

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 **X** 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)  
  
1070' FSL, 465' FEL - Sec. 4, \_\_\_\_\_

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.# 421R  
9. API Well No.: 30-039-24641  
10. Field & Pool/Expltry 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.)\*

4-12-90 Move in and rig up.

4-13-90 Pick up drill pipe and TIH.

POOH, stand back drill pipe. Nipple up BOP, mud cross, manifold, and blooie lines. Test blind rams, casing, and manifold valves to 2000 psi.

TIH. Rig up power swivel. Test two sets pipe rams to 2000 psi - held OK.

4-14-90 Working pipe at TD with water. Finish testing pipe rams to 2000 psi. Drill cement, float, and shoe 2831-3882'; insert float at 2837'.

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

Signed: R. W. Williams ROY W. WILLIAMS Title: ADMINISTRATIVE MANAGER Date: 7/30/90

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved By \_\_\_\_\_ Title AUG 15 1990  
Conditions of approval, if any:

FARMINGTON RESOURCE AREA

BY RT

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.

NMOCD

4-14-90 Drill Fruitland coal at 2883' with water.

Had 30' flare at approximately 2950' increasing to 50' flare at TD.

Work pipe at TD with water. Moderate to light coal returns.

Coal Intervals:	2887-2889'
	2895-2897'
	2922-2932'
	2934-2941'
	2944-2963'
	2972-2980'
	3005-3006'
	3100-3010'

Top of Pictured Cliffs Tongue -	3007'
Pictured Cliffs -	3110'
Total Depth -	3112'

4-15-90 Work pipe at TD with water; returns light to moderate.

4-16-90 Work pipe at TD with water; returns moderate to light coal.

Work pipe at TD, hole started getting sticky, increase pump rate; returns heavy coal dust and coal. Returns went to light coal after one hour, pipe free. Gradually reduced pump rate, shut pump off, unloaded heavy coal dust and coal.

Work pipe at TD with water, drill pipe torqued up, unloaded heavy coal dust and coal in black water.

4-17-90 Work pipe at TD with water sweeps. Well unloaded with heavy coal dust and coal.

Pipe became sticky, well unloaded very heavy coal dust and coal and black viscous water.

5 gal. bucket test 1028 BPD 1/2 hour after sweep; 514 BPD 1 hour after sweep.

4-18-90 Work pipe at TD with water sweeps each hour. Returns light coal. No torque, no drag.

4-19-90 Close pit side blooie line slowly, open 2" relief line on manifold, close V door blooie line slowly, open fixed choke, close 2" line, run flow test, fixed choke, all gauges wet: 8185 MCFD; 9422 MCFD; 10,658 MCFD.

Start killing well with water, pump pressure, holding back pressure with adjustable choke. Work back pressure down, rotate pipe slowly, well under control with back pressure; switch to pumping across stack, pull drill pipe, hang string off in BOP.

Nipple down stripper head, rig up Cudd, pump across stack, losing approximately 150 to 175 BPH water.

Strip out of hole with drill pipe, holding on back side, losing water. Stack pressure increasing.

Change out rams, rig up to snub.

4-20-90 Snub out and lay down drill collars. Change rams and rig up to run 5-1/2" liner. Snub in 5-1/2" casing and liner hanger and drill pipe.

Drill pipe heavy; rig down snubbing equipment. Strip 30 stands and 1 single in hole.

Rig up swivel, wash and rotate to TD at 3112'. Pick pipe up off bottom 1', liner either set or packed off, drop ball and attempt tot set liner with pump pressure - no good.

Ran 5-1/2" casing and liner hanger. Ran 1 half-plugged jt; 5 full-perfed jts; 1 half-blank ft; and 1 full blank jt. Total liner length 300.86'

Liner Summary:

Shoe - 3111'  
Top of liner - 2810.14'  
Overlap - 73'

Perforations (8HPF)  
2879-3109'

4-21-90 Run sinker bar on slick line to check to see if ball was seated. Pressure up on drill pipe.

Pressure test drill pipe to 2300 psi; pressure slowly bled off. Slowly pressure to 2500 psi; pressure bled off slowly. Pressure to 2650 psi; pressure dropped to 650 psi, broke circulation.

Back off liner hanger, circulate hole with water. Some gas-cut water.

POOH and lay down 3-1/2" drill pipe.

4-22-90 TIH with drill pipe. TOOH and lay down same. CHange rams and prepare to pick up tubing.

Pick up 4-1/2" plug mill, tubing, F nipple. TIH picking up tubing.

4-23-90 TIH picking up 2-7/8" tubing. Top of liner at 2811', top plugs at 2879'.

Drill plugs, let pressure on well bleed down through choke.

Drill plugs holding back pressure on annulus. Load hole with water. Chemical-cut tubing, cut off mill.

Lay down 2-7/8" tubing, land tubing on donut. Tubing landed at 2907.41 with top F nipple at 2882'. Left mill .77', bit sub 2.00', and 6' of 2-7/8" tubing in bottom of 5-1/2" liner.

Nipple down BOP and nipple up tree.

Flow test well through 3/4" choke: 1/4 hr - 645 psi, 8108 MCFD; 1/2 hr - 725 psi, 9113 MCFD; 3/4 hr - 800 psi, 10,040 MCFD; 1 hr - 860 psi 10,782 MCFD (all gauges wet).

Pitot test through 2-1/2" line: 1/4 hr - 100-210 psi; 1/2 hr - 125-190 psi; 3/4 hr - 160 psi, 22,932 MCFD; 1 hr - 22,932 MCFD (all gauges wet).

Pull plug from tubing. Rig down to move.

4-24-90 Rig released at 8:00, 4-23-90.