

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. A Limited Partnership
3. Address of Operator: P.O. Box 1237, Durango, CO 81302-1237
4. Location of Well: (Footage, Sec., T., R., M., or Survey Description)

225' FNL, 1640' FEL - Section 17, T30N, R7W

5. Lease Designation & Serial #:

SF-079060

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.# 429R

9. API Well No.:

30-039-24878

10. Field & Pool/Expl'ty 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 open hole "stress relieve" type coal completion.

RECEIVED

OCT 16 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: 9/28/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved By _____ Title _____ Date OCT 11 1990
Conditions of approval, if any:

FARMINGTON RESOURCE AREA

BY MT

BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

Completion Report

Northeast Blanco Unit No. 429R - Basin Fruitland Coal

LOCATION: 225' FNL, 1640' FEL
Section 17, T30N, R7W
Rio Arriba County, New Mexico

(cont'd)

9-08-90 7" casing at 2930'; open hole 2930-3167'.

Reduce pump rate slowly from 7 BPM to 2-1/2 BPM. At 1 BPM, returns very light 1/8" and less coal (50%) with shale, siltstone and clay stone. Have 5' flare from 1 blooie line.

Coal Intervals:	2946-2949'	3'
	2976-2979'	3'
	2980-2983'	3'
	3002-3003'	1'
	3008-3009'	1'
	3019-3021'	2'
	3023-3038'	15'
	3066-3068'	2'
	3116-3117'	1'
	3118-3123'	5'
	3131-3132'	1'
	3152-3161'	<u>9'</u>
	Total	46'

P. C. Tongue - 3165'
Total Depth - 3167'

9-09-90 7" casing at 2930'; open hole 2930-3167'.

Circulating and working pipe at TD with 1.4 MM air and 5 BPM water.

Circulate and work pipe at TD with 3-1/2 BPM water reducing pump rate 1/2 Bbl every 2 hours down to 1-1/2 BPM. Returns very light 1/8" coal (50%), shale and siltstone and clay stone in clear water. 5' flare from 1 blooie line.

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9-09-90 7" casing at 2930'; open hole 2930-3167'.

Circulate and work pipe at TD with .7 MM air and 5 BPM water reducing pump rate 1/2 Bbl every 2 hours down to 1-1/2 BPM water. Returns light coal and dust decreasing to very light 1/8" and less coal (95%) with shale and siltstone in clear water. Both blooie lines open, flare burning inside blooie lines.

9-10-90 7" casing at 2930'; open hole 2930-3167'.

Circulating and working pipe at TD with 1.4 MM air and 1-1/2 BPM water.

Circulate and work pipe at TD with 1.4 MM air and 5 BPM water, reducing pump rate 1/2 BPM every 2 hours down to 1-1/2 BPM. Returns very light 3/8" and less coal (50%), shale and siltstone and clay stone with some fibrous material.

9-11-90 7" casing at 2930'; open hole 2930-3167'.

Circulating and working pipe at TD with 1.4 MM air and 1-1/2 BPM water.

Shut off water, clean hole with air, pull into 7" casing. Run pitot test #1: 1/4 hr - 3 oz., 264 MCFD; 1/2 and 3/4 hr - 2 oz., 217; 1 hr - 1 oz., 158 MCFD (all gauges dry).

Shut in test #1: 1/4 hr - 100 psi; 1/2 hr - 150; 3/4 hr - 250; 1 hr - 300 psi. Pressure up wellbore to 1000 psi with air, surge well with 800 psi. TIH, had 1' of fill.

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(cont'd)

9-12-90 7" casing at 2930'; open hole 2930-3167'.

Pressure with air to 1500 psi, pump 30 Bbls water down drill pipe @ 1200 psi, displace drill pipe with air to 1300 psi, surge well. TIH, hit bridge at 3002', had 4' fill on bottom, clean out with air and water.

Circulate and work pipe at TD with 1.4 MM air and 1-1/2 BPM water. Returns heavy to light 1/2" and less coal (90%) and dust in gray to clear water.

Circulate and work pipe at TD with 1.4 MM air.

9-13-90 7" casing at 2930'; open hole 2930-3167'.

Circulating and working pipe at TD with 1.4 MM air and 1 BPM water.

Pull into 7" casing for 2" pitot test #2 and shut in test #4. Pitot test: 1/4 hr - 12 oz., 539 MCFD; 1/2 hr - 9 oz., 464; 3/4 hr - 8 oz., 434; 1 hr - 7 oz., 404 MCFD (all gauges dry). Shut in test: 1/4 hr - 100 psi; 1/2 hr - 200; 3/4 hr - 300; 1 hr - 400 psi.

Pressure up to 1500 psi with air, pump 30 Bbls water; pressure dropped to 800 psi. Pressure up to 1500 psi with air, surge well through 2 blooie lines. RIH, had 5' fill.

Circulate and work pipe at TD with 1.4 MM air and 3 BPM down to 1 BPM water. Returns moderate 1/2" and less coal (90%) and floating coal dust in gray water. Returns went to light coal (50%) with shale, siltstone, and claystone in clear water.

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(cont'd)

9-14-90 7" casing at 2930'; open hole 2930-3167'.

Circulate and work pipe from TD with 1.4 MM air and 3 BPM down to 1 BPM water. Returns moderate to light 1/2" and less coal (90%), shale and siltstone in gray water.

Circulate and load hole with water. TOOH.

Pick up and make up 7" Baker fullbore packer. RIH on 3-1/2" drill pipe (string float and 2.25" ID F nipple top of 1st jt).

9-15-90 7" casing at 2930'; open hole 2930-3167'.

Circulating and work pipe at TD with 1.4 MM air and 1 BPM water.

Rig up Howco, circulate hole, pressure up annulus with 500 psi. Pump 500 Bbls of produced water into Fruitland coal, maximum pressure 2400 psi, maximum rate 7 BPM. ISIP - 1100 psi; after 1 hour - 500 psi.

Release packer, POOH.

TIH with 6-1/4" bit and drill collars and drill pipe, had 7' fill. Clean out with water and air.

Circulate and work pipe at TD with 1.4 MM air and 3 BPM decreasing to 1 BPM water. Returns at first heavy 1/2" and less coal in black water, then moderate to light coal in gray water. Recovered approximately 1/2 of load water, flare burning inside blooie line.

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9-17-90 Circulate and work pipe at TD with 1.4 MM air and various water rates from 1 to 3 BPM and 5 to 20 Bbl water sweeps to clean hole. Returns heavy 1/4" and less coal (98%), shale and siltstone in black viscous water. Stand pipe pressure 325 psi, #429 wellhead pressure 1650 psi. Injected air for 18 hours. Shut off air on #429, pressure decreased to 1460 psi and held. Bottom of hole tight.

25' flare from both blooie lines. Estimated 1 to 2 MMCFD.

9-18-90 7" casing at 2930'; open hole 2930-3167'.

Circulate and work pipe at TD with 1.4 MM air and 3 BPM water.

Circulate and work pipe at TD with 1.4 MM air. Various water rates from 1-5 BPM and 10 to 20 Bbl water sweeps to clean hole.

Returns heavy 1/4" and less coal, shale, sand stone and clay stone in black water. Stand pipe pressure averages 325 psig, 429 well head pressure, 1460 psi. 25 foot flares from both blooie lines.

9-19-90 7" casing at 2930'; open hole 2930-3167'.

Working pipe up into 7" casing.

Circulate and work pipe at TD with 1.4 MM air and 2 BPM water. Returns moderate 1/4" and smaller coal (98%) in black water.

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9-21-90 7" casing at 2930'; open hole 2930-3167'.

Circulating and working pipe with 7 BPM water.

Circulate and work pipe from 3163' with 2.4 MM air and various water rates from 6 to 3 BPM, try to work to TD, hole kept falling in. Returns heavy coal (60%) with shale and claystone in black viscous water, making 1" coal and 2" shale. Started losing hole, work back up, pipe stuck.

Work pipe loose, lay down 7 jts drill pipe.

Attempt to circulate and work pipe back to TD with various water rates, pipe torques up, pick up and well unloads heavy coal and shale in black viscous water. Hole fell in, had to lay down 10 jts, then work back to 3036'. Working in thick section of coal 3019-3038'.

9-22-90 7" casing at 2930'; open hole 2930-3167'.

Circulating and working pipe at TD with 7 MM air and 5 BPM water.

Circulating and working pipe at TD with 7 BPM water. Returns heavy coal (75%) and shale in black viscous water.

Circulating and working pipe at TD with 7 BPM water. Returns heavy to moderate coal, shale, siltstone and pyrite in black viscous water.

Circulating and working pipe at TD with 7 MM air and 7 BPM water. Returns heavy coal (80%), shale, siltstone and pyrite in black viscous water. Coal and shale sizes range from 1-1/2" down to fines. At times returns are 90% shale. Reduced water rate 1/2 Bbl every 2 hours down to 5 BPM. Pipe will torque if on bottom over 15 minutes.

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9-25-90 7" casing at 2930'; open hole 2930-3167'.

Change rams to 2-3/8"; unload, strap, and rabbit tubing.

Run 94 jts (2899.96') 2-3/8" 4.7# J-55 FBNAU USS tubing, set at 2915.29'. Run collar on bottom, F nipple (1.81" ID) 1 jt up, F nipple at 2982.90'.

Land tubing with donut.

Nipple down BOP, nipple up tree, pump out plug, blow well back.

Rig down. Release rig at 12:00 midnight, 9-24-90.