

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget 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"/>		RECEIVED BLM 91 JUN 13 P 7 1991	7. LEASE DESIGNATION AND SERIAL NO. SF-078272
2. NAME OF OPERATOR BCO, Inc.		019 FARMING	8. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 135 Grant, Santa Fe, NM 87501			9. AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements. See also space 17 below.) At surface 2280 FSL and 780 FEL		RECEIVED JUN 27 1991 OIL CON. DIV DIST. 3	10. FIELD OR LEASE NAME Dunn
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GR) GL 6978'	11. WELL NO. 3-Y
			12. FIELD AND POOL, OR WILDCAT Undes. Graneros
			13. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3, T23N R7W NMPM
			14. COUNTY OR PARISH Rio Arriba
			15. STATE NM

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input checked="" type="checkbox"/>	Complete & place in production	xx

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

16. 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.)

4/23/91 Rigged up on location. Picked up bit, scraper and 2 3/8" tubing. Started in hole.

4/24/91 Drilled out cement stage tool. Tagged cement above float collar. Bit quit drilling. Came out of hole. Had lost cone on bit.

4/25/91 Went in hole with mill. Milled out junk, float collar and 42' of cement in shoe joint.

4/26/91 Rolled hole with water mixed with 2% ClayFix II. Petro Wireline ran Gamma Ray Cement Bond Log, and Cased Hole Compensated Neutron Log. Petro Wireline will provide two copies of log to BLM and one to OCD. PBTD determined to be 6482'. Cement slurry had not been seen to circulate off DV tool at time of long-string cement job. According to bond log top of cement is at stage tool. Circulated 100 barrels of slurry to pit during second stage cement job so know top of cement is at surface. Ran 2 3/8" tubing in hole. Rigged down.

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

SIGNED Elizabeth B. Keeshan TITLE President.

DATE 6/12/91

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

Operator: BCO, Inc.

ACCEPTED FOR RECORD

DATE

JUN 26 1991

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

BY g-017

135 Grant Avenue
Santa Fe, NM 87501

SUNDRY NOTICES AND REPORTS ON WELLS

Lease No.: SF 078272

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- 5/11/91 Road rig to location.
- 5/13/91 Rigged up. Tripped out of hole with tubing.
- 5/14/91 Pressure tested 4 1/2" casing to 5600#. Casing held. Perforated 4 1/2" casing with 3 1/8" select fire gun with one 0.32" perforation at 6476.25, 6400, 6396, 6392, 6340, 6338, 6309, 6307, 6304, 6302, 6300. Tripped in hole with straddle packer. Spotted 500 gallons 7 1/2% FE HCL and broke down all perforations.
- 5/15/91 Came out of hole with tubing. Treated 92037 gallons of water with 369 gallons FDP-S437, 200 gallons of Clay-Fix II, 110 gallons of LP-55 scalecheck, 625 gallons LGC-V, 24# BE-5, 3 gallons GBW-3, 28 gallons BA-40L. Boragel fracked 6300 to 6476.25 (Graneros: 6300 - 6400, Dakota 6476.25) with 198,000# 20-40 Brady sand. Average treating pressure 2605 psi at 18 barrels a minute. ISIP 2600, 5 minutes, 2389, 10 minutes, 2050, 15 minutes, 1978. Open well to reserve pit. When pressure reduced sufficiently, flowed first to rig pit and then to frac tank.
- 5/16/91 Well dead. Tripped in hole with tubing. Tagged sand at 6339. Circulated hole clean to bottom. Began swabbing.
- 5/17-21 Swabbed well to recover frac fluid and kick well off. Called Wayne Townsend of BLM at 8:45 a.m. 5/21/91. Informed him we suspected perf at 6476.25 (only Dakota perf) was making water. Received permission to set drillable cement retainer above perf and swab through stinger. If determine Dakota is wet, will leave retainer. Will be required to set 50' of cement above retainer when permanently abandon Graneros. Set cement retainer at 6458. Determined 6476.25 was making water. Have abandoned perforation in accordance with Wayne Townsend's instructions. Still have obligation to place 50' of cement on top of plug when abandon Graneros.
- 5/22-29 Continued to swab Graneros perforations.

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- 5/30/91 Set wireline bridge plug at 5586 to isolate Graneros in order to complete Gallup. Dropped 5 gallons sand to protect plug. Perforated with one 0.32" hole at 5348, 5354, 5360, 5468, 5471, 5478, 5481, 5516, 5532 and 5538. Tripped in hole with packer.
- 5/31/91 Spotted 500 gallons 7 1/2% FE HCL. Broke down each perforation.
- 6/5/91 Treated 60,008 gallons of water with 285 gallons AQF-2, 118 gallons of 3N, 123 gallons of Clay-Fix II, 63 gallons LP55 scalecheck, 494 gallons LGC-V, 24 pounds BE-5 and 83 pounds GBW-3, 16 gallons BA-20 and 23 pounds Optiflo-AP.
- Sand water foam fracked (70%) 5348' - 5538' with 174,000 gallons of foam, 372,000 lbs, 16/30 sand, 3,415,450 standard cubic feet of nitrogen.
- Average treating pressure 3100 lbs at 27 foam bbls per minute. ISIP 1366, 5 min. 1219, 10 min. 1195, 15 min. 1180.
- 6/6/91 Well flowing to production tank. Killed well. Went in with retrieving tool. Cleaned out sand and came out with bridge plug. Tripped in hole with 2 3/8" tubing and landed at 6377'. Swabbed well.
- 6/7/91 Swabbed well in. Well died. Kicked well off with 37,400 scf of nitrogen. Left well flowing to frac tank.
- 6/8/91 Well flowing to tank. Swabbed.
- 6/10/91 Swabbed.
- 6/11/91 Potentialled Graneros with 9 barrels of oil, 3 barrels water, 18 MCF gas. Potentialled Gallup with 26 barrels oil, 10 water, 104 MCF gas. Swabbed as needed to keep well operating. Placed in production to clean up.