

**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)

 1010' FML, 1310' FEL - Section 33, T31N, R7W

5. Lease Designation & Serial #: SF-079043

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.# 454

9. API Well No.: 30-045-27402

10. Field & Pool/Explry 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.
 DIST. 3

14. I hereby certify that the foregoing is true and correct.
 Signed: ROY 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: _____

ACCEPTED FOR RECORD

Date **SEP 24 1990**

FARMINGTON RESOURCE AREA

BY [Signature]

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 454 - Basin Fruitland Coal

LOCATION: 1010' FNL, 1310' FEL
Section 33, T31N, R7W,
San Juan County, New Mexico

7-20-90 Pressure testing 3-1/2" pipe rams and HCR valves to 2000 psi - OK.

Move in and rig up Big "A" Rig No. 23. Nipple up BOP and lay all lines.

Pressure test blind rams, casing, and manifold to 2000 psi - OK.

Strap and pick up 6-1/4" STC F2 bit, SN# KJ3066 (jets: 20-20-20), bottom hole drill collar, string float, N nipple (1.875" ID), 8 drill collars, 1 jt drill pipe, F nipple (2.25" ID), and safety sub. BHA = 304.72'.

Tag cement at 3028'. Pick up swivel and pressure test 3-1/2" pipe rams and HCR valves to 2000 psi - OK.

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LOCATION: 1010' FNL, 1310' FEL
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San Juan County, New Mexico

7-21-90 7" casing at 3124'; open hole 3124-3453' TD.

Drilling Fruitland formation.

Pressure test 3-1/2" pipe rams and HCR valves to 2000 psi
- held OK.

Drill cement 3029-3080', float at 3080', and shoe at
3124'. Drill Fruitland formation 3124-3153' TD with
10,000# WOB, 120 RPM, 7.5 BPM water @ 850 psi.

Coal Intervals:	3167-3168'	1'
	3240-3244'	4'
	3245-3246'	1'
	3247-3248'	1'
	3253-3258'	5'
	3283-3290'	7'
	3292-3293'	1'
	3298-3299'	1'
	3310-3311'	1'
	3322-3326'	4'
	3356-3357'	1'
	3360-3362'	2'
	3421-3424'	3'
	3425-3428'	3'
	3431-3444'	13'
	Total	48'

Top P. C. Tongue - 3368'
Top Main P. C. - 3451'
Total Depth - 3453'

7-22-90 7" casing at 3124'; open hole 3124-3453' TD.

Circulating and working pipe at TD with 2 BPM water.

(Cont'd)

7-22-90 Circulate and work pipe at TD with 7.5 BPM water and 800 psi. Returns moderate 1/4" and less coal (95%), shale and siltstone in clear water.

Circulate and work pipe at TD with 7.5 BPM decreasing to 2 BPM water. Returns very light 1/8" and less coal (98%), shale and siltstone in clear water with 20-25' flare out two klooie lines.

Circulate and work pipe at TD with 2 BPM water. Returns very light 1/8" coal (98%), shale and siltstone in clear water. 0 psi on stand pipe and 25' flare out two blooie lines.

7-23-90 7" casing at 3124'; open hole 3124-3453' TD.

Circulating and working pipe with 2 MM air and 1 BPM water with reverse sweeps hourly.

Circulate and work pipe at TD with 2 BPM water. Returns very light 1/8" coal (98%), shale and siltstone in clear, foamy water.

Circulate and work pipe with 2 MM air and 5 BPM water. Returns very light 1/8" coal (98%), shale and siltstone in clear foamy water.

Pull into 7" casing to pitot gauge well through 2" line: 1/4 hr - 32 psi, 3937 MCFD; 1/2, 3/4 and 1 hr - 35 psi, 4206 MCFD (all gauges light mist). Shut in well to monitor pressure build-up: initial - 100 psi; 1/4 hr - 800; 1/2 hr - 1000; 3/4 hr - 1080; 1 hr - 1140 psi.

Bucket test - 560 BPD water.

Bleed well down through 3/4" choke. TIH with drill pipe - had 3' of fill.

Circulate and work pipe with 2 MM air and 3 BPM water. Returns light 1/8" coal (98%), shale and siltstone in clear foamy water.

Circulate and work pipe with 2 MM air and 1 BPM water. Returns same as above with 30' flare.

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Completion Report

Northeast Blanco Unit No. 454 - Basin Fruitland Coal

LOCATION: 1010' FNL, 1310' FEL
Section 33, T31N, R7W,
San Juan County, New Mexico

7-23-90

7-24-90 7" casing at 3124'; open hole 3124-3453' TD.

Circulating and working pipe with 3 MM air and 1 BPM water and 10 minute reverse sweeps.

Circulate and work pipe at TD with 2 MM air and 1 BPM water and 10 minute reverse sweeps hourly. Returns very light 1/16-1/8" coal (98%), shale and siltstone in clear water.

Pull into 7" casing to pitot gauge well through 2" line: 1/4 hr - 32 psi, 3937 MCFD; 1/2 hr - 42 psi, 4832; 3/4 hr - 50 psi, 5548; 1 hr - 54 psi, 5727 MCFD (all gauges mist).

Shut well in to monitor pressure build up: ISIP - 550 psi; 1/4 hr - 850; 1/2 hr - 1040; 3/4 hr - 1160; 1 hr - 1240.

Surge well with 1240 psi. Let well bleed down.

TIH. Circulate each jt down. Returns moderate to light 1/8" coal (95%), shale and siltstone in gray to clear foamy water. Clean out 2' of fill at TD.

Circulate and work pipe with 2 MM air and 1 BPM water. Returns light 1/8" coal, shale and siltstone in clear foamy water.

Circulate and work pipe with 3 MM air and 3 BPM decreasing to 1 BPM water with 10 minute reverse sweeps. Returns light 1/8" coal (98%), shale and siltstone in clear foamy water. No hole problems.

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Completion Report

Northeast Blanco Unit No. 454 - Basin Fruitland Coal

LOCATION: 1010' FNL, 1310' FEL
Section 33, T31N, R7W,
San Juan County, New Mexico

7-25-90 7" casing at 3124'; open hole 3124-3453' TD.

Circulating and working pipe with 3 MM air and 1 BPM water. Returning powdered coal.

Circulate and work pipe at TD with 3 MM air and 1 BPM water with 20 minute reverse sweeps every hour. Returns 1/8" and less coal (98%), shale and siltstone in clear foamy water.

Pull into 7" casing Pitot gauge well through 2" line: 1/4 hour - 37 psi, 4385 MCFD; 1/2 hour - 37 psi, 4385 psi; 3/4 hour - 48 psi, 5369 MCFD; 1 hour - 56 psi, 6085 MCFD (all gauges mist).

Shut in well and monitor pressure build up. Initial shut in pressure - 270 psi. Shut in: 1/4 hour - 680 psi; 1/2 hour - 900 psi; 3/4 hour - 990 psi; 1 hour - 1060 psi.

Surge well with 1060 psi. TIH. Clean out 2' of fill at TD.

Circulate and work pipe with 3 MM air and 1 BPM water with 20 minutes reverse sweeps every hour. Returns light coal fines, 1/8" coal (98%), shale, and siltstone in clear foamy water.

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Northeast Blanco Unit No. 454 - Basin Fruitland Coal

LOCATION: 1010' FNL, 1310' FEL
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San Juan County, New Mexico

7-26-90 7" casing at 3124'; open hole 3124-3453' TD.

Circulating and working pipe with 3 MM air and 1 BPM water with 20 minute reverse sweeps every hour.

Circulating and working pipe at TD with 3 MM air and 1 BPM water with 20 minute reverse sweeps every hour. Returns light 1/16" to powdered coal (98%), shale and siltstone in clear water.

Pull into 7" casing to pitot test (#4) well through 2" line: 1/4 hr - 35 psi, 4206 MCFD; 1/2 hr - 32 psi, 3937; 3/4 hr - 40 psi, 4653; 1 hr - 45 psi, 5101 MCFD (all gauges damp).

Shut well in and monitor pressure build up: 1/4 hr - 780 psi; 1/2 hr - 940; 3/4 hr - 1050; 1 hr - 1100; 1-1/4 hrs - 1120 psi. Surge well with 1120 psi. TIH, had 1' fill.

Circulate and work pipe with 3 MM air and 1 BPM water with 20 minute reverse sweeps hourly. Returns light 1/16" and less coal (98%), shale and siltstone in clear water.

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LOCATION: 1010' FNL, 1310' FEL
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San Juan County, New Mexico

7-27-90 7" casing at 3124'; open hole 3124-3453' TD.

Stripping out of hole with drill collars.

Circulate and work pipe at TD with 3 MM air and 1 BPM water with 20 minute reverse sweeps hourly. Returns light 1/16" and powdered coal (98%), shale and siltstone in clear water.

Pull into 7" casing and land drill pipe in tubing hanger. Nipple down stripping head and top BOP.

Rig up floor and Cudd Pressure Control; test snubbing stack and all rams to 2000 psi - OK.

Pull drill pipe out of tubing hanger and TIH with drill pipe. Had 6' of fill at TD. Pick up swivel and kill well with water. Pump across stack at 250 psi, losing 3 Bbls/hour water to formation.

Strip drill pipe and drill collars out of hole.

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7-28-90 7" casing at 3124'; open hole 3124-3453' TD.

Rigging up Wireline Specialty to run chemical cutter.

Strip out of hole with drill collars. Change out rams to 5-1/2" and rig up to run 5-1/2" liner.

Pick up Baker double float shoe (6.05" OD) and start in hole with liner. Circulate across stack with 100 psi. Tag up 6' high, wash and ream to 3453'.

Hang liner, release setting tool and set hold-downs and packoff. Set 42,000# on liner to set packoff. Lay down 5 jts drill pipe. Land drill pipe in tubing head.

Rig down Cudd. Nipple up Big "A" BOP liner top, 3071.66'.

Rig up to lay down drill pipe and drill collars. Pull donut out of tubing head.

Lay down drill pipe and drill collars.

Rig up to run tubing. Pick up mill, bit sub with float, 1 jt 2-7/8" tubing, and F nipple (1.81" ID).

Pick up and run 2-7/8" tubing. Change out stripper rubber, pick up swivel.

Drill out perfs from 3160.86-3177.77'; 3219.72-3261.84'; 3283.05-3302.39'; 3304.89-3346.87'; 3349.43-3366.93'; and 3408.92-3450'.

7-30-90 Rig released.

Rig up Wireline Specialty, go in hole with 2-7/8" chemical cutter. Spot cutter 6' above bit sub. Made cut. Incomplete cut. Pull tools out and rig back, out of way.

Work pipe on bottom, setting weight down and torquing pipe to complete cut-off.

Rig up Jay Wireline (slickline), go in hole to check cut-off. Cut-off is complete. Go in hole with bottom hole check, set in F nipple.

Lay down 3 jts 2-7/8" tubing and land at 3370.62'. Nipple down BOP and nipple up upper tree.

Rig up Jay Wireline and retrieve plug from F nipple. Rig down Jay Wireline.

Release rig at 1:30 p.m., 7-29-90. (DB)