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

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)

975' FNL - 1935' FWL
Section 21, 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.# 505

9. API Well No.: 30-039-2517

10. Field & Pool/Explitry 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	___ Change of Plans
X Subsequent Report	___ Recompletion	___ New Construction
___ Final Abandonment Notice	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut-Off
	___ Altering Casing	___ Conversion to Injection
	X Other: Completion	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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
BLM
92 NOV 16 PM 1:04
070 FARMINGTON, N.M.

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

Signed: Al Rector Al Rector Title: District Superintendent Date: 11/12/92

(This space for Federal or State office use)

Approved By ___ Title ___ Date ___

Conditions of approval, if any:

ACCEPTED FOR RECORD
NOV 3 0 1992
FARMINGTON RESOURCE AREA
BY SMS

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. 505 - Basin Fruitland Coal

LOCATION: 975' FNL, 1935' FWL
Section 21, T30N, R7W
Rio Arriba County, New Mexico

10-19-92 7" casing set at 2950'. NU BOP equipment. Run temperature survey.

10-20-92 RU. Pressure test 7" casing and blind rams, casing valves, and choke manifold to 2000 psi for 30 minutes - held OK. Put DC and DP on rack and tally. PU 6-1/4" Smith FDT bit (serial no. KV4379), bit sub with float, one 4-3/4" DC, one 1.87" ID Baker F nipple, nine 4-3/4" DC, one jt 3-1/2" DP, one 2.25" ID Baker F nipple, and safety sub (total length 348.60'). Test one set of 4-3/4" pipe rams. Test inside and outside valves on blooie lines to 2000 psi for 30 minutes - held OK.

PU 82 jts 3-1/2" DP and TIH.

10-21-92 RU power swivel. Pressure test two sets of 3-1/2" pipe rams to 2000 psi for 30 minutes - held OK. Drill float, cement, and casing shoe. Drill 6-1/4" hole from 2950-3137' with 10-12,000# WOB, 6 BPM water, 90 RPM, and 500 psi.

Coal intervals:		
	2966-2967'	1'
	2977-2978'	1'
	3012-3017'	5'
	3018-3021'	3'
	3022-3030'	8'
	3046-3048'	2'
	3049-3053'	4'
	3055-3057'	2'
	3060-3061'	1'
	3071-3074'	3'
	3075-3078'	3'
	3079-3081'	2'
	3106-3107'	1'
	3109-3111'	2'
	Total coal:	38'

Top of PC 3135'.
TD 3137'.

Circulate and work pipe with 6 BPM water. Reduce to 5 BPM, 4 BPM, and then 2.5 BPM. Small intermittent flare. Very light coal fines in returns. Added 750 SCF MM air at 6:00 a.m.

10-22-92 Circulate and work pipe with 750 SCF air and 2.5 BPM water. Very little coal fines in returns. No flare.

Circulate and work pipe with 1.5 MMSCF air and 2.5 BPM water. Light coal fines in returns. No flare.

Circulate and work pipe with 2.25 MMSCF air and 2.5 BPM water. Light coal fines and intermittent flare.

Circulate and work pipe with 2.25 MMSCF air and 2.0 BPM water. Light coal fines with 2-3' flare.

Circulate and work pipe with 2.25 MMSCF air and 0.5 BPM water with 10 Bbl water sweeps each half hour. Some coal fines on sweeps. Flare increased to 4-6'.

Circulate and work pipe with 1.5 MMSCF air and 0.5 BPM water with 10 Bbl water sweeps each hour. Light coal fines on sweeps until 4:00 a.m. Increased to light 1/4" coal and shale (90%) and 8-10' flare.

10-23-92 Circulate and work pipe with 1500 CFM and 1/4 BPM water with 10 Bbl water sweeps each hour. Light 1/8" coal (40% coal, 60% shale) in sweeps.

LD 8 jts of DP, flow test well with pitot tube 15 minutes - 60 minutes. 752 MCFD - no water on surface during test. SI for pressure build up: 15 min. - 210 psi; 30 min. - 400; 45 min. - 520; 1 hr - 640 psi.

Pressure up to 700 psi with air three times and surge through blooie lines.

TIH, had 1' fill. Clean out with air and water.

LD 8 jts, pressure up to 1000 psi three times and surge through blooie lines.

TIH, had 10' fill. Clean out with air and water. Had 1/8" coal (70%) and shale in returns.

Circulate and work pipe with 1500 CFM air and 1/2 BPM water and 10 Bbls water sweeps each hour. Very light coal while circulating and working pipe; small amount of coal on sweeps.

10-24-92 Circulate and work pipe with 1500 CFM air and 1/2 BPM water with 10 Bbl water sweeps each hour. Very light coal in returns.

LD 8 jts DP to pitot test well: 15 min. - 707 MCFD; 30 min. - 707; 45 min. - 726; 1 hour - 726 MCFD.

Pressure up to 1200 psi three times and surge through blooie line.

TIH, had 12' fill. Clean out with air and water. Had heavy 1/8" coal (60%) in black water.

Circulate and work pipe with 1500 CFM air and 1/2 BPM water with 10 Bbl water sweeps each hour. Very light coal and shale on sweeps.

LD 8 jts, pressure up to 1000 psi three times, surge through blooie line.

TIH, had 1' fill, clean out with air and water. Returns heavy coal fines.

Circulate and work pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Light fine coal (60%) on sweeps.

10-25-92 Circulate and work pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Had light 1/4" coal (60%) in returns.

LD 8 jts, flow test through 2" line: 15 min., 30 min., 45 min., and 1 hour - 970 MCFD. Estimate water at 140 Bbls per day.

Pressure well to 850 psi three times and surge.

TIH, had 18' fill. Clean out with air and water. Heavy 1/4" coal and shale in black water.

Circulate and work pipe with 1500 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. On sweeps had moderate to light coal and shale in black water.

Circulate and work pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Light coal and shale in black water. On sweeps had moderate coal (50%) and shale in black water.

LD 8 jts and flow test well: 15 min., 30 min., 45 min., and 1 hour - 1236 MCFD. No water to surface during test.

10-26-92 SI for pressure buildup: 15 min. - 250 psi; 30 min. - 640; 45 min. - 660; 1 hr. - 680 psi.

Pressure well to 850 psi with air three times and surge through blooie lines.

TIH, had 8' fill. Clean out with water and air. Moderate 1/4" coal, shale, and siltstone in black water.

Circulate and work pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Light 1/8" coal and shale on sweeps.

Short trip 8 jts. Pressure well to 850 psi two times and surge through blooie lines.

TIH, had 15' bridge at 3069' and 20' fill on bottom. Clean out with air and water. Heavy 1/4" coal and shale in black water. Large amount of fines burning in flare.

Circulate and work pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Light 1/8" coal and shale in returns. On sweeps had light 1/8" coal and shale in black water.

10-27-92 Short trip 8 jts. Flow test through 2" with pitot tube: 15 min., 30 min., 45 min., and 1 hour - 1756 MCFD.

Pressure up on well with air to 850 psi three times and surge through blooie line.

TIH, 4' fill. Clean out with air and water. Had light 1/8" coal, shale, and silt in returns.

Circulate and work pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Very light 1/8" coal, shale, and silt in clear water on returns.

Short trip 8 jts. Pressure up on well with air to 800 psi four times and surge through blooie line.

TIH, had 3' fill. Clean out with air and water. Light 1/8" coal (80%), shale, and silt in returns.

Circulate and work pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Very light 1/8" coal, coal fines, shale, and silt in returns; a lot of burning coal fines in flare.

10-28-92 Short trip of 8 jts. Flow test through 2" with pitot tube: 15 min., 30 min., 45 min., 1 hr. - 2148 MCFD.

Pressure up on well with air to 800 psi nine times and surge through blooie lines.

TIH, had 9' fill. Clean out with water and air. Moderate 1/8" and smaller coal (80%) in black water.

Circulate and rotate pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Had light 1/8" and smaller coal in clear water in returns.

10-29-92 Short trip of 8 jts. Flow test through 2" line with pitot tube: 15 min., 30 min., 45 min., 1 hr. - 2237 MCFD.

Pressure up on well with air to 750 psi three times and surge through blooie lines.

TIH, hit bridge 3093-3100', had 12' fill on bottom. Clean out with water and air. Heavy 1/4" coal and shale in returns.

Circulate and rotate pipe with 2150 CFM air and 1/2 BPM water with 10 Bbl water sweeps each hour. Moderate 1/8" coal and shale in returns.

Circulate and rotate pipe with 2150 CFM air and 1/2 BPM water with 10 Bbl water sweeps each hour. Light 1/8" coal and shale in returns.

10-30-92 Short trip 8 jts. Flow test through 2" with pitot tube: 15 min., 30 min., 45 min., 60 min. - 2595 MCFD.

Pressure up on well with air to 750 psi three times and surge through blooie lines.

TIH, had 4' fill. Clean out with water and air. Moderate 1/4" coal, shale, and silt in black water.

Circulate and rotate pipe with 2150 CFM air and 1/4 BPM water with 20 Bbl water sweeps each hour. Had light 1/8" coal, shale, and siltstone in clear water in returns.

Short trip 8 jts.

10-31-92 Flow test through 2" line with pitot tube: 15 min. - 2774 MCFD; 30 min., 45 min., 60 min. - 2863 MCFD.

Pressure up on well with air to 750 psi three times and surge through blooie lines.

TIH, had 2' fill. Clean out with water and air. Light 1/8" coal, shale, and siltstone in returns.

Circulate and rotate pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Very light coal, shale, and siltstone in returns.

Short trip and flow test through 2" line with pitot tube: 15 min. - 2506 MCFD; 30 min. - 2595; 45 min. and 60 min. - 2684 MCFD.

TIH, no fill. Circulate and rotate pipe with 2150 CFM air and 1/2 BPM water with 20 Bbl water sweeps each hour. Very light coal, shale, and siltstone in returns.

11-01-92 Short trip and flow test through 2" line with pitot tube: 15 min. and 30 min. - 2774 MCFD; 45 min. - 2148; 60 min. - 3221; 75 min. - 2953 MCFD.

TIH, hit bridge at 3092'. Clean out with air and water. Heavy 1/4" coal, shale, and siltstone in black water in returns. Hole sticky 3092-3105' with 20,000# drag. Clean out to 3137'.

Short trip to 7" and TIH, no fill. Lay down drill pipe and drill collars. Rig up to run tubing.

Run 95 jts (2937.20') 2-7/8" 6.5# J-55 EUE 8rd tubing with notched collar on bottom and 2.25" ID Baker F nipple 1 jt up. Landed at 2950.70'. Top of F nipple at 2917.81'.

ND BOP, NU upper tree. Test tubing hanger to 2700# for 30 minutes - test good.

RU Jay Wireline, pull tubing plug from nipple at 2918'. RD to move, rig released at 2:00 a.m., 11-02-92.