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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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 [X] · GAS WELL [ ] OTHER

2. NAME OF OPERATOR
BCO, Inc.

3. ADDRESS OF OPERATOR
135 Grant, Santa Fe, New Mexico 87501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
790' FNL - 790' FEL Sec 27 T24N R7W NMPM

5. LEASE DESIGNATION AND SERIAL NO.
SF 078562

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Lybrook 7-27

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Escrito Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 27, T24N, R7W NMPM

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6939 DF

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]				
(Other) Set Plug for Abondonment			[X]	(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.)*

Request approval to set all required plugs behind 4 1/2" casing for abandonment using the attached procedure.

3 1/2" casing will then be run to T.D. and cemented to surface. Gallup will be re-perforated and fracture stimulated.

Rig is on well and cementing operations will commence on Friday, August 14th, 1992.

RECEIVED
BLM
92 AUG 14 AM 11:11
070 FARMINGTON, N.M.

AUG 1992
OIL CON. DIV.
DIST. 3

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

SIGNED _____ TITLE Petroleum Engineer DATE August 13, 1992

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AUG 17 1992
AREA MANAGER

*See Instructions on Reverse Side

NMOCD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency

WORKOVER PROCEDURE
Lybrook 7-27

This procedure provides guidance for work to be completed after fish has been recovered and well cleaned out.

We will set plugs for abandonment outside of 4-1/2" casing then run 3-1/2" casing through Gallup and cement to surface. Bradenhead will be open for all operations.

Procedure

GALLUP PLUG

1. Rig up wireline unit and run cement bond log across Gallup. Perforate for abandonment as follows with 0.39" jet shots phased 120 or 180 degrees.

2996'	2 shots
2400'	2 shots
1740'	2 shots

2. Run in hole with packer and 25 joints (790') of tailpipe.

3. Spot 39 sx (46 ft^3) class "B" from 5744' to 5234'. Top of cement before pulling out tubing will be 5178' and displacement will be 20 bbl. Packer will be at 4954' while spotting.

4. Pull packer up to 4298' (tailpipe at 5088') and reverse 25 bbl water up tubing to make sure no cement is at end of tailpipe. Set packer at 4298' and squeeze 34.5 sx into Gallup by pumping 7.25 bbl water down tubing. This will leave cement at 5680' which is 30' above top Mayre perf. (Provided Skelly does not take much fluid.)

   Note that cement is displaced past Skelly perfs. This is to maximize the amount of cement we can put in Mayre I (without spotting cement above packer) and minimize the amount of cement we must drill out. Skelly will not give us trouble with lost circulation when we cement 3-1/2" casing and we can close valve at surface when cement circulates on 3-1/2" casing to get a good squeeze on Skelly.

TEMPORARY PLUG

5. Spot 5 sx plug in casing from 3165'-3100' using Class "B" with 2% calcium chloride. Pull out of hole with packer and remove tailpipe. This will prepare us for next step while allowing time for plug to set.

MESA VERDE PLUG (2996'- 2896')

6. Set packer at 2592'. Establish injection via tubing into perfs at 2996' and cement Mesa Verde with 39 sx (46 ft^3) class "B" w/ 2% calcium chloride (yield 1.18 ft^3/sx). Wash pumps and lines then displace with 16 bbl water. Top of cement will be left at 2970'.

7. Hold squeeze for 30 minutes then release packer.

PC/FRUITLAND PLUG (2225'-1980' required, 2400'-1980' actual)

8. Set packer at 2213'. Establish injection into perf at 2400' and squeeze PC/Fruitland Coal with 162 sx (191 ft^3) class "B" with 2% calcium chloride. Wash pumps and lines then displace cement to 2380' with 11.3 bbl water. Monitor annulus carefully for communication.

9. Hold pressure for 15 minutes then release packer and reverse circulate 25 bbl to insure cement did not come around 4-1/2" casing and get above packer. Reset packer and apply squeeze pressure for additional 15 minutes.

OJO ALAMO PLUG (1740'- 1460')

10. Pull packer to 663' and set. Establish injection into Ojo Alamo perfs at 1740'. Cement Ojo Alamo with 108 sx (127 ft^3) class "B" with 2% calcium chloride. Displace cement to 1700' with 19.4 bbl water. Hold squeeze for 1 hour.

SURFACE PLUG (600' to surface)

11. Pull packer out of hole. Pump down casing and establish circulation with bradenhead through hole at 600-632'. Cement from 600' to surface with 152 sx (179 ft^3) class "B" w/ 2% calcium chloride and 1/2 lb/sx flocele. Wash pumps and lines and displace with 9.75 bbl water.

12. Shut in well overnight.

DRILLING OUT AND RUNNING CASING

13. Run in hole with bit, scraper, and 7 drill collars. Drill out cement plugs to PBTD. Carefully record all cement intervals.

14. Lay down 2-3/8" tubing and prepare to run 3-1/2" casing.

***** to be continued *****