Form 3160-5
*(December 1989)

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

RECEIVED
MINERAL ROOM
90 JUL 31 AM 11:04
FARMINGTON, N.M.

SUBMIT IN TRIPLICATE

1. Type of Well: oil well ___ gas well X other ___	5. Lease Designation & Serial #: NM-013706A
2. Name of Operator: Blackwood & Nichols Co., Ltd.	6. If Indian, Allottee/Tribe Name:
3. Address of Operator: P.O. Box 1237, Durango, CO 81302-1237	7. If Unit or CA, Agmt. Design.: Northeast Blanco Unit
4. Location of Well: (Footage, Sec., T., R., M., or Survey Description) 795' FSL, 1825' FEL - Sec. [redacted]	8. Well Name and No.: N.E.B.U.# 431
	9. API Well No.: 30-039-24339
	10. Field & Pool/Explty 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
___ Notice of Intent	___ Abandonment; ___ Recompletion; ___ Plugging Back; ___ Casing Repair; ___ Altering Casing; X Other: COMPLETION
_X_ Subsequent Report	___ Change of Plans; ___ New Construction; ___ Non-Routine Fracturing; ___ Water Shut-Off; ___ Conversion to Injection
___ Final Abandonment Notice	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

RECEIVED
AUG1 6 1990
OIL CON. DIV.
DIST. 3

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.)*

6-29-90 Move in and rig up. Test blind rams, 7" casing, and manifold to 2000 psi for 15 minutes - OK.

Pick up 6-1/4" bit. TIH with 3-1/2" drill pipe, tag cement at 2864'. Pressure test pipe rams individually, 4-1/16" valves, and choke manifold to 2000 psi for 15 minutes -OK. Drill insert @ 2888' and 7" shoe at 2933'.

Drill Fruitland formation 2933-2952' with water.

6-30-90 Circulate and work pipe at TD with water. Returns very light coal.

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)

Approved By ___ Title ___ Date AUG 15 1990

Conditions of approval, if any:

ACCEPTED FOR RECORD
FARMINGTON RESOURCE AREA
BY

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.

Coal Intervals:
2972-2973'
2974-2975'
2998-2999'
3001-3002'
3015-3016'
3055-3057'
3058-3060'
3068-3074'
3075-3076'
3078-3079'
3081-3085'
3109-3111'
3113-3116'
3118-3120'
3124-3125'
3142-3143'
3144-3149
3152-3154
3170-3172'
3173-3175'

Top P.C. - 3180'
Total Depth - 3182'

7-01-90 Circulate and work pipe at TD with air and water. Returns coal.

7-02-90 Work pipe at TD with air water sweeps each hour. Returns moderate coal.

7-03-90 Circulate and work pipe at TD with air and water sweeps. Returns moderate coal.

Pull into 7" casing for pitot test #1: 1/4 hr - 31 psi, 3.848 MMCF; 1/2 hr - 40 psi, 4.653 MMCF; 3/4 hr - 40 psi, 4.653 MMCF, 1 hr - 41 psi, 4.742 MMCF. Shut in test #1: 1/4 hr - 870 psi; 1/2 hr - 1125 psi; 3/4 hr - 1200 psi; 1 hr - 1250 psi.

Bleed well down slowly to 80 psi. Open one blooie line then second blooie line.

RIH had 20' of fill.

Clean out to TD with with air, and water. Returns heavy coal fines, then light coal fines.

Circulate and work pipe at TD with air, and water sweeps. Returns moderate coal.

Water production - 411 bbls per day.

7-04-90 Finish 1 hour 2" pitot test #2: 1/4 hr - 25 psi, 3311 MCFD; 1/2 hr - 30 psi, 3758; 3/4 hr - 36 psi, 4295; 1 hr - 38 psi, 4474 MCFD (all gauges misty). Bleed down slowly. TIH, 6' fill.

Circulate and clean out to TD with air and water. Returns heavy coal fines.

Hole became sticky and pipe stuck. Shut down air and water. Let well pressure up and unload heavy coal fines with viscous black water. Hole sticky and unloading heavy coal fines in viscous black water.

Circulate and work pipe from TD with air and water. Returns light coal fines

7-05-90 Circulate and work pipe at TD with air and water. Pipe gets sticky, well unloads heavy coal dust and black viscous water. Hole cleaned up with last water sweep at 2:00 p.m.

Ran bucket test at 3:00 p.m. - 370 BPD water.

Pull into 7" casing, run 1 hour pitot test #3: 1/4 hr - 42 psi, 4832 MCFD; 1/2 hr - 43 psi, 4922; 3/4 hr - 45 psi, 5101; 1 hr - 47 psi, 5280 MCFD (all gauges misty).

Circulate and work pipe at TD with air and various sized water sweeps each hour. Pipe gets sticky. Returns on sweeps, heavy coal dust in black viscous water, then light coal fines.

7-06-90 Circulate and work pipe at TD with air and water sweeps. Returns light coal.

Pull into 7" casing for pitot test #4. 1/4 hr - 45 psi, 5.101 MMCF; 1/2 hr - 46 psi, 5.190; 3/4 hr - 47 psi, 5.280; 1 hr - 51 psi, 5.638 (all gauges damp).

Release pressure slowly through manifold. Had 1' fill, tight spot 3138'-3144'.

Circulate and work pipe at TD with air and water. Returns moderate coal.

7-07-90 Circulate and work pipe with air and water. Returns on sweeps, light coal.

Pull into 7" casing. Flow well through 1 blooie line, monitor annular pressure: 1/4, 1/2, 3/4, and 1 hr - 9 psi.

Run pitot test #5 through 2" line: 1/4 and 1/2 hr - 47 psi, 5100 MCFD; 3/4 hr - 51 psi, 5637; 1 hr - 53 psi, 5995 MCFD.

Circulate and work pipe at TD with air and BPM water and water, hole tight and sticky. Hole unloaded heavy coal.

Circulate and work pipe at TD with air and water, hole tight and sticky. Hole unloaded heavy coal. Hole freed up.

Circulate and work pipe at TD with air and water. Returns light fine coal.

7-08-90 Run 5-1/2" casing.

Pick up and make up liner hanger. Attempt to run in hole - gas flow too high. Liner would not go in hole.

Kill well with water. Begin circulating across BOP stack holding 300 to 400 psi back pressure. Run 3-1/2" drill pipe on 5-1/2" x 7" liner hanger and set at 3182'.

Lay down 3-1/2" drill pipe.

Change over to pick up and run 2-7/8" tubing.

Pick up 4-1/2" plug mill, and 2-7/8" tubing. Tag liner top at 2854' and top perf at 2936'. Mill plugs to 3179'. Run pitot test through 2-7/8" liner: instantaneous - 40 psi, 6933 MCFD (wet); 1/4 hr - 62 psi, 9866 MCFD (wet).

Run 5-1/2" casing, set at 3182'. Top of 5-1/2" x 7" liner hanger 2854.55'. Overlap with 7" casing - 78'. Total liner length = 327.45'. Perforations: 2936-3003' and 3025-3180'.

7-09-90 Cut off mill and float sub and leave same on bottom of 5-1/2" liner.

Lay down of 2-7/8" tubing and land tubing at 3071', F nipple at 3037'.

Nipple down BOPs and nipple up upper tree.

Pull plug out of F nipple.

7-09-90 Flow and gauge well through 3/4" choke: 1/4 hr - 325 psi, 4132 MCFD; 1/2 hr - 350 psi, 4438; 3/4 hr - 375 psi, 4745; 1 hr - 400 psi, 5051; 1-1/4 hrs - 375 psi, 4745; 1-1/2, 1-3/4, and 2 hrs - 350 psi, 4438 MCFD (all gauges wet).

Release rig at 12:00 a.m., 7-09-90.

Ran 2-7/8" tubing, set at 3071.01' with F nipple (2.25" ID) run one jt off bottom, set at 3037.28'.