

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Budget Bureau No. 1004-013
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"/>	3. LEASE DESIGNATION AND SERIAL NO. SF - 078562
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 2300 FNL 1570 FEL	8. FARM OR LEASE NAME Lybrook
14. PERMIT NO.	9. WELL NO. #6
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6804 GR	10. FIELD AND POOL, OR WILDCAT Escrito Gallup 5 to 6M
	11. SEC., T., R., W., OR BLK. AND SURVEY OR AREA Sec. 22 - 24N - 7W
	12. COUNTY OR PARISH Rio Arriba
	13. STATE N.M.

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 checked="" type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input 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"/>	(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 and 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.)

Well has a casing failure and suspected location is the Mesa Verde Zone.

Request approval to repair well by cementing 2 7/8" tubing in place as per the attached procedure and illustrations.

RECEIVED
SEP 2 1991
OIL COR. DIV.
DIST. 6

18. I hereby certify that the foregoing is true and correct		APPROVED DATE 9/16/91 SEP 23 1991 DATE ADJ. MANAGER FARMINGTON RESOURCE AREA
SIGNED <u>[Signature]</u>	TITLE <u>Petroleum Engineer</u>	
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	
CONDITIONS OF APPROVAL, IF ANY:		

WORKOVER PROCEDURE
LYBROOK 6-22
Rio Arriba Co., NM

Problem and Objective

Well has a casing leak and the probable location is in the Mesa Verde. Intent of workover is to isolate old casing by cementing a 2-7/8" tubing string in the well from surface to 5200'. Well will then be produced using 1.5" tubing.

Procedure

1. Rig up pulling unit with pump, pit, and power swivel. Work will require BOP rams and Elevators for 1.5", 2.375", and 2.875" tubulars. A small earthen pit will also be required.
2. Nipple down wellhead and install adapter flange and blowout preventer.
3. Pick up additional 2-3/8" tubing and tag bottom. Tally out of hole and lay down 2-3/8" tubing. Note where bottom was tagged and note depth of fluid and drilling mud by inspecting outside of tubing.
4. Dump 220 gallons (2,940 lb) of 20/40 sand down casing. Top of sand plug will be around 5425' (25' above top perf) depending upon exact depth of bottom.
5. Install 2-7/8" pipe rams. Pick up and tally in hole with 2-7/8" tubing string. Spot bottom of string at 5200' plus or minus one joint. A sawtooth collar should be run on bottom in case any sand bridges are encountered.
6. Land tubing using 2-7/8" doughnut in the 4-1/2" wellhead. Remove BOP and install rubbers and cap.
7. Rig up cementers and establish circulation down tubing and out wing valves on casing. Mix and pump 150 sx (259.5 ft³) class "B" cement with 6% bentonite at 13.5 lb/gal using 9.1 gal water per sack. When good slurry circulates to surface, close wing valves and squeeze cement into Mesa Verde section. Displace cement from tubing with 30 bbl water.
8. Install 2-7/8" wellhead and BOP. Run in hole with bit and bit sub on 1.5" tubing. Using reverse circulation, drill out cement and sand until circulation is no longer possible. (Should be able to clean out to top of Marye before nitrogen is required.)
9. Rig up nitrogen unit and clean out sand to at least 5724' (bottom perf) using reverse circulation. Obtain as much rat hole below 5724' as practicable.
10. Pull bit. Run and land 1.5" tubing at \pm 5700'.
11. Stimulation plans for well are under study.

Lybrook 6-22
Escrito Gallup Pool
Rio Arriba Co., NM

Location: 2300' FNL x 1570' FEL Sec 22 T24N R7W

Completion Date: May 1961

TD: 5750' PBTD: _____' GL: 6804' MSL KB: 6816' MSL (12' AGL)

Casing & Cementing Summary

8.625" 24# Casing at 201', cemented w/ 125 sx, circ.
4.500" 9.5# J-55 Casing at 5749', cemented with 150 sx.

PERFORATING RECORD

Interval	Feet	SPF	Date Opened	Comments
5450'- 5470'	20	2	IC	Stimulated together
5508'- 5536'	28	2	IC	with 40,000 lb sand
5646'- 5666'	20	4	IC	Stimulated together
5682'- 5698'	16	2	IC	with
5710'- 5724'	14	2	IC	60,000 lb sand

COMPLETION AND WORKOVER HISTORY

05/27/61 - Perforated 5646'- 5724' and fracture stimulated with 60,000 lb 20/40 sand in 51,460 gal water at 40.7 BPM and 2500-3000 psig. ISIP 1000 psig.

Perforated 5450'- 5536' and fracture stimulated with 40,000 lb 20/40 sand in 31,145 gal water at 37.4 BPM and 2700-3600 psig. ISIP 1100 psig. Placed on production

05/12/72 - Acidized with 500 gal 15% HCl.

11/86 - Tried to make temporary repair of casing leak with packer and failed.

11/86 - Set bridge plug at 5348'. Set cement retainer at 1906'. Squeezed hole in casing from 2033'- 2065' with 150 sx Class "H" w/ 2% CaCl₂. Set packer at 266' and cemented hole at 518'- 550' with 180 sx Class "H" w/ 2% CaCl₂. Circulated cement to surface. Closed bradenhead valve and squeezed cement downward at 800 psig.

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8.625" 24# Casing at 201', cemented w/ 125 sx, circ.

Casing Leak 518'- 550'. Cemented with 180 sx. Circulated cement to surface and squeezed.

Casing Leak 2033'- 2065'. Squeezed with 150 sx.

Calculated T/cmt 4972'

Interval	Feet	SPF	Date Opened	Comments
5450'- 5470'	20	2	IC	Stimulated together with 40,000 lb sand
5508'- 5536'	28	2	IC	
5646'- 5666'	20	4	IC	Stimulated together with 60,000 lb sand
5682'- 5698'	16	2	IC	
5710'- 5724'	14	2	IC	

4.500" 9.5# J-55 Casing at 5749', cemented with 150 sx.

ALD 10 SEP 91
N. I. DUNNAN

PROPOSED WELLBORE

Lybrook 6-22
Escrito Gallup Pool
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Casing Leak 2033'- 2065'. Squeezed with 150 sx.

Calculated T/cmt 4972'

2-7/8" Set at 5200' and cemented to surface.

Interval	Feet	SPF	Date Opened	Comments
5450'- 5470'	20	2	IC	Stimulated together
5508'- 5536'	28	2	IC	with 40,000 lb sand
5646'- 5666'	20	4	IC	Stimulated together
5682'- 5698'	16	2	IC	with
5710'- 5724'	14	2	IC	60,000 lb sand

4.500" 9.5# J-55 Casing at 5749', cemented with 150 sx.

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