

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(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"/>		5. LEASE DESIGNATION AND SERIAL NO. SF 078563
2. NAME OF OPERATOR BCO, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 135 Grant, Santa Fe, NM 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 990 FNL 850 FEL Sec 23 T24N R7W NMPM		8. FARM OR LEASE NAME Byrd
14. PERMIT NO.		9. WELL NO. 1-12
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6733 GR		10. FIELD AND POOL, OR WILDCAT Devils Fork Gallup
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 23 T24N R7W NMPM
		12. COUNTY OR PARISH Rio Arriba
		13. STATE New Mexico

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input 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.) \*

Squeezed casing leak as per attached workover report.

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

SIGNED [Signature] TITLE Petroleum Engineer DATE July 22, 1992

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE [Signature] DATE 28 1992

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON RESOURCE AREA  
BY [Signature]

\*See Instructions on Reverse Side

NM000

ATTACHMENT TO SUNDRY NOTICE

Casing Repair Work  
Byrd No. 1-23  
Devil's Fork Gallup

- 07/13/92 - MIRU Big "A" Well Service Rig #11. Found tubing stuck. Calculated free point near bottom of string. Pumped 45 bbl water and established circulation, recovering drill cuttings and heavy drilling mud. Had pulled tubing up 20' with circulation, rotation, and surface jarring when a collar split 65 joints down.
- 07/14/92 - Attempted to get over split collar with overshot but had no success. Ran center spear, caught fish and pulled out of hole with tubing. Had 175 joints, seating nipple, perforated sub, and mud anchor. Found hole in joint 6' above seating nipple.
- 07/15/92 - Ran bridge plug and packer. Set bridge plug at 4700'. Isolated casing leak between 1975' and 2018' (all pipe appeared to be bad in this interval). Casing above and below bad pipe tested to 1500 psig. Injection rate 3 BPM at 750 psig. Discussed cementing plans with Wayne Townsend of BLM. Moved bridge plug to 2100' and tested but failed. Re-dressed bridge plug and set at 2100' and tested to 2100 psig. Set packer at 1599'.
- Squeezed bad pipe at 1975'- 2018' with 250 sx Class "B" w/ 2%  $\text{CaCl}_2$  (density 15.6 lb/gal, yield 1.18  $\text{ft}^3/\text{sx}$ ). Attained hesitation squeeze to 2200 psig. Average rate 3 BPM at 1500 psig. Shut in for night with cement displaced to 1800' (calculated).
- 07/16/92 - Retrieved packer. Ran bit and 7 3-1/8" drill collars. Tagged cement at 1825' and drilled to 2015' w/ stringers to 2025'. Tested squeeze to 1000 psig for 15 minutes with zero pressure loss. Retrieved bridge plug.
- 07/17/92 - Ran notched collar and seating nipple on 2-3/8" tubing. Tagged fill at 5531'. Cleaned out well to 5654.77' PBTD, circulating out mostly drill cuttings from casing leak, drilling mud, frac balls, and frac sand. Landed tubing at 5586' KB corrected (176 joints plus seating nipple). Swabbed 79.98 bbl in 12 runs.
- 07/18/92 - Casing pressure 235 psig, tubing 5 psig.
- 07/19/92 - Casing Pressure 400 psig, tubing 5 psig.
- 07/20/92 - Casing pressure 475 psig, tubing 0 psig. 2600' of fluid in hole. Kicked well off in 3 runs after swabbing 10 bbl. Flowed 6 bbl of 100% oil after swabbing. Final flowing casing pressure 280 psig. Ripped up for "poor boy" acid job.

Halliburton pumped 20 bbl treated water down tubing followed by 2000 gal 10% double inhibited MCA HCl, displacing with 20 bbl

treated water. Final casing pressure 1150 psig, tubing 541 psig. Bled to 530 psig casing 0 tubing as acid bled into formation. Pumped 19.5 bbl treated water down annulus to displace acid remaining in casing. Final casing pressure 500 psig. Swabbed 18 runs to pit and well kicked off. Shut in with casing at 200 psig, tubing 160 psi. After 1 hour built to 350 psig casing pressure with 205 psig on tubing. Dripped spring stop and piston.

07/21/92 - Casing pressure 500 psig, tubing 240 psig. Opened well and piston came in less than one minute. Found tight spot that piston would not go down through at approx. 150'. Attempted to broach with no success. Blew well down and replaced tight joint.

07/22/92 - Returned well to production on plunger lift.