

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other Instructions on re-  
verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

|                                                                                                                                                                 |  |                                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Wildcat                                        |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>SF 079001                |  |
| 2. NAME OF OPERATOR<br>Blackwood & Nichols Co., Ltd.                                                                                                            |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                            |  |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 1237, Durango, CO 81302-1237                                                                                                |  | 7. UNIT AGREEMENT NAME NEBU<br>Agreement No. 1, Sec. 929        |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.<br>See also space 17 below.)<br>At surface<br>1450' F/NL, 790' F/WL |  | 8. FARM OR LEASE NAME<br>Northeast Blanco Unit                  |  |
| 14. PERMIT NO.                                                                                                                                                  |  | 9. WELL NO.<br>501                                              |  |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>6313'                                                                                                         |  | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat Disposal Well         |  |
|                                                                                                                                                                 |  | 11. SEC., T., R. M., OR BLK. AND<br>SURVEY OR AREA<br>E-10-30-7 |  |
|                                                                                                                                                                 |  | 12. COUNTY OR PARISH<br>Rio Arriba                              |  |
|                                                                                                                                                                 |  | 13. STATE<br>New Mexico                                         |  |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Cementing

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

X

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

17. 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 attached

RECEIVED  
SEP 23 1988  
OIL CON. DIV.  
DIST. 3

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

SIGNED

William F. Clark

TITLE Operations Manager

DATE

Sept 14, 88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

## PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.  
**PRINCIPAL PURPOSE:** The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501. et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

- 6-07-88 Spud well at 1:30 p.m. (6-6-88). Drilled 17 1/2" surface hole to T.D. of 325'.
- 6-09-88 Opened hole to 26" to a depth of 322'. Ran 8 joints of 20" K-55 BUT casing and set at 323'. Cemented down 4 1/2" drill pipe with 462 sacks (545 cf) of Class B Neat with 2% CaCl<sub>2</sub> and 1/4# flocele per sack. Plug down 7:15 p.m. (6-8-88). Circulated a total of 30 bbls. of good cement.
- 6-10-88 Pressure tested 20" casing to 850 psig - held ok. Pressure tested casing shoe cement job to 850 psig. Did not hold. Howco squeezed 20" casing shoe with 100 sacks (118 cf) of Class B Neat with 2% CaCl<sub>2</sub>. Displaced cement slurry with steady pressure increase from initial 600 to 1100 psig. Pressured up to 800 psig and shut well in.
- 6-18-88 Drilled to a 10 3/4" casing TD of 3616'.
- 6-19-88 Ran Dual Induction and FDC/CNL. Ran 89 joints 10 3/4" casing J-55, ST&C, USS, 24 joints of 45.5#/ft (947') and 65 joints of 40.5#/ft. (2662') set at 3616'. Multiple stage cementer at 2702'. Cement first stage with 20 bbls. mud flush followed by 375 sacks (632 cu. ft.) Howco Lite with 0.6% Halid 9 2% CaCl<sub>2</sub> and 1/4# flocele/sk. Tailed in with 100 sxs. (118 cu. ft) Class B with 1/4# flocele/sx. Bump plug to 1200 psi, Check float - held okay.
- 6-20-88 Cement 2nd stage with 20 bbls. mud flush followed by 1485 sxs. (2504 cu.ft.) Howco Lite with 2% CaCl<sub>2</sub> and 1/4# flocele/sk. Tailed in with 100 sacks (118 cu.ft.) of Class B with 1/4# flocele/sk. Bumped plug to 1500 psi. Check float - ok. Close DV tool. Ran temperature survey @6:30 p.m. 6/19/88. TOC - surface with good to some cement to 1400'. Poor cement from 1400' to 1800'. Some cement from 1800' to 2500' and good cement from 2500' to 2700'.
- 6-21-88 Pressure tested 10 3/4" casing to 1500 psig, held ok. Started drilling 9 7/8" hole with air.
- 6-27-88 Drilled to a TD of 7725' Ran Induction, Density and Neutron logs.
- 6-28-88 Ran 102 jts. (36 - 29.7# - 1433.62' & 66 - 26.4# - 2895.70') of 7 5/8", N-80 casing. Ran in hole on TIW 10 3/4" x 7 5/8" liner hanger and 108 joints 4 1/2" DP. Attempt to set TIW hanger. Slips set while working pipe. Attempt to back off setting tool. Tool jumped several feet apparently setting liner hanger pack off on rebound. Liner is set and probably packed off. Rigged up Blue Jet to perforate 7 5/8" casing at 3620' with 4 squeeze holes.

(continued)

- 6-29-88 Set retainer at 3768' then established circulation with air through squeeze holes at 3620'; 7 5/8", N-80, 29.7# & 26.4#, new USS casing liner with 10 3/4" x 7 5/8" TIW liner hanger top at 3373'; liner shoe at 7717', float collar at 7674'.

Cemented 7 5/8" liner through retainer with 975 sacks (1258 cf) 50/50 Pozmix with 2% gel, 10% salt, 1/4# flocele per sack, 0.1% Halid 9 and 0.1% HR-7. Pulled setting tool out of cement retainer then tripped out of hole with tool and 3 1/2" drill pipe. Job complete at 12:30 a.m. 6-29-88.

- 6-30-88 Pressure tested casing - established a rate of 1 1/2 BPM at 1200 PSIG, held pressure at 900 PSIG. Tripped in hole with 7 5/8" RTTS packer. Set at 3488', then pressure tested annulus to 1500 PSIG - held ok. Established rate of 5 BPM at 1500 PSI down drill pipe into squeeze holes at 3620'. Mixed and displaced 175 sacks (225 cf) 50/50 Poz with 2% gel, 10% salt, 1/4# flocele, 1% Halid 9, 0.1 HR7 at 13.5 ppg and then 100 sacks (118 cf) Class H with 0.5% Halid 322 and 0.1% HR7 at 15.6 ppg. Cleared packer with 28 bbls. of water; did not get a squeeze pressure.

Squeezed again with 100 sacks (118 cf) Class B Neat with 2% CaCl<sub>2</sub> at 15.6 ppg. Final squeeze pressure of 1500 psi after three 10 minute hesitations. Job complete 6:30 a.m. 6-30-88. Released 7 5/8" packer and pulled packer into 10 3/4" casing and then pressured up to 1500 PSIG. Shut well in for WOC - 12 hours.

- 7-01-88 Pressure test 7 5/8" casing to 1500 psi for 15 minutes - held ok. Drilled retainer. Tagged cement at 7360'. Drilled out cement float collar and shoe to 7717'. Pressure test 7 5/8" and 10 3/4" casing to 1500 psi for 15 minutes - held ok.

- 7-13-88 Drilled 6 3/4" hole to 8956'.

- 7-14-88 Ran Induction, Density and Neutron logs. Ran 37 jts. 5 1/2", 17#, N-80, LT&C USF casing and 7 5/8" x 5 1/2" T.I.W. liner hanger.

Cemented liner with 185 sacks (272 cu. ft.) Class H with 35% SSA-2, 1.0% Halad 22A, 0.5% CFR2, 0.2% HR7 & 1/4# flocele/sk. Precede cement with 20 bbls. mud flush.

Bump plug to 1800 psi. Check float okay.

Set liner hanger packoff with 50,000# weight. Reverse out 10 bbls. mud flush from liner top.

Rig released at 8:00 p.m. 7/14/88.