

(November 1983)
(Formerly 9-331)

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

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-6682
2. NAME OF OPERATOR BCO, Inc.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 135 Grant Avenue, 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 1830' FNL - 1840' FEL Sec 34 T23N R7W	8. FARM OR LEASE NAME Federal "B"
14. PERMIT NO.	9. WELL NO. 2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR: 6936	10. FIELD AND POOL, OR WILDCAT Alamito Gallup
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 34 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	<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) Set & Cement Liner	<input checked="" type="checkbox"/>		

(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.)

Repaired 4 1/2" casing by setting and cementing a 2 7/8" 6.4 lb/ft J-55 EUE Liner from 4186' to surface as per the attached work detail and cementer's log.

RECEIVED
NOV 6 1992
OIL CON. DIV
DIST. 3

RECEIVED
BLM
NOV -2 AMH:10
019 FARMINGTON, N.M.

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

SIGNED Elizabeth B. Keesha TITLE President

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

DATE October 30, 1992

ACCEPTED FOR RECORD

DATE NOV 03 1992

FARMINGTON RESOURCE AREA

BY MT

*See Instructions on Reverse Side

NMOCD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

REPORT OF OPERATIONS
CASING REPAIR/ALTERATION
Federal "B" No. 2
1830' FNL x 1840' FEL Sec 34 T23N R7W

Well Problem: Casing Leak

Remedial Action: Set and cement 2-7/8" liner inside 4-1/2" casing from 4186' to surface.

- 09/29/92 - Rigged up Tripple "P" Well Service. Pulled pump and 2-3/8" tubing. Bottom was tagged at 5372' KB.
- 10/01/92 - Attempted to run bridge plug to isolate and squeeze casing leak. Could not get bridge plug through Homco Steel Liner™ casing patch at 327'. Elected to mill out casing patch. Ran in hole with flat bottom mill. Milled 3 hrs and shut down for night.
- 10/02/92 - Milled casing patch from 327' to 337' (entire length of patch). Mill fell through but became stuck at 338.5'.
- 10/06/92 - Backed off 1 drill collar above mill. Ran in hole with jars and drill collars and worked mill upward 6". Pulled out of bit sub leaving bit sub and mill in hole. Ran 3-7/8" Super Mill and washpipe. Prepared to mill over stuck mill and bit sub.
- 10/07/92 - Milled 4.5' with first mill. Pulled and found worn. Picked up new mill and milled additional 1.5' (but found new mill 1.5' shorter when pulled out of hole so no progress was made!).
- 10/08/92 - Ran new mill and tagged 5' higher than before. Milled 3 hrs and got back to where we were milling before then made no progress. Gave up on mill. Ran in hole with tubing and screwed into bit sub. Pulled to 55,000 lb and recovered stuck mill.
- 10/09/92 - Ran 3-3/8" impression block and imprint indicated parted casing at 325-330'. Ran in hole with mirror and light and parted casing was clearly visible. Attempted to go through parted casing with 1" tubing but could not get through.
- 10/13/92 - Ran 3-1/4" tapered mill and drill collars. Milled through parted casing. Pushed metal to 5302' but could not push to bottom. Secured BLM approval to run and cement 2-7/8" liner.
- 10/15/92 - Ran in hole with 2-3/8" tubing. Pushed bridge from 5302' to 5309'. Layed down tubing and rods. Dropped 50 sx 20/40 sand in hole to cover perms in preparation for cementing 2-7/8" liner.
- 10/16/92 - Ran in hole with 2-7/8" 6.4 lb/ft J-55 EUE tubing and landed at 4186' KB (129 joints). Prepared for cementing.

10/19/92 - Rigged up Halliburton Services. Established circulation down 2-7/8" tubing and up 4-1/2" x 2-7/8" annulus at 3.5 BPM. Mixed and pumped 200 sx (454 ft³) 65/35 poz w/ 6% gel at 12.4 lb/gal and tailed in with 50 sx class "B" w/ 2% CaCl₂ at 15.6 lb/gal. When cement circulated, closed valve on annulus and squeezed 9 bbl cement into casing part. (Had intended to squeeze 43 bbl into parted casing but Halliburton cementer lost control of mixing situation and wasted 34 bbl of cement.)

Displaced and held 1400 psig on liner for 2 hrs. Released pressure, ran in hole with 1.5" tubing and bit. Tagged cement at 4140' and drilled out until falling through at 4195'. Tagged sand level at 4926'.

Cleaned out sand to 5000' and shut down for night.

10/20/92 - Continued cleaning out sand to 5309'. Pulled bit. Ran notched collar and seating nipple on 153 jts 1.5" tubing and landed at 5213'.

10/21/92 - Swabbed well and returned to production.

10/23/92 - Kicked well off flowing. Produced 6.17 bbl 100% water.

JOB LOG

FORM 2013 R-2

CL OMER

BCO

TICKET NO. 20000

PAGE NO. 1

JOB TYPE

Squeeze hole in log.

DATE

Oct 19, 1992

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	07:15							ON LOC. - 3 day meeting
	07:20							get rig up equip.
	07:30							equip. rigged up.
	08:50	1.5				170		BREAK CIRCULATION
	09:03	5.0	4.0			920		Circulation good - shut down mix lead
	09:11	5.2				730		cont. @ 12.7 gpm
	09:29	5.2	15.5			1100		start lead cont.
								lead cont. in (20000) - start tail cont
	09:31	3.0	6.70			1020		@ 15.6 gpm
	09:43		10.5					cont. to SURFACE
								Tail cont. in (30000) shut down wash
	09:46	1.5				560		dump 25 # lines
	10:30		24.0			1000	500	start disp.
	10:40					1400		Disp in (close valve - 7 BBL in formation)
	11:00							wash up rem
	11:10							rem washed up - rack up equip
								Equip Racked up - on loc.

Thanks, Curt Clow