

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ENVY. ☐ Other ☐

2. NAME OF OPERATOR
BCO, Inc.

3. ADDRESS OF OPERATOR
135 Grant Avenue, Santa Fe, New Mexico 87501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface
860' FEL 1810' FSL Sec 27 T 24N R7W, N.M.P.M., Rio Arriba County

At top prod. interval reported below
Same

At total depth
Same

14. PERMIT NO. DATE ISSUED

5. DATE SPUDDED 6/1/85 16. DATE T.D. REACHED 6/ 7/85 17. DATE COMPL. (Ready to prod.) 7/11/85

18. ELEVATIONS (OF, RKB, RT, CR, ETC.)* 6835 GR 19. ELEV. CASINGHEAD 6838

0. TOTAL DEPTH, MD & TVD 5742' 21. PLUG BACK T.D., MD & TVD 5721

22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY XX

4. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

5382 -- 5600 Gallup.

Yes-filed

6. TYPE ELECTRIC AND OTHER LOGS RUN Cement Bond Log - Computer Laser; Induction Log and Compensated Density Dual Spaced Neutron Log.

27. WAS WELL CORED No

8. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	225'	12 1/4"	180 sacks Class B	
4 1/2"	11.6#	5739'	7 7/8"	1475 Sacks Class H	

9. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5579	

1. PERFORATION RECORD (Interval, size and number)
One 3 1/8" select fire shot at 5600, 5578, 5574, 5570, 5566, 5562, 5454, 5436, 5432. Two 1/8" select fire shot at 5386, 5382.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5382-5600	1750 gal. acid; 340,000# of sand; 3,686,046 SCF nitrogen; 162,326 foam gallons

3. PRODUCTION
DATE FIRST PRODUCTION 7/11/85 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Gas lift WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 7/15/85 HOURS TESTED 24 CHOKE SIZE 21/64 PROD'N. FOR TEST PERIOD 49 OIL—BSL. 49 GAS—MCF. 98 WATER—BSL. 12 frac GAS-OIL RATIO 2000

LOW. TUBING PRESS. 500 to 475 CASING PRESSURE 675 to 600 CALCULATED 24-HOUR RATE 49 GAS—MCF. 98 WATER—BSL. 12 frac OIL GRAVITY-API (CORR.) 40

4. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Will be sold as soon as well quits making nitrogen. TEST WITNESSED BY John Russom

5. LIST OF ATTACHMENTS
None

6. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Elizabeth B. Keeshan TITLE OIL CON. DIV. DATE 7/17/85

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Depths reported were measured when open hole logs were run:		
				Ojo Alamo	1384	1384
				Kirtland	1564	1564
				Fruitland	1860	1860
				Pictured Cliffs	2030	2030
				Chacra	2466	2466
				Cliff House	3566	3566
				Menefee	3596	3596
				Point Lookout	4320	4320
				Mancos	4548	4548
				Gallup	5380	5380
				Skelly	5924	5924
				Mayre	6054	6054

38. GEOLOGIC MARKERS

Attachment to Form 3160-4

Lybrook 7-27 #2

(Well Name)

Sec 27 T24N R7W

SF-078562

(Lease Number)

The following summarizes the cement job on the above well as required by item 25 of 3160-4 and the approved APD.

8 5/8 -- Surface 225' -surface. 180 sacks Class B 2% CaCl, 1/4# flocele, mixed at 15.5#'s with a yield of 1.18 or 212 cubic feet. Cement circulated and top is therefore at the surface.

4 1/2 -- Stage 1 T.D. to 5110. Ran 10 barrels mud flush. 175 sacks Class H, 2% CaCl, 8# salt, 1/2# flocele, 6 1/4# gilsonite. Mixed at 15.1 #. Yield 1. 36 cubic feet per sack or a total of 238 cubic feet. Cement was not designed to circulate above DV tool. It did not circulate above DV tool. Top of cement is 5110.

4 1/2 -- Stage 2 4701' to surface. Waited 4 hours for stage 1 to set. Ran 10 barrels of water, 1000 gallons of Flo Check, 5 barrels of water. 1300 sacks of 65/35 Class H, 3% gel, 12 1/2# gilsonite, 5.6# salt, 8.2# Calseal. Mixed at 13.35 pounds. Yield 1.68 cubic feet per sack or a total of 2184 cubic feet. Cement was designed to circulate. It circulated 80 Bbls. of Cement.