

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 6682

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"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR BCO, INC.	8. FARM OR LEASE NAME Federal B
3. ADDRESS OF OPERATOR 135 Grant, Santa Fe, NM 87501	9. WELL NO. 9
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2020 FNL 900 FWL Sec 22 T23N R7W NMPM	10. FIELD AND POOL, OR WILDCAT Lybrook Gallup Ext
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 22, T23N, R7W, NMPM
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7410' GL	12. COUNTY OR PARISH Sandoval
	13. STATE NM

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 COMPLETION

ABANDON*

CHANGE PLANE

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.)*

5/17/90 Moved rig to location.

5/18/90 Picked up tubing to drill out cement. Tagged cement above DV tool at 4788'. Drilled cement. Tagged DV tool at 4960'. Drilled DV tool. Tagged cement at 5882 which is PBTD. Rolled hole with KCL. Came out of hole with tubing.

5/21/90 Halliburton Logging Services logged cement from TD to 5450, 5150 to 4330, 4100 to 3700, 3250 to 3050. Halliburton Logging Services will mail two copies of the Cement Bond Log to the BLM and one copy to the OCD. Attempted to pressure test at 2500#. At 2000# pressure broke to 1000#. Able to pump into hole in casing at 1400#. Notified Steve Mason of BLM that had casing failure during casing integrity test. Used packers to locate hole in casing from 2450 - 2470.

RECEIVED

JUN 29 1990

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

SIGNED Elizabeth B. Keeshan TITLE DIST. 3 Resident

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD
DATE 6/4/90

JUN 25 1990

FARMINGTON RESOURCE AREA

BY 266

NMOCD

*See Instructions on Reverse Side

- 5/22/90 Used straddle packers set 4' apart with collar locator. Located collar at 2466'. Set ^{top} packer at 2464 and tested casing to bottom of hole. (Standing valve not dropped) Casing held. Raised tools 3' so top packer at 2461'. Tested casing from 2461' to TD. Casing held. Dropped standing valve. Moved tools up hole one foot at a time until had defective casing isolated between 2455 and 2461. Came out with straddle packers. Went in with RTTS packer which set at 2011. Put 1000# on back side. Cemented with 250 sacks Class B cement mixed with 2% CaCl₂. Mixed at 15.6# with a yield of 1.18 per cubic foot or 295 cubic feet. Cement pumped at 2.0 BPM at 1050 PSI. Average squeeze pressure 1250 PSI.
- 5/23/90 Tagged cement at 2061. Drilled good cement to 2485 where fell through. Rolled hole with KCL water. Came out of hole. Tested casing at 1010 PSI. Casing held.
- 5/24/90 Went in hole with packers. Set packers at 2477 which is below squeeze. Pumped down tubing at 3600# to test casing below squeeze and casing held. Raised packers and set at 2414 which is above squeeze. Pumped down casing at 2500# to test casing above squeeze. Casing held. Came out of hole with packers. Perforated with one 3 1/8" 0.32" select fire shot at 5854', 5834', 5819' and 5752'. Perforated with one 3 1/8" 0.39" select fire shot at 5736', 5732' and 5624'. Started in hole with tubing and straddle packers.
- 5/25/90 Broke down each perforation with 1000 gallon 7 1/2% FEHCL. Started swabbing.
- 5/28/90 Swabbed.
- 5/29/90 Swabbed. Came out of hole with tubing and packers. Went in with Halliburton frac sleeve. Set frac sleeve from 2423 - 2478. Came out of hole with 2 3/8" tubing.
- 5/30/90 Treated 7200 gallons of water with 36 gallons AQF-2, 14 gallons of 3-N, 100 gallons of Clay-Fix II, 7 gallons LP-55 scalecheck, 85 gallons LGC-5. Started pad to sand water foam frac 5624 - 5854. Pumped 10,400 gallons of foam and 167,000 SCF of nitrogen. Got up to 3400 pounds on pad. Pressure broke from 3400 to 780. ISIP 689. 1 min 685. Set bridge plug at 2423. Used packers to locate hole.
- 5/31/90 Located split joint with tension packer with top of split between 357 and 365. Bottom of split between 392 and 397. Located collars at 356, 399, 441. Received permission from Steve Mason of the BLM at 1:55 pm to squeeze. Mixed 280 sacks Class B cement with 2% CaCl₂ and CFR-2 at 16.4# with a yield of 1.06 or 297 cubic feet (about 53 Bbls slurry). Planned to pump 400 sacks but compressor on cement truck blew up. Squeezed at 1 barrel a minute at 1200#'s. After displacement, held well.

- 6/1/90 Tagged cement plug at 277'. Drilled good cement to 397'.
- 6/4/90 Prepared to test cement. Began pumping in at about 650 - 700#. Received permission from Wayne Townsend to squeeze. Mixed 300 sacks Class B cement with 2% CaCl_2 and 0.8% Halad 322 at 16.4#'s with a yield of 1.06 or 318 cubic feet. Squeezed at 1 bbl per minute at 1400#.