

Form 3160-5  
(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Escrito	
2. NAME OF OPERATOR BCO, Inc.		8. FARM OR LEASE NAME Escrito Unit	
3. ADDRESS OF OPERATOR 135 Grant Avenue Santa Fe, New Mexico 87501		9. WELL NO. 11 (formerly Coleen #2)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980 FSL 660 FWL 17-24N-7W NMPM		10. FIELD AND POOL, OR WILDCAT Escrito Gallup	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 17-24N-7W NMPM	
15. ELEVATIONS (Show whether OF, RT, CR, etc.) GL 7177		12. COUNTY OR PARISH Rio Arriba	
		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

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)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

9/25/90 Have determined it is necessary to plug and abandon well. Called and discussed intent to plug with Steve Mason of the BLM on 9/24/90.

Well was drilled in 1960. Casing (4 1/2" set at 6102) was originally cemented with 150 sacks. Perforated with four shots per foot from 5990-6014 and 6032-6044. In 1974 set bridge plug at 5980 when Mayre member of Gallup watered out. Perforated 5804-10, 5866-72, 5875-77, 5885-86, 5900-03 with two shots per foot. When attempted to break down perfs, casing gave way and circulated out bradenhead. Cut casing at 275' and spliced with 275' used casing.

In 1986 repaired casing failure located between 3932 and 3964 with 85 sacks cement. At this time (1986) also pumped 14 barrels of cement down bradenhead to strengthen 1974 splice. Drilled out bridge plug set at 5980' in 1974. Determined Mayre member of Gallup still watered out with fresh water injected during water-flood project. Set bridge at 5960'. Believe well may have casing failure.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

SIGNED Elizabeth B. Keeshan TITLE President

DATE 9/25/90

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

(DATE)

Ken Townsend



Operator: BCO, Inc.  
135 Grant Avenue  
Santa Fe, NM 87501

SUNDRY NOTICES AND REPORTS ON WELLS

Lease No.: NM03595-A

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Do not intend to pull casing. Will set cement plugs with perforations and length of plug as designated by BLM. Will fill inside of casing between plugs with cement. Will restore surface and set dry hole marker in compliance with BLM regulations. Will reseed location in 1991.

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 11 Escrito Unit

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) 326-6201.

3. Blowout prevention equipment is required.

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

- 1) Gallup from 5980 - 5370
- 2) Mesaverde from 4040 - 3940 + 50% excess
- 3) Chaco from 2932 - 2832 inside + outside 4 1/2" casing + 100% excess
- 4) Pictured Cliffs  
Front End from 2470 - 2220 " " " " " "
- 5) Ojo Alamo from 1923 - 1730 " " " " " "
- 6) Nacimiento, Surface Casing shoe &  
Surface Plug from 300 - Surface

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  $\text{CaCl}_2$  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.