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

5. LEASE DESIGNATION AND SERIAL NO.: NM-6682

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: BCO, Inc.

8. FARM OR LEASE NAME: Federal "B"

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

9. WELL NO.: 2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1830' FNL - 1840' FEL Sec 34 T23N R7W

10. FIELD AND POOL, OR WILDCAT: Alamito Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 34 T23N R7W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR: 6936

12. COUNTY OR PARISH: Sandoval

13. STATE: New Mexico

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	X	CHANGE PLANS		(Other)			
(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.)*

Propose to repair subject well by cementing a 2 7/8" liner inside existing 4 1/2" casing from 4150' to surface as per the attached work procedure. Verbal permission to proceed was granted by Steven Mason of BLM on October 14, 1992 to Robert Ramirez, subject to our submittal of the attached details.

RECEIVED
OCT 22 1992
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
92 OCT 15 AM 11:37
FARMINGTON, N.M.

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

SIGNED _____ TITLE Petroleum Engineer DATE October 15, 1992

(This space for Federal or State office use)

APPROVED

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OCT 19 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 of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Proposed Workover Procedure
Federal "B" No. 2
1830' FNL x 1840' FEL Sec 34 T23N R7W

General

4.5" casing is parted at ±325'. Propose to run and cement a 2-7/8" liner from 4150' to surface.

HLB Memo to File dated October 13, 1992 has been provided to BLM and provides history of work and analysis to date.

Procedure

1. Cover Gallup perforations with 300 gal 20/40 sand. (Top of sand at 4855').

2. Run 2-7/8" tubing and land between 4150' and 4200'. Set in slips and establish conventional circulation. 4-1/2" x 8-5/8" braden head valve is open for all operations.

3. Cement 2-7/8" x 4-1/2" annulus from bottom to top via conventional circulation using 200 sx 65/35 poz with 6% gel (454 ft^3) mixed at 12.4 lb/gal to yield 1.814 cubic feet per sack. Tail in with 50 sx Class "B" w/ 2% $CaCl_2$ mixed at 15.6 lb/gal to yield 1.18 cubic feet per sack. Cementing rate should be about 3 bbl/minute.

4. When cement circulates, close valve on 4-1/2" x 2-7/8" annulus to squeeze approximately 240 cubic feet of cement into 4-1/2" casing part at 325'. When cement runs out, wash pumps and lines and displace 2-7/8" tubing with 24 bbl water. (Actual displacement volume may vary depending upon where 2-7/8" is landed.)

5. Leave valve on 2-7/8" valve closed for approximately 1 hr after cementing, then release pressure and check for flowback. Start in with bit and 1.5" tubing as soon as tail slurry is firm enough to prevent flowback.

6. Drill out cement and reverse sand out of well. Clean out to 5303'.

7. Land 1.5" tubing and set tubing slips. Swab well in and return to production.