

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. **E**, T., R., M., or Survey Description)
Surface: **1830' FSL, 830' FEL** Bottomhole: **1376' FSL, 840' FWL**
Section 12, T30N, R2W **Section 7, T30N, R7W**

5. Lease Designation & Serial #
SF079042
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.# 461
9. API Well No.:
30-045-28222
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 type="checkbox"/> Other: (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	<input type="checkbox"/> Change of Plans
	<input checked="" 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.)*

11-02-90 Move in and rig up.

11-03-90 Spud 12-1/4" surface hole at 10:30 a.m., 11-02-90. Drill kelly down, pick up 14-3/4" RT, shock sub, and 8" drill collar. Drill 74' of boulders.

Continued on attached pages

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OIL CON. DIV.

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

Signed: R.W. Williams ROY W. WILLIAMS

Title: ADMINISTRATIVE MANAGER

Date: 12/12/90

(This space for Federal or State office use)

Approved By _____ Title _____
Conditions of approval, if any:

ACCEPTED FOR RECORD
Date _____

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Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to furnish to any agency or the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

BY [Signature]

MAILED

- 11-04-90 Drill to 300'. Run 7 jts (307.55') 10-3/4" 40.5# WC50 ST&C Lone Star casing with Texas pattern guide shoe at 300', one centralizer middle of jt #1. Pump 20 Bbls water ahead. Cement with 480 sx (566.4 cf) Class B with 2% CaCl_2 and 1/4 #/sk flocele. Mix at 15.6 ppg. Displace to 270' with 27 Bbls water. Circulate 27 Bbls cement to surface. Plug down at 3:45 p.m., 11-03-90. WOC. Cut off casing and weld on bradenhead. Nipple up BOP.
- 11-05-90 Finish nipping up. Test casing, blind rams and manifold to 1000 psi - held OK. TIH. Drill cement to 300' and formation to 375'. Orient tools. Mix mud and POOH. Pick up 1° bent housing dynadrill mud motor. TIH and condition mud. Survey: 1/2° S 45° E at 375'.
- 11-06-90 Wait on shale shaker, change screens, drill. Made 986' in 20-1/2 hours drilling. At 1361' MD and 1263.2' TVD inclination = 46°; azimuth angle = S 88° E; horizontal displacement = 360.09'.
- 11-07-90 Made 462' in 12 hours drilling. Drill, circulate, trip to change BHA. Ream and wash 400' to bottom. Drill. At 1821' MD and 1566.43' TVD inclination = 48.9°; azimuth angle = S 89.38° E; horizontal displacement = 705.49'.
- 11-08-90 Made 775' in 24 hours drilling. Drill, rotating and sliding. At projected depth of 2615' MD and 2118.6' TVD inclination = 41.0°; azimuth angle = S 88° E; horizontal displacement = 1273.4'.
- 11-09-90 Made 312' in 14-1/2 hours drilling. Drill to 2630' and circulate. POOH for bit change. TIH with new bit, drill ahead. At 2920' MD and 2363.05' TVD inclination = 29.9°; azimuth angle = N 89° E; horizontal displacement = 1454.83'.
- 11-10-90 Made 305' in 23-1/4 hours drilling. At 3225' MD and 2642.29' TVD inclination = 16.7°; azimuth angle = S 87.6° E; horizontal displacement = 1454.83'.
- 11-11-90 Made 255' in 23-1/2 hours drilling. At 3480' MD and 2892.13' TVD inclination = 4.77°; azimuth angle = S 87° E; horizontal displacement = 1624.04'.
- 11-12-90 Made 109' in 8-3/4 hours drilling. Drill, circulate, and survey bottom hole location. Rig up and lay down drill pipe (pulled 5 jts. 7 kelly) and BHA. At 3589' PU bit, near bit reamer (3 pt.), one 7" drill collar, in-string reamer (3 pt.), three 7" drill collars, jars, heavy weight pipe, and 5" drill pipe. Ream. At 3589' MD and 3000.97' TVD inclination = 0°, azimuth angle = N 89.11° E; Horizontal displacement = 1628.96'.
- 11-13-90 Ream to 3589'. Made 51' in 4-3/4 hours drilling. Circulate and lay down drill pipe, heavy weight pipe, and BHA.

11-14-90 Change rams, rig up and run 90 jts (3662.16') 7-5/8" 29.7# N-80 LT&C Dalmine (Italy) casing; guide shoe set at 3638.14'; insert float at 3594.26'. Turbolizers one each at middle of jt #1, and tops of jts #2, 4, 6, 8, 35, 36, 37, 38, and 39. Centralizers tops of jts #10, 12, 14, 16, 18, 20, 22, 22, 24, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, and 86. Pump 20 Bbls mud flush with a bottom pipe-wiper plug and cement with 822 sx (1249 cf) Halliburton Light Cement with 1.2% Halad 322, 2% KCl, and 1/4 #/sk flocele (13.2 ppg). Tail with 125 sx (147.5 cf) Class B with .4% Halad 344, .4% CFR3, 1% CaCl₂, and 1/4 #/sk flocele (15.6 ppg), followed with top pipe-wiper plug. Displace with 166 Bbls water. Bump plug with 1500 psi at 3:40 p.m., 11-13-90. Check float - OK. Good circulation throughout job. Circulate 14 Bbls cement slurry. Set 70,000# on slips. Cut off casing, Nipple up tubing spool. Test to 1500 psig - OK. Nipple up. Release rig at 11:59 p.m., 11-13-90. PBSD 3638' MD, 3038' TVD.