbl water sweeps every 30 minutes.

Circulate and work pipe at TD with 2 MM air and 5 Bbls water sweeps every 30 minutes. Returns light 1/8" coal in clear water.

Pull into 7" casing for 2" pitot test: 1/4 hr - 13 oz., 141 MCFD; 1/2 hr - 10 oz., 123 MCFD; 3/4 and 1 hr - 13 oz., 141 MCFD (all gauges dry). Shut in: 1/4 hr - 280 psi; 1/2 hr - 440; 3/4 hr - 560; 1 hr - 660 psi.

(Cont'd)

5-27-90 Blow well down to 0 psi through 3/4" choke. TIH, tag bottom at 3150'. Wash to bottom with water. Hole sloughed @ 3288'. Lay down 2 jts. Hole sticky. Work pipe free. Wash 4 jts to bottom. Returns moderate 1/2" to 1/8" coal (98%), shale and siltstone in black to clear water.

Circulate and work pipe with 1 MM air and 5 BPM water. Returns moderate to light 1/8" coal (98%), shale and siltstone in gray water.

Circulate and work pipe with 3 MM air and 5 BPM water decreasing to 1 BPM water. Returns light 1/8" coal (98%), shale and siltstone in clear water.

5-28-90 Washing to bottom at 3191' with air and water.

Circulate and work pipe with 3 MM air and 5 Bbl water sweeps every 1/2 hr. Returns light 1/8" coal (98%), shale and siltstone in clear water.

Circulate and work pipe with 3 MM air and 20 Bbl sweeps every 1/2 hr. Returns moderate to light 1/8" to powder coal (98%), shale and siltstone in gray to clear water.

Pull into 7" casing for pitot test #2: 1/4, 1/2, 3/4, and 1 hr - 13 oz., 141 MCFD (all gauges damp, some black dust). Shut in test: 1/4 hr - 210 psi; 1/2 hr - 380; 3/4 hr - 515; 1 hr - 620 psi.

Bucket test - 211 BPD water.

Surge well with 1000 psi on casing. Drill pipe stuck in 7". Work pipe free. (Pressure up on backside to 500 psi).

Wash to 3159' with 6.5 BPM water. Found fill at 3159'. Returns moderate to light 1/4" to 1/8" and powder coal (98%), shale and siltstone in black to clear water.

Wash to 3191' with 3 MM air and 5 BPM water. Returns heavy 1/8" to powder coal (98%), shale and siltstone in black water.

5-29-90 Circulating and blowing well at 3226' with 4 MM air and 3 BPM water. Returns heavy coal in black water.

Circulate and blow well at 3191' with 3 MM air and 3 BPM water. Returns heavy to moderate 1/4" and less coal (98%), shale and siltstone in black and gray water.

Made connection, blow well with 4 MM air and 3 BPM water. Returns heavy to moderate 1/2" to powder coal (98%), shale and siltstone in black to gray water. Clean out to 3226'. Hole fell in. Circulate heavy coal out at 3191', hole sticky and tight.

Circulate and blow well with 4 MM air and 3 BPM water. Pipe stuck 1-1/4 hours, work pipe loose, pull up to 3191'. Circulate out heavy 1/2" to powder coal in black water. Hole tight. (JB/AR)

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LOCATION: 1730' FSL, 740' FWL
Section 6, T31N, R6W,
San Juan County, New Mexico

5-30-90 Working pipe at TD with 4 MM air and 3 BPM water.
Returns heavy to moderate 1/4" to powder coal (98%),
shale and siltstone.

Work pipe at 3226' with 4 MM air and 3 BPM water.
Returns moderate to light 1/4" to powder coal (98%),
shale and siltstone in gray water; 600 psi.

Work pipe at 3251' with 4 MM air and 3 BPM water.
Returns moderate 1/4" to powder coal (98%), shale and
siltstone in black to gray water.

Work pipe at 3283' with 4 MM air and 3 BPM water.
Returns moderate 1/4" to powder coal (98%), shale and
siltstone in black water.

Work pipe at 3314' with 4 MM air and 3 BPM water.
Returns heavy to moderate 1/4" to powder coal (98%),
shale and siltstone in black water; 600-800 psi. Hole
tight and sticky.

Work pipe at TD with 4 MM air and 3 BPM water. Returns
heavy to moderate 1/4" to powder coal (98%), shale and
siltstone in black water. Hole tight.

Have 15' flare with both blooie lines open.

Bucket test - 233 BPD water.

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LOCATION: 1730' FSL, 740' FWL
Section 6, T31N, R6W,
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5-31-90 Working pipe at TD with 4 MM air and 3 BPM water. Returns light coal in clear water.

Work pipe at TD with 4 MM air and 3 BPM water. Returns moderate 1/4" to powder coal (98%) in clear water.

Work pipe at TD with 4 MM air and 2 BPM water. Returns moderate to light 1/8" to powder coal (98%) in clear water.

Work pipe at TD with 4 MM air and 1 BPM water. Returns light 1/8" to powder coal (98%) in clear water.

Work pipe at TD with 4 MM air and 1 BPM water. Returns light 1/8" to powder coal (98%) in clear water.

Lay down 11 jts, run pitot test #2: initial - 26 oz., 3400 MCFD (wet); 1/4 and 1/2 hr - 25 oz., 3311; 3/4 hr - 23 oz., 3132; 1 hr - 21 oz., 2952; 1-1/4 hrs - 20 oz., 2863 MCFD.

TIH, tag fill at 3346' (4'). Circulate with 4 MM air and 3 BPM water. Wash to TD at 3350'.

Work pipe at TD with 4 MM air and 3 BPM water. Returns heavy to light 1/4" and less coal (98%) in black to gray water.

Work pipe at TD with 4 MM air and 3 BPM water. Returns 1/16" to powder coal (98%) in clear water.

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LOCATION: 1730' FSL, 740' FWL
Section 6, T31N, R6W,
San Juan County, New Mexico

6-01-90 Working pipe back to bottom at 3189' with 6.5 BPM water.
Good circulation, no cuttings.

Work pipe at TD with 4 MM air and 3 BPM water. Returns
light 1/8" to powder coal (98%), shale and siltstone in
clear water.

Work pipe at TD with 4 MM air and 3 BPM water. Returns
moderate to light 1/4" to powder coal (98%), shale and
siltstone in black to gray water.

Work pipe at TD with 4 MM air and 3 BPM water. Returns
heavy 1/2" to powder coal (98%), shale and siltstone in
black water.

Work pipe at TD. Hole heaving large amount of coal,
became stuck. Pressure up on backside to 500 psi, pipe
came free. Circulate hole. Returns heavy 1/2" to powder
coal (98%), shale and siltstone. Hole tight and sticky.

Pipe became stuck. Pull 8 jts, pipe came free.
Circulate hole with 6.5 BPM water, wash back to bottom.
Have full returns; very little cuttings. 5 jts off
bottom.

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LOCATION: 1730' FSL, 740' FWL
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6-02-90 Cleaning out at 3160'; hole tight and sticky.

Wash at 3189' with 6 BPM water. Returns gray water with no cuttings.

Wash at 3189' to TD with 150 psi back pressure through choke manifold.

Work pipe at TD with 5 BPM water with 150 psi back pressure.

Short trip. TIH, had 7' fill, circulate to bottom.

Short trip. Had 15,000# drag, circulate back to bottom with 150 psi back pressure.

Work pipe at TD with 2500# torque, 15,000# drag.

Work pipe at TD, torque reduced, 5000# drag.

Short trip. TIH to 3160'. Clean out to TD with 250 psi back pressure.

6-03-90 Rigging up to run 5-1/2" casing.

Clean out 3160-3350' holding 200 to 250 psi back pressure.

Work pipe at TD with 5 BPM water with 250 psi back pressure. Lay down 10 jts drill pipe, hang off drill pipe on donut.

Nipple up top BOP, nipple up cameron BOP, nipple up Cudd snubbing unit.

Test 3 sets pipe rams and BOP stack to 2000 psi, held OK.

(Cont'd)

6-03-90 Strip out of hole with 3-1/2" drill pipe. Lay down 10 drill collars.

Rig up to run 5-1/2" casing. (JB/AR)

Estimated daily cost: \$ 9,748

Estimated cumulative cost: \$110,424

6-04-90 TIH with plug mill; picking up 2-7/8" tubing.

Wait on 5-1/2" casing collar.

Pick up new Smith 6-1/4" bit, SN #KN1551, crossover, 11 jts 5-1/2" casing, and Baker liner hanger; snub in hole.

Rig down snubbers. Strip in hole with 3-1/2" drill pipe, tag at 3133'.

Pick up power swivel, wash liner down to TD @ 3350'. Set hanger, pack off, and release setting tool.

Run 11 jts (408.23') new 5-1/2" 23# L-80 casing, set at 3149'. Perf's at: 3347.68-3325.66; 3237.39-3082.56'; 3061.67-3039.78'; top of hanger at 2940.77'; 89.23' overlap. Three 1/2 jts perforated; one 1/2 jt blank; 3 full perf'd jts; 4 full blank jts. (8 HPF)

Rig up floor, POOH, lay down drill pipe.

Rig down Cudd, rig up to run 2-7/8".

Pick up 4-1/2" plug mill, float sub. 1 jt 2-7/8", F nipple (2.25" ID), and tubing.

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LOCATION: 1730' FSL, 740' FWL
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6-05-90 Rigging down.

TIH. Pick up 2-7/8" tubing, top of liner @ 2940'.

Pick up swivel and tubing, tag first perf at 3039', drill out perfs with back pressure at surface.

Rig up Wireline Specialists, run chemical cutter, cut 2-7/8" tubing 7' from bottom. Left crossover with float and 4-1/2" mill in hole. Rig down wireline truck.

Rig up Jay slick line unit, run sinker bar to check cut-off. Did not cut tubing completely off. Set 1.81" ID check in F nipple. Pick up 3 jts tubing to tag bottom, rotate on bottom to complete cut off. Lay down 3 jts and land tubing.

Nipple down BOP and nipple up upper tree. Retrieve bottom hole check.

Pressure up on back side with air to 1000 psi. Well would not flow, pump 21 Bbls water down tubing, tubing acted plugged. Well started kicking up tubing.

Release rig at 4:30 a.m., 6-05-90.)