

**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)

1310' FSL, 1080' FML - Section 11, T31N, R7W

5. Lease Designation & Serial #: **NM-03358**

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.# 442**

9. API Well No.: **30-045-27569**

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 open hole "stress relieve" type coal completion.

RECEIVED
 NOV 20 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: 10/12/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved By _____ Title _____ Date **NOV 06 1990**
 Conditions of approval, if any:

NMOCD

FARMINGTON RESOURCE AREA

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.

Completion Report

Northeast Blanco Unit No. 442 - Basin Fruitland Coal

LOCATION: 1310' FSL, 1080' FWL
Section 12, T31N, R7W
San Juan County, New Mexico

10-05-90 7" casing at 3046'.

Picking up drill collars.

Move in and rig up Big "A" Rig No. 25.

Nipple up BOP stack, test blind rams and 7" casing.
Repair leaks, test to 2000 psi for 30 minutes - held OK.

Strap and caliper drill collars. Inspect drill collars
and drill pipe, had 4 cracked jts drill pipe.

10-06-90 7" casing at 3046'.

Drilling PC tongue at 3317' with 6.5 BPM water, 10,000#
WOB, and 55 RPM @ 1000 psi.

Pick up new 6-1/4" Smith Tool Co. FDTL bit, SN# KT5996
(jets: 20-20-20), bit sub double boxed, 1 drill collar,
N nipple (1.875" ID), 10 drill collars, 1 jt 3-1/2" drill
pipe, and F nipple (2.25" ID). Pick up 3-1/2" drill
pipe. Pressure test pipe rams and HCR valves to 2000
psi - held OK.

Drill 3' cement on top of float collar, float collar and
shoe jt; shoe at 3056'.

Drill Fruitland formation.

Have 5' flare.

10-07-90 Circulating and working pipe at TD with 1 MM air and 3
BPM water. Returns light 1/8" coal (98%) in clear water.

Drill Fruitland coal 3317-3367' with 6.5 BPM water,
10,000# WOB, and 65 RPM @ 1000 psi. TD well at 3367'.

Circulate and work pipe at TD with 6.5 BPM water.

(Cont'd)

10-07-90 Circulate and work pipe at TD with 3 BPM water. Returns very light 1/16" coal (95%), shale and siltstone in clear water.

Circulate and work pipe at TD with 1 MM air and 3 BPM water. Returns light 1/8" and smaller coal in clear water.

Coal Intervals:	3088-3092'	4'
	3095-3108'	13'
	3117-3118'	1'
	3134-3142'	8'
	3184-3195'	11'
	3211-3212'	1'
	3221-3222'	1'
	3252-3256'	4'
	3257-3258'	1'
	3266-3268'	2'
	3341-3342'	1'
	3346-3348'	2'
	3358-3363'	5'

Total	54'
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Top P.C. Tongue	-	3270'
Top Main P.C.	-	3365'
Total Depth	-	3367'

10-08-90 Circulating and working pipe at TD with 2 MM air and 1-1/2 BPM water. Returns light 1/8" and smaller coal (98%) in clear water.

Circulate and work pipe at TD with 1 MM air and 1 BPM water. Returns very light 1/8" and smaller coal (98%) in clear water.

Lay down 9 jts, pressure up on well to 1000 psi. Surge well, repeat surge. TIH to TD, had 6' fill. Circulate at TD with 1 MM air and 1 BPM water. Returns light 1/8" coal (98%) in clear water.

Circulate and work pipe at TD with 2 MM air and 1-1/2 BPM water. Returns moderate 1/8" and smaller coal (98%) in black to gray water.

Circulate and work pipe at TD with 2 MM air and 1-1/2 BPM water with 10 bbl water sweeps hourly. Returns moderate to heavy on sweeps, 1/8" and smaller coal in black to gray water.

Have 5-6' flare.

10-09-90 7" casing at 3046'; open hole 3046-3367'.

Circulating and working pipe at TD with 2 MM air and 1-1/2 BPM water with 10 Bbl water sweeps hourly. Returns light 1/8" coal (98%) in clear water.

Circulate and work pipe at TD with 2 MM air and 4-1/2 BPM water with 10 Bbl water sweeps hourly. Returns moderate to light 1/4" and smaller coal (98%) in clear water.

Lay down 9 jts 3-1/2", pressure up to 1000 psi with air, surge well. Pressure to 1000 psi, surge well second time. TIH, had 4' fill. Blow well around with 2 MM air and 1-1/2 BPM water. Returns moderate to light 1/8" and smaller coal in black to clear water.

Circulate and work pipe at TD with 2 MM air and 1-1/2 BPM water with 10 Bbl water sweeps hourly. Returns light 1/16" and powder coal (98%) in clear water.

Load hole with water, pump 150 Bbls away @ 6 BPM and 1410 psi. Flow well back and unload with air.

Circulate and work pipe at TD with 2 MM air and 1-1/2 BPM water. Returns moderate to light 1/8" and smaller coal (98%) in clear water.

Estimated water - less than 50 BPD.

10-10-90 7" casing at 3046'; open hole 3046-3367'.

Circulating and working pipe at TD with 2 MM air and 1 BPM water with 15-20 Bbl water sweeps hourly. Returns moderate to light 1/4" and smaller coal (98%) in clear water.

Circulate and work pipe at TD with 2 MM air and 1-1/2 BPM water with 10 Bbl water sweeps hourly. Returns light 1/8" and smaller coal (98%) in clear water.

Circulate and work pipe at TD with 2 MM air and 1 BPM water with 15-20 Bbl water sweeps hourly. Returns on sweeps, moderate 1/2" and smaller coal (98%) in gray water.

10-11-90 7" casing at 3046'; open hole 3046-3367'.

Circulating and working pipe at TD with 2 MM air and 1/2 BPM water with 20 Bbl water sweeps hourly. Returns on sweeps, heavy 1/2" and smaller coal (98%) in black water. Have 10' flare from both blooie lines.

(Cont'd)

10-11-90 Circulate and work pipe at TD with 2 MM air and 1 BPM water, alternating 15 and 20 Bbl water sweeps hourly. Returns on sweeps, moderate 1/2" and smaller coal (98%) in gray water; between sweeps 1/16" and smaller coal in gray water.

Lay down 10 jts drill pipe, pressure up on well to 1000 psi with air. Surge well, repeat. TIH, had 5' fill.

Circulate and work pipe at TD with 3 MM air and 1/2 BPM water with 20 Bbl water sweeps hourly. Returns on sweeps heavy 1-1/2" and smaller coal (98%) in black water with floating coal dust.

Circulate and work pipe at TD with 2 MM air and 1/2 BPM water with 20 Bbl water sweeps hourly. Returns same as above on sweeps; returns between sweeps very light 1/8" and smaller coal (98%) in clear water.

Lay down 10 jts drill pipe, pressure up to 1200 psi with air. Surge well, repeat. TIH, had 5' fill. Clean out to TD with 3 MM air and 1-1/2 BPM water.

Circulate and work pipe at TD with 2 MM air and 1-2 BPM water with 20 Bbl water sweeps hourly. Returns on sweeps moderate to heavy 1-1/2" and smaller coal (98%) in black water; returns between sweeps light. (RS

10-12-90 7" casing at 3046'; open hole 3046-3367'.

Circulating and working pipe at TD with 2 MM air and 1/2 BPM water with 20 Bbl water sweeps hourly. Returns on sweeps heavy; between sweeps 1/4" and smaller coal (98%) in black to clear water.

Circulate and work pipe at TD with 2 MM air and 1/2 BPM water with 20 Bbl water sweeps hourly. Returns heavy on sweeps; between sweeps returns 1/2" and smaller coal (98%) in black water with floating coal dust.

Lay down 10 jts drill pipe. Run pitot test #1: 1/4 hr - 6 oz., 372 MCFD; 1/2 hr - 5.5 oz., 363; 3/4 and 1 hr - 5 oz., 354 MCFD (all gauges dry).

Run 1 hr shut in test: ISIP - 30 psi; 1/4 hr - 140; 1/2 hr - 245; 3/4 hr - 350; 1 hr - 425 psi. Pressure up well to 1200 psi with air, surge well. TIH, tag and wash through bridge at 3126'. TIH, had 5' fill at TD.

Completion Report - NEBU #442

(Cont'd)
10-12-90

Circulate and work pipe at TD with 3 MM air and 1-1/2 BPM water.

Circulate and work pipe at TD with 2 MM air and 1-2 BPM water with 20 Bbl water sweeps hourly. returns on sweeps were heavy; between sweeps returns 1" and less coal 9(8%) in black water.

Have 10-12' flare from both blooie lines. Water rate 514 BPD.

10-13-90 7" casing at 3046'; open hole 3046-3367'.

Picking up expendable F nipple and 2-7/8" tubing. TIH.

Circulate and work pipe at TD with 2 MM air and 1/2 BPM water with 20 Bbl water sweeps hourly. Returns on sweeps heavy; between sweeps moderate 1/2" and smaller coal in black to clear water.

Lay down drill pipe and drill collars. Flow well through 2"line.

Change pipe rams. Rig up to run tubing.

10-14-90 Rig released.

Run 97 jts (3055.02') 2-7/8" 6.5# J-55 EUE 8rd FBNAU tubing, landed at 3067.02' with Baker model F nipple at 3035.92'.

Land donut, nipple down BOP, nipple up tree, drop ball, pump off expendable check, unload well with air, blow well for 2 hours. Shut in and rig down.

Release rig at 12:00 noon.

Final gauge 60 oz., 1191 MCFD.

Water production rate - 514 BPD.