

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-6681

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal C

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Alamito Gallup

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

Section 31. T23N. R7W.

12. COUNTY OR PARISH

Sandoval

13. STATE

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 formation.
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

2310' FSL. 790' FEL. Section 31. T23N R7W.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, ET, GR, etc.)

GR 6891

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.)*

April 29, 1987 Used Baker removable bridge plug and packer to test perforations made 2/26/72.

April 30, 1987 Had Halliburton run and wash perforations with 15% double inhibited HCL acid. Then injected acid as follows: 5075-5078: Pumped in and broke from 1500 PSI to 1450. Pumped in at .6 bbls. per minute. ISIP 700. 5055 to 5057: Pumped in at 1.1 barrels a minute at 1300 PSI. ISIP zero. 5044 to 5048: Pumped in at 1.2 barrels a minute at 1050 PSI. ISIP 550. 4990 to 4995: Pumped in at 1.6 barrels a minute at 950 PSI. ISIP 450. 4932 to 4936: Pumped in at 3 barrels a minute at 1050 PSI. ISIP zero. 4911 to 4918: Pumped in at 2.2 barrels a minute at 1150 PSI. ISIP 425. 4800-4804: Could not pump in at 2000 PSI. Used a total of 500 gallons acid for run, wash and attempted breakdown.

May 1, 1987 Perforated with one 3 1/8" .32" select fire shot at 4992', 4990', 4916', 4914', 4804', 4803', 4802', 4801', 4800', 4799'. Isolated perforations and broke down with acid. 4990 to 4995: Pumped 300 gallons 15% double inhibited HCL acid and 6 barrels 2% KCL water at 3.9 barrels per minute at 1330 PSI. ISIP 700. 4911 to 4918: Pumped 300 gallons HCL acid and 6 barrels KCL water at 4.0 barrels per minute at 1350 PSI. ISIP 630. 4800-4804: Pumped 300 gallons HCL acid and 6 barrels of KCL water. Rate started at .3 barrels per minute at 1230 PSI and increased to 4 barrels per minute at 1520 PSI.

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

SIGNED Elizabeth B. Kushan TITLE Comptroller

(This space for Federal or State office use)

DATE May 19, 1987

ACCEPTED FOR RECORD

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

MAY 26 1987

DATE 20 1987

OIL CON. BY SM FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

NMOCC

CONTINUED

Page 2

SUNDRY NOTICE

Lease No. NM-6681

Federal C

#2

Sec. 31, T23N, R7W

Sandoval, NM

May 2, 1987 Set Removable Bridge Plug at 5068'. Came out of hole with packer and 2 3/8" tubing. Went back in hole with Baker straddle packer modified to pump through straddle packer and 2 7/8" tubing. Set top packer at 4900' bottom packer at 4963'.

May 4, 1987 Spotted acid between packers. Treated 15,500 gallons of water with 70 gallons TRI-S, 35 gallons of 3N, 2800 lbs of KCL, 15 gallons LP55 scale-check, 300 lbs WG-11, 40 lbs, HYG-3, 40 lbs K-35, and 13 lbs GBW-S. Sand water foam fraced 4990'-5057' with 42,500 gallons of 70% foam, 55,000 lbs. 20/40 sand, 685,370 standard cubic feet of nitrogen. Average treating pressure 5200 lbs at 20 foam bbls. per minute. ISIP 2900, 5 min. 1910; 10 min. 1890; 15 min. 1850.

May 5, 1987 Reset Removable Bridge Plug at 4980. Straddled perfs at 4799 to 4804. Treated 30,000 gallons of water with 130 gallons TRI-S, 60 gallons of 3N, 5,600 lbs. of KCL, 30 gallons LP55 scalecheck, 600 lbs. WG-11, 78 lbs. HYG-3, 78 lbs. K-35 and 25 lbs. GBW-3. Sand water foam fraced 4911'-4953' with 82,000 gallons of 70% foam, 106,500 lbs. of 20/40 sand. Average treating pressure 4200 lbs. at 20 foam bbls. per minute. ISIP 2250, 5 min. 2010; 10 min. 1960; 15 min. 1960.

May 6, 1987 Moved removable bridge plug to 4860'. Set top of modified straddle packer at 4358 and bottom at 4421. Treated 16,000 gallons of water with 68 gallons TRI-S, 31 gallons of 3N, 2800 lbs. of KCL, 16 gallons LP 55 scale-check, 300 lbs. WG-11, 300 lbs. HYG-3, 40 lbs. K-35 and 14 lbs. GBW-3. Sand water foam fraced 4799'-4804' with 51,500 pounds of 20/40 sand, 697,584 standard cubic feet of nitrogen. Average treating pressure 4300 lbs. at 20 foam bbls. per minute. ISIP 2250, 5 min. 1830; 10 min. 1810; 15 min. 1800.

May 7, 1987 Release packers. Could not get on bridge plug. Lay down 2 7/8" tubing. Trip in hole with short-catch retrieving head and 2 3/8" tubing. Could not catch bridge plug.

May 8, 1987 Caught bridge plug with overshot. Landed tubing at 4990'. Swabbed.

May 9, 1987 Swabbed well until it started flowing.

May 11, 1987 Well flowing. Dropped piston. Will continue to clean up well by producing.