

(November 1983)
(Formerly 9-331)

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other Instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.
NM03368
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
Blackwood & Nichols Co., Ltd.

3. ADDRESS OF OPERATOR
P. O. Box 1237, Durango, Colorado 81302

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
790' FSL, 1190' FWL

14. PERMIT NO.
3004524890

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6637' KB

7. UNIT AGREEMENT NAME
Northeast Blanco Unit
8. FARM OR LEASE NAME
Northeast Blanco Unit
9. WELL NO.
206
10. FIELD AND POOL, OR WILDCAT
S. Los Pinos-Fruitland PC
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T31N, R7W, NMPM
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR

(Other)

SUBSEQUENT REPORT OF:

PAIRING WELL

ENTERING CASING

ABANDONMENT*

(Note: Report on multiple completion on Well Completion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true depths for all markers and zones pertinent to this work.)*

Ojo Alamo, Nacimiento P&A Proposal:

PC Abandonment Review

On 5-10-88 the Upper Pictured Cliffs perforations from 3414' to 3432' (Fruitland Sand in previous reports) were abandoned. 60 sx (71 cf) of cement were spotted from 3491' to 3200' and the uppermost Pictured Cliffs perforations were squeezed off. The next day hard cement was found at 3132'. A bridge plug was then set at 2700'.

Casing Repair Review

On 5-11-88 holes were found in the 4-1/2" casing between 800' and 1200' and squeezed with 300 sx (354 cf) of cement. Final squeeze pressure was 2000 psig. Cement was drilled out from 645' to 1170' and pressure tested to 2500 psig. It bled down to 2150 psig after 15 minutes. However, no measurable pump rate could be established.

(Continued on attached page)

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

SIGNED William F. Clark

TITLE Operations Manager

DATE January 31, 1990

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

AS AMENDED

DATE

*See Instructions on Reverse Side

Continued from Form 3160-5

Ojo Alamo, Nacimiento Water Quality Test Review

The Ojo Alamo and Nacimiento formations were perforated and swab tested between 5-13 and 11-18, 1988. Water quality in both zones proved unacceptable for possible water disposal.

Ojo Alamo & Nacimiento Zones Perforation Summary

The Ojo Alamo was perforated on 5-13-88 with 1 SPF at 2427', 2447', 2462', 2482', 2496', and 2536'. The upper Nacimiento was perforated on 6-22-88 with 2 SPF from 1798' to 1830'. The lower Nacimiento was perforated on 11-18-88 with 2 SPF from 2190' to 2210' and from 2230' to 2250'.

Proposed P & A Procedure

- 1) MIRU workover unit; notify BLM.
- 2) ND wellhead; NU BOP.
- 3) Load hole with fresh water, circulate well using a self-contained steel rig pit.
- 4) Set a balance cement plug across Ojo Alamo and lower Nacimiento perforations from 2700' to 2350' using 27 sx (31 cf) Class B cement with 2% CaCl_2 and 1/4 #/sk cellophane flake mixed at 15.6 ppg.
- 5) Pull up to 2300'. Reverse out, clear tubing. POOH with tubing. Wait 2 hours. RIH, tag top of cement plug.
- 6) Set a balanced mud plug (weight 9.1 ppg, 45 sec. viscosity) between top of Ojo Alamo plug @ 2350' and 1900'.
- 7) Pull tubing up to 1900' and set a balanced cement plug across upper Nacimiento perforations from 1900' to 1650' using 20 sx (23 cf) Class B cement with 2% CaCl_2 and 1/4 #/sk cellophane flake mixed at 15.6 ppg.
- 8) Pull up to 1600'. Reverse out, clear tubing. POOH. Wait 2 hours. RIH, tag top of cement plug at 1650'.
- 9) Set balanced mud plug (weight 9.1 ppg, 45 sec. viscosity) from top of upper Nacimiento plug at 1650' to surface.
- 10) Pull up to 800'. Set top of cement plug from 800' to within 4' of surface using 21 sx (24 cf) Class B with 2% CaCl_2 and 1/4 #/sk cellophane flake. Wait 2 hours. Pressure test wellhead to 1000 psig for 15 minutes.
- 11) Remove 9-5/8" surface casing and 4-1/2" production casing 3' below surface. Install base plate and 4' abandonment marker including engraved well name and legal location.
- 12) Remove surface equipment, reseed location. Notify BLM for on-site inspection for final P&A approval.

BUREAU OF LAND MANAGEMENT
1235 La Plata Highway
Farmington, New Mexico 87401
Phone (505) 327-5344

Attachment to Notice of
Intention to Abandon

Re: Permanent Abandonment

Well: 206 NEBU

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."

2. Mark Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) ~~327-5344~~. 326-6201

3. Blowout prevention equipment is required.

4. The following modifications to your plugging program are to be made (when applicable):

*See surface plug from 850' - surface due to fresh water zones
in the San Juan.*

Office Hours: 7:45 a.m. to 4:30 p.m.

GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON RESOURCE AREA

1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.
2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.
3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.
4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl_2 is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).
5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perfs-unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.
 - 5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.
6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, and a nonfermenting polymer. Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.
7. Following the placement of a cement plug, the withdrawal rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.

8. Within 30 days after plugging work is completed, file a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5), in quintuplicate with Area Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.