

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

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

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078959	
2. NAME OF OPERATOR BCO, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 135 Grant, Santa Fe, New Mexico 87501		7. UNIT AGREEMENT NAME Escrito Gallup	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 990 FWL and 790 FSL Sec 7 T24N R7W NMPM		8. FARM OR LEASE NAME Escrito Gallup Unit	
14. PERMIT NO.		9. WELL NO. 4 (Formerly Fed 2-7)	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) GL 7163		10. FIELD AND POOL, OR WILDCAT Escrito Gallup	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 7 T24N R7W	
		12. COUNTY OR PARISH Rio Arriba	
		13. STATE NM	

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETION	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

(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.)*

BCO, Inc. requests permission to plug subject well using the attached procedure.

The attached procedure hinges on the assumption that circulation can be established behind casing from the Mesa Verde to surface. It also assumes that the casing will have 1000 psi of integrity from 3260' to surface.

Experience in the area dictates that these are safe assumptions. If either assumption proves false then the procedure will have to be modified in the field to perforate and squeeze each of the required zones separately. BCO understands that the BLM will be able to verbally approve any required procedure modifications during the course of operations.

RECEIVED

SEP 11 1991

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

SIGNED

NEEL L. DUNCAN

DIST. 3

PETROLEUM ENGINEER

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE 16 AUGUST 91

DATE SEP 04 1991

*See Instructions on Reverse Side

PLUGGING PROCEDURE
ESCRITO GALLUP UNIT No. 4
(Formerly Federal 2-7)
Rio Arriba Co., New Mexico

General: It is proposed to plug and abandon the subject well as per BLM regulations.

Procedure

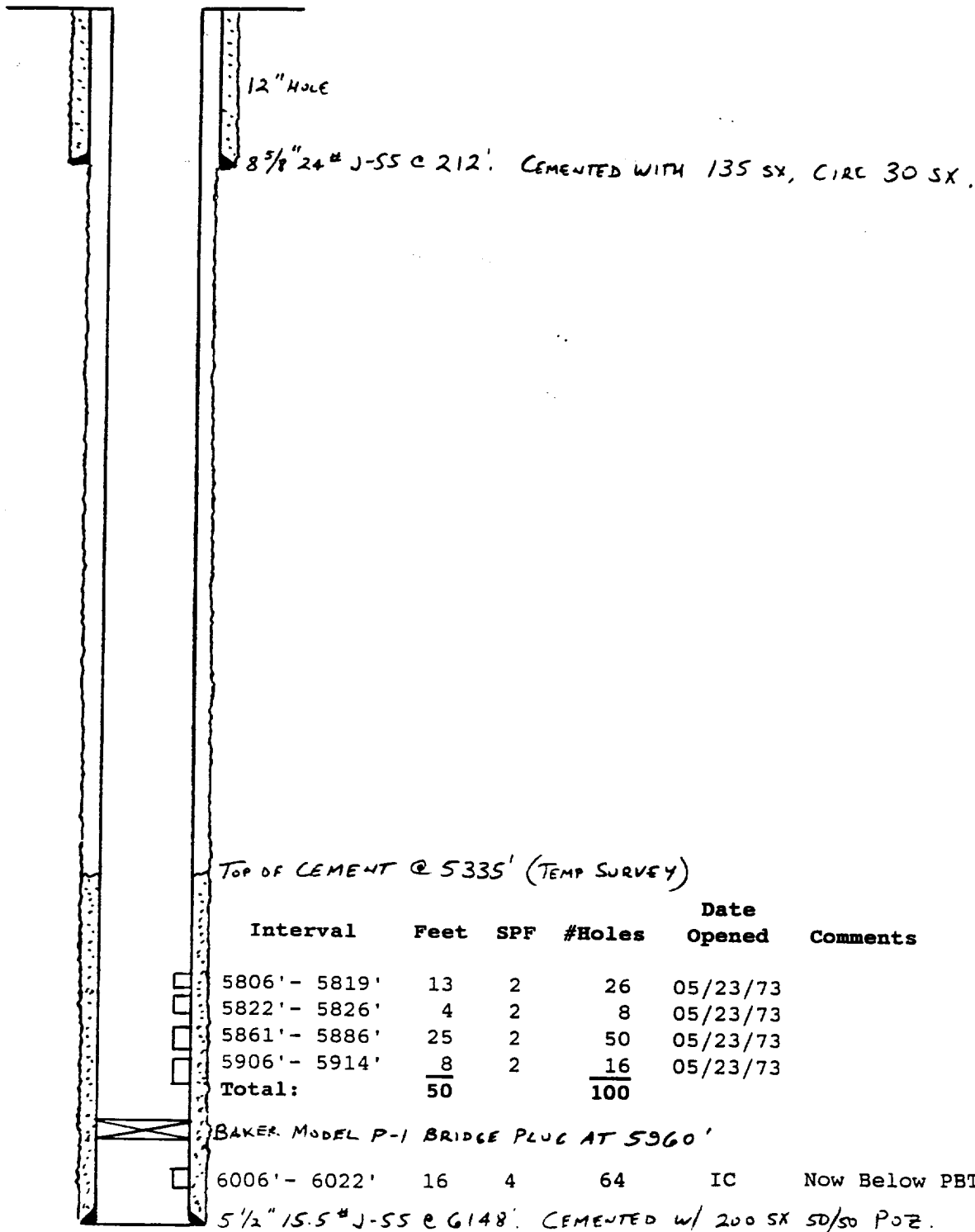
1. Rig up pulling unit. Pull rods and pump. Nipple down wellhead and nipple up blowout preventer. Release tubing anchor, tag bottom, and pull tubing. Note: If well does not have a tubing anchor, it will not be necessary to pull tubing at this time.
2. Strap in hole with 2-3/8" tubing and notched collar to 5960'.
3. Spot 133 ft³ (69 sx) of class "B" cement with 8% bentonite from 5960' to 4960'. Displace with 19 bbl water. (Cement will be at 4892' before pulling tubing.) Pull and lay down tubing to 4900' (+/-) and reverse clean. Allow 1 hr from end of pumping of first plug to the spotting of the next plug.
4. Run end of tubing to 4960' and initiate circulation. Spot 227 ft³ (118 sx) of class "B" cement with 8% bentonite and 2% calcium chloride from 4960' to 3260'. Displace with 12 bbl water. (Cement will be at 3138' before pulling tubing.) Pull and lay down tubing to 3270' (+/-) and reverse clean.
5. Pull tubing out of hole. Close rams and pressure test casing from surface to cement plug with 1000 psig for 15 minutes. Shut down for day.
6. Perforate base of the Mesa Verde at 3260' with two 16 gram charges in a 3-1/8" or 4" hollow carrier casing gun. Tag and record cement plug depth using perforating gun.
7. Open braden head and attempt to establish circulation up backside of casing from 3260' to surface. If circulation can be established, cement casing with 573 ft³ plus 75% excess for 1000 ft³ (522 sx) of class "B" cement with 8% gel and 2% CaCl₂. Displace cement with 77 bbl water.
8. Close in with pressure for 1 hr then bleed off and check for flowback.
9. Run in hole with tubing to 3260'. Spot 405 ft³ (210 sx) Class "B" cement with 8% gel from 3260' to 230'. Displace with 1.5 bbl water. (Cement will be at surface before pulling tubing.) Pull and lay down tubing.
10. Spot cement cap from 230' to surface using 27 ft³ (14 sx) class "B" cement with 8% gel and 2% CaCl₂. Pull and lay down tubing. Fill remaining 15' of casing with 2 sacks of cement and install tombstone.
11. Remove all equipment and rehabilitate location.

Escrito Gallup Unit No. 4
 (Formerly Federal 2-7)
 Escrito Gallup Pool
 Rio Arriba Co., New Mexico

Location: 790 FSL x 990 FWL (SW/4 SW/4) Sec 7 T24N R7W

Completion Date: March 1961

TD: 6154 PBTD: 5960' GL: 7163' MSL KB: 7175' MSL (12' AGL)



NL DUNCAN
 16 AUGUST 91

Escrito Gallup Unit No. 4
(Formerly Federal 2-7)
Escrito Gallup Pool
Rio Arriba Co., New Mexico

Location: 790 FSL x 990 FWL (SW/4 SW/4) Sec 7 T24N R7W

Completion Date: March 1961

TD: 6154 PBDT: 5960' GL: 7163' MSL KB: 7175' MSL (12' AGL)

PERFORATION RECORD

Interval	Feet	SPF	#Holes	Date Opened	Comments
5806'- 5819'	13	2	26	05/23/73	
5822'- 5826'	4	2	8	05/23/73	
5861'- 5886'	25	2	50	05/23/73	
5906'- 5914'	8	2	16	05/23/73	
Total:	50		100		
6006'- 6022'	16	4	64	IC	Now Below PBDT.

COMPLETION AND WORKOVER HISTORY

01/12/60 - Spudded x drilled 12" hole to 216'. Set 6 jts 8.625" 24# J-55 csg @ 212'. Cmt x 135 sx x circ 30 sx. Drilled 7.875" hole to 6154'. R IES x GR-Sonic logs. Set 193 jts 5.5" 15.5# J-55 ST&C csg @ 6148'. Cmt x 200 sx 50/50 standard/poz. R temp survey x found T/cmt @ 5335'. Test csg x 1500 psig for 15 min x OK.

Perf 6006'- 6022' x 4 JSPF x Frac x 43,000 lb 20/40 sd in 30,000 gal crude oil. AIR 36 BPM x CTP 2900 psig. ISIP 1400 psig.

Tops: OJO 1722, KRT 1952, FRT 2200, PC 2452, LEW 2534, MV 3260, MAN 4968, GUP 5686.

02/13/61 - Spot 500 gal MCA acid on perfs x swabbed 5 days.

03/27/61 - IP'd at 23 BOPD. (All load oil recovered.)

05/23/73 - Set Baker P-1 bridge plug @ 5960'. Perf 5806'- 5819', 5822'- 5826', 5861'- 5886', and 5906'- 5914' x 2 JSPF. Spearheaded frac x 250 gal 7.5% HCl x 500 gal 15% HCl x Frac x 75,000 lb 10/20 sd in 53,300 gal water. AIR 33 BPM. CTP 2050 psig.
PAWO: 20 BOPD x 5 BWPD x 30 MCFD

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: 4 Escrito Gallup 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):

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 perms-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.