

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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MAY 18 1994

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

BCO, INC.

3. Address and Telephone No.

135 GRANT, SANTA FE, NM 87501 505 983-1228

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2035' FNL & 950' FEL, NMPM

SE/4 NE/4 (H)

S21-T23N-R7W

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OIL CON. DIV.  
DIST. 3

5. Lease Designation and Serial No.

NM-6682

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

FEDERAL B #20

9. API Well No.

30-043-20919

10. Field and Pool, or Exploratory Area

LYBROOK GALLUP

11. County or Parish, State

SANDOVAL, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Complete & place in production

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

3/15/94.

Schlumberger ran cased hole gamma ray log from TD to surface. Cased hole compensated Neutron and CBL were run over selected intervals. Schlumberger provided copies to Oil Conservation Division & Bureau of Land Management. Loggers TD is 5914'.

4/6/94.

Cementers, Inc. pressure tested 4 1/2" long-string casing at 4000 pounds for 30 minutes. Casing held pressure.

Continued on following page.

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

Signed Elizabeth B. Keeshan Title President

Date May 13, 1994

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

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.

NMOCD

\*See instruction on Reverse Side

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

**SUNDRY NOTICE & REPORTS ON WELLS**

**PAGE TWO**

**FEDERAL B #20**

4/20/94 Schlumberger perforated with one 0.39" select fire shot at 5654, 5658, 5662, 5778, 5784, 5788, 5858 and 5870.

5/05/94 Rigged up completion rig.

5/06/94 Went in hole with Halliburton Straddle Packer and 2 3/8" tubing, pickled tubing and casing with 500 gallons of 10 percent FE-HCL, spotted 1000 gallons of 10% FE-HCL acid down the tubing and displaced with 2% Clayfix II water. The perforations were individually isolated and broken down with 3 barrels of acid followed by 3 to 6 barrels of 2% Clayfix II water. The tubing and packer were tripped from the well prior to the frac.

5/09/94 Rigged up Halliburton to frac. Treated 56,880 gallons of water with 101 gallons of Clayfix II, 410 gallons of LGC-V, 267 gallons of AQF-2, 55 gallons of Losurf 300, 15 pounds of BE-6, 2 pounds of GBW-3, 20 gallons BA-20, 80 pounds of SP Breaker, and 44 gallons of Scalecheck LP-55. Sand-water foam frack (70 quality N2 Foam) 5654' to 5870' with 189,568 gallons of foam, 362,600 pounds of 16/30 Brady Sand and 3,383,635 standard cubic feet of Nitrogen. The average treating pressure was 3,400 PSIG at 31 foam barrels per minute. ISIP was 2600 PSIG, 2228 PSIG at 5 minutes, 2204 PSIG at 10 minutes and 2181 PSIG at 15 minutes. The well was opened on a 1/2" positive choke.

5/10/94 Killed well, went in with tubing to clean sand to PBTD at 5914'. Land 2 3/8", 4.7#, J-55 tubing at 5868'. Kicked well off with 84,900 standard cubic feet of Nitrogen and placed well in production to test tank to clean up.

5/13/94 Determined initial potential of well to be 80 BOPD, 15 BWPD, 300 MCF/DAY.

TUBING PRESSURE = 320 PSIG  
CASING PRESSURE = 730 PSIG  
CHOKE = (25/64)"