

(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Survey 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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. NM-16586
2. NAME OF OPERATOR BCO, Inc.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 135 Grant Santa Fe, New Mexico 87501	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1850' FSL - 990' FEL . Sec 33 T23N R7W .	8. FARM OR LEASE NAME Federal I
14. PERMIT NO.	9. WELL NO. 2
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6866' GR .	10. FIELD AND POOL, OR WILDCAT Alamito Gallup
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 33 T23N R7W
	12. COUNTY OR PARISH Sandoval
	13. STATE New Mexico

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.)*

8/30/91
to 9/10/91

Repaired leaks in 4 1/2" casing as per the attached report of operations.

RECEIVED
SEP 25 1991
U.S. GEO. SURV.
DIST. 2

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

SIGNED

TITLE

Petroleum Engineer

DATE 9/16/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMOCD

Title 18 USC Sec. 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a false statement.

BCO, Incorporated
Federal "I" No. 2
Alamito Gallup Pool
1850 FSL x 990 FEL Sec 33 T23N R7W
Lease No.: NM-16586

Report of Operations
Repair Casing Leaks

- 08/30/91 - Rigged up Bayless Rig #6. Tagged bottom at 5131'. Set bridge plug at 4795' and tested without success. Moved plug to 4799' and again tested without success. Pulled tubing and found hole in 1st joint above packer.
- 09/03/91 - Ran packer and tested bridge plug to 2000 psig. Located casing leak #1 at 1158' to 1187'. Pumped in at 1 BPM with 1100 psig. Located casing leak #2 at 429'- 460'. Through leak at 429'- 460' could pump down tubing and circulate out bradenhead valve at 0.75 BPM and 1100 psi. Could pump down bradenhead and circulate up tubing at 0.75 BPM and 150 psi.
- 09/04/91 - Moved bridge plug to 2016' and tested to 2000 psig. Capped with 10 gal of sand. Set cement retainer at 1128'. Established 1.4 BPM at 1300 psig through retainer into leak #1 at 1158'- 1187'. Mixed and pumped 150 sx class "B" w/ 2% CaCl₂ into leak at 1.1 BPM and 1100 psig. Walked squeeze to 2000 psig.
- Obtained approval from Wayne Townsend, BLM to cement down bradenhead. Set tension packer at 412'. Pumped down tubing and established circulation with 50% returns out bradenhead at 0.4 BPM with 2300-2500 psig. Pumped down bradenhead at 8 BPM with 500 psig and returns up tubing diminished to 5%. Moved packer to 228'. Pressurized tubing-casing annulus to 600 psig and installed gauge. Pumped 100 sx class "B" w/ 2% CaCl₂ down bradenhead at 2.5 BPM and 300 psig. Had 10-15% returns up tubing. Final bradenhead pressure 100 psig after pumping, with no pressure loss. Pumped 50 sx class "B" w/ 2% CaCl₂ down tubing at 0.9 BPM and 1700 psig. Walked squeeze to 650 psig static pressure in 15 minutes. Final bradenhead pressure 500 psig after pumping cement. Shut in 1.5 hrs.
- Pulled packer and ran bit. Drilled hard cement from 339' to 413' and shut down for night.
- 09/05/91 - Drilled cement from 413' to 443' in 1 hr and fell through. Tagged cement above cement retainer at 1095' and drilled to cement retainer at 1128' in 1 hr. Drilled retainer and cement to 1140'.
- 09/06/91 - Drilled from 1140'- 1154'.
- 09/09/91 - Drilled from 1154'-1190' and fell through cement. Tested casing to 750 psig. Lost 25 psi in 15 minutes. (Had slight leaks at wellhead adapter flange.) Landed tubing at 5133' and swabbed. Rig operator failed to use caution and pulled swab bars into lubricator at high speed.
- 09/10/91 - Tripped tubing for lost swab bars. Landed tubing at 5133' and kicked well off with swabbing. Returned to production.