

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

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

5. Lease Designation & Serial #:

SF-079003

6. If Indian, Allottee/Tribe Name

7. If Unit or CA, Agmt. Design.:

Northeast Blanco Unit

8. Well Name and No.:

9. API Well No.:

30-045-28320

10. Field & Pool/Expltry Area:

Basin Fruitland Coal

11. County or Parish, State:

San Juan, New Mexico

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)

1741' FNL - 379' FWL (Surface)
2135' FSL - 917' FWL (Bottom Hole)

12. CHECK APPROPRIATE BOX(es) 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
JAN 8 1991
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: 12/11/90

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved By _____ Title _____ Date JAN 14 1991
Conditions of approval, if any:

FARMINGTON RESOURCE AREA

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.

NMOON

Completion Report

Northeast Blanco Unit No. 404R - Basin Fruitland Coal

LOCATION: Surface: 1741' FNL, 379' FWL
Bottom hole: 2135' FSL, 917' FWL
Section 34, T31N, R7W
San Juan County, New Mexico

10-24-90 7" casing at 3441'.

Testing blind rams and casing.

Rig down drilling equipment and nipple up wellhead. Rig up for completion operations.

Pick up 6-3/4" bit, strap drill pipe and RIH. POOH, wait on cement. Rig up to test BOPs.

10-25-90 7-5/8" casing at 3441' MD and 2870' TVD; open hole 3441-3685' MD and 2870-3214' TVD.

Drilling 6-3/4" hole at 3685' MD, 3114' TVD.

Test blind rams and 7-5/8" casing to 2000 psi for 30 minutes - held OK.

RIH with 6-3/4" Smith Tool Co. FDTL (jets: 24-24-24), SN# KP1681, bottom hole drill collar, F nipple (1.875" ID), nine 4-3/4" drill collars, and F nipple (2.25" ID). OAL - 305.51'. Pick up 3-1/2" drill pipe, tag cement at 3396' MD, 2826' TVD. Pick up swivel.

Rig up and test #1 and #2 pipe rams, HCR valves, and manifold to 2000 psi - held OK.

Drill cement plug 3397' MD, 2826' TVD, insert float at 3359' MD, 2828' TVD, and cement to bottom of shoe at 3441' MD, 2870' TVD.

Drill Fruitland coal with 10,000# WOB, 100 RPM, and 7 BPM water @ 1200 psi to 3685' MD, 3214' TVD.

Have 50' flare through 1 blooie line.

10-25-90 CORRECTION: Open hole TVD = 2870-3114'.

10-26-90 7-5/8" casing at 3441' MD and 2870' TVD; open hole 3441-3753' MD and 2870-3182' TVD.

Circulating and working pipe from TD with 3 BPM water.

Drill Fruitland formation with 10,000# WOB, 100 RPM, and 7 BPM water @ 1200 psig; TD at 3752' MD and 3182' TVD.

Circulate and work pipe from TD with 7 BPM water through 1 blooie line.

Circulate and work pipe from TD with 7 BPM water through 2 blooie lines.

Circulate and work pipe from TD with 7 BPM water through 2 blooie lines, reducing pump rate 1/2 BPM every 2 hours down to 3 BPM. Returns heavy 1/2" and less coal (95%), shale, siltstone, and floating coal dust in clear water.

Hole loaded up at 2:00 a.m. and 4:00 a.m. with 4000# torque on drill pipe (normal torque is #2000). Kicked out power swivel rotation, hole unloaded in 5 minutes. Returns heavy coal in black viscous water.

Coal Intervals:	2951-2954'	TVD	3'
	2991-2992'		1'
	3011-3019'		8'
	3020-3052'		32'
	3061-3064'		3'
	3065-3074'		9'
	3075-3077'		2'
	3094-3096'		2'
	3150-3158'		8'
	3165-3178'		13'
	Total		81'

Top P.C. Tongue	-	3100'
Top Main P.C.	-	3180'
Total Depth	-	3182'

40-50' flare. Water estimated at 800 BPD.

10-27-90 7-5/8" casing at 3441' MD and 2870' TVD; open hole 3441-3753' MD and 2870-3182' TVD.

Blowing well from TD at 3182' TVD.

Blow well pumping 3 BPM water. Work pipe every 1/2 hour. Returns heavy 3/8" and less coal (95%), shale and siltstone with floating coal dust in gray water, decreasing to moderate light coal.

(Cont'd)

10-27-90 Blow well pumping 1-1/2 BPM water every 1/2 hour. Returns light coal dust with moderate returns on sweeps. Work pipe every 1/2 hour after sweeps returned to surface.

10-28-90 Blowing well through 1 blooie line.

Blow well pumping 5 BPM water sweeps every 1/2 hour. Work pipe every 1/2 hour to assure pipe is free. Returns moderate to light 1/4" and less coal (95%) with floating coal dust in gray water.

Shut well in to repair blooie line, had 1000 psi in 15 minutes. Bled well down through choke manifold, got pressure down to 300 psi with all three lines open. Open one blooie line and blow well pumping 3 BPM water. Returns heavy coal fines in black water.

Have 170-200 psi on stack while blowing well.

10-29-90 Trying to work pipe loose.

Circulate well at TD with 3 BPM water through one blooie line. Returns heavy coal fines in black water.

Circulate well at TD with 5 Bbl water sweeps every 1/2 hour. Returns light coal dust in clear water.

Pull into 7-5/8" casing, bit at 3429' MD. Run 1 hour 2" pitot test #1 and 3/4" choke flow test #1. Pitot test: 1/4 hr - 220 psi, 20760 MCFD; 1/2 and 3/4 hr - 225, 21208; 1 hr - 230, 21655 MCFD (all gauges mist).

Flow test: 1/4 hr - 400 psi, 5028 MCFD; 1/2 h4 - 480, 6034; 3/4 hr - 580, 7291; 1 hr - 740, 9300 MCFD (all gauges mist).

Bleed pressure down to 350 psi (would not bleed down further). Open one blooie line, then second blooie line. RIH to TD, no fill.

Circulate well with 3 BPM water. Returns heavy to light coal fines in black to gray water.

Pipe stuck, try to work pipe loose. Well bridged off, bit at 3160' TVD.

10-30-90 7-5/8" casing at 3441' MD and 2870' TVD; open hole 3441-3753' MD and 2870-3182' TVD.

POOH with drill pipe - stripping out with Cudd Pressure Control.

Work 6 jts drill pipe out of hole, bit at 3565' MD, 2984' TVD. Circulate hole clean.

Pressure up back side, wash pipe to TD.

Circulate hole clean with water and kill well.

Lay down 11 jts drill pipe and hang drill pipe in tubing head with donut, holding 200 psi on well pumping across stack.

Rig up Cudd and pressure test stack equipment to 1500 psi - held OK.

Pull 1 jt drill pipe and lay down donut.

10-31-90 7-5/8" casing at 3441' MD and 2870' TVD; 5-1/2" liner 3329-3752' MD and 2759-3181' TVD.

Laying down drill pipe.

POOH stripping out with Cudd. Well blowing through drill pipe, holding 200 psi across stack. Found #5 drill collar with cracked box.

Change rams, rig up to snub liner.

Snub in 10 jts 5-1/2" 23# L-80 casing, strip in 103 jts 3-1/2" drill pipe, had 1' fill.

Break circulation and circulate liner to TD, pick up 1', drop ball, set liner hanger with 1600 psi, open choke manifold, bleed off pressure. Backside dead, pressure to 2800 psi, release setting tool from liner hanger. Circulate annulus.

Lay down 1 jt drill pipe, hang off drill pipe, rig down Cudd.

Pull donut, lay down drill pipe.

(Cont'd)

10-31-90 Ran 10 jts (417.50') 5-1/2" 23# L-80 LT&C (6 jts USS, 4 jts Nippon).

Shoe at: 3752' MD, 3181' TVD.

Hanger top at: 3328.78' MD, 2757.78' TVD.

Overlap: 112.22'.

Perfs (8 HPF): 3489.52-3748.80' MD,
2918.52-3177.80' TVD.

11-01-90 7-5/8" casing at 3441' MD and 2870' TVD; 5-1/2" liner 3329-3752' MD and 2759-3181' TVD.

Rig released.

Finish laying down drill pipe, RIH with 4 stands drill pipe and lay down.

Pick up expendable mill-check, 1 jt 2-7/8" tubing, F nipple (2.25" ID), and 105 jts 2-7/8" tubing. Tag liner top at 3328' MD, drill perf plugs from 3490-3749' MD.

Drop ball, pump off mill with 1400 psi.

Rig up Jay Wireline, set plug in F nipple. Lay down 2 jts tubing, land tubing in tubing head, rig down BOP, nipple up tree, retrieve tubing plug, rig down.

Rig released at 11:59 p.m., 10-31-90.

Gas gauge - 21655 MCFD (mist). Water estimate - 800 BPD.

Ran 117 jts (3683.01') 2-7/8" 6.5# J-55 EUE 8rd FBNAU USS tubing, bottom of tubing 3699' MD, 3128' TVD. Top of F nipple 3665' MD, 3094' TVD.