

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-5454

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal F

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Nageezi Gallup

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

8-23N-8W NMPM

12. COUNTY OR PARISH 13. STATE

San Juan

NM

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 ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

BCO, Inc.

3. ADDRESS OF OPERATOR

135 Grant Avenue, 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

1960' FEL 2080' FSL Sec 8 T23N R8W NMPM

14. PERMIT NO.

15. ELEVATIONS (Show whether DT, RT, GR, etc.)

GR 6857

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

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 COMPLETE

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.)*

- 9-23-86 Welex ran cement acoustic bond log - - from 5235' to 3850'. Determined 4536' was top of first stage cement. In 1983 had cement squeezed; hole in casing at 3657 to 3672 with 500 sacks. Log established cement behind pipe to top of initial cement of long string. Log broke and was unable to log top of cement. Welex operator stated that on going in hole, had noted cement bond at 2900 feet the approximate fluid level. Set Welex cement retainer at 5168' so could isolate three higher zones for frac.
- 9-24-86 Used Baker straddle packer to verify that perforations were open in zones we planned to frac. Tested and found perforations at 5139 to 5142, 5129 to 5132 and 5068 to 5082 were open.
- 9-25-86 Came out of hole with straddle packer and tubing.
- 9-29-86 Went in hole with 2 7/8" tubing and packer. Set packer at 3733.
- 9-30-86 Treated 48,000 gallons of water with 50 gallons LP55 scalecheck, 8400 #s KCL, 90 gallons of 3-M, 950 #s of WG-11, 150 #s of HYG-3, and 400 #s of K-34. On the fly mixed 195 gallons Tri-S foamer and 40 #s GBW-3 breaker. Sand water foam fraced (70%) 5068-5142 with 120,000 gallons of foam, 152,000 #s 20-40 sand and 2,220,500 standard cubic feet of nitrogen. Average treating pressure 4400 #s at 26 foam barrels per minute. ISIP 1780 #s, 5 minutes 1700 #s, 10 minutes 1660 #s, 15 minutes 1650 #s.

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

SIGNED Elizabeth B. Keeshan TITLE Comptroller

ACCEPTED FOR RECORD October 8, 1986

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE OCT 10 1986

FARMINGTON RESOURCE AREA

BY Sm

*See Instructions on Reverse Side

NMOCC

SUNDRY NOTICES AND REPORTS ON WELLS

Name of Operator: BCO, Inc.
135 Grant
Santa Fe, NM 87501
Lease No.: NM-5454
Lease Name: Federal F
Well No.: 1
Sec. 8, T23N, R8W, NMPM

- 10-1-86 Obtained oral permission from Steve Mason of BLM to leave cement retainer at 5168'. Study indicates that much of the water the well produces comes from zones below 5168'. Study also indicates no oil is produced from the lower perforations. The perforations below the cement retainer are: 5175-5178, 5185-5188, 5203-5210 with one shot per foot. Came out of the hole with 2 7/8" tubing and packer. Went in hole with 2 3/8" tubing. Tagged sand at 5144'. Cleaned out to 5168'. Landed well at 5110'. Put well to flow on 21/64 choke.
- 10/3/86 Well logged off. Came out with tubing. Went in with tubing anchor and tubing. Landed well at 5140'. Set tubing anchor. Ran rods and pump. Put well back in production.