

UNITED STATES

SUBMIT IN DUPLICATE*

Form approved
Budget Bureau No. 1004-0137
Expires August 31, 1985

5 BLM-Farmington DEPARTMENT OF THE INTERIOR
5 NGPA Appl. BUREAU OF LAND MANAGEMENT
1 HLB

1 copies 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. CONVR. ☐

2. NAME OF OPERATOR

BCO, Inc.

3. ADDRESS OF OPERATOR

135 Grant, Santa Fe, New Mexico 87501

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

At surface 1920' FSL - 2120' FEL - Sec 18; T24N; R7W; NMPM

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. BUREAU OF LAND MANAGEMENT DATE ISSUED

15. DATE SPUDDED 6/9/84 16. DATE T.D. REACHED 6/16/84 17. DATE COMPL. (Ready to prod.) 7/17/84 18. ELEVATIONS (DF, RKB, RT, CR, ETC.)* GR 7163' 19. ELEV. CASINGHEAD 7165'

20. TOTAL DEPTH, MD & TVD 6156' 21. PLUG BACK T.D., MD & TVD 6118' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY XX ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5818' - 6050' Gallup 25. WAS DIRECTIONAL SURVEY MADE Yes Filed

26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric; Compensated Density and Cement Bond with Gamma Ray 27. WAS WELL CORED No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	J-55 24#	219	12 1/4"	160 sacks -see attached	
4 1/2"	N80 11.6#	6153	7 7/8"	1775 sacks -see attached	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	6060'	

31. PERFORATION RECORD (Interval, size and number)

One 3 1/8" select fire shot at:
6050', 6026', 6022', 6018', 6014', 6010',
6006', 5910', 5886', 5878', 5818'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5818' - 6050'	2500 gal. acid; 650,000 #'s sand, 4,915,965 SCF nitrogen, 251,108 foam gallons,

33.* PRODUCTION

DATE FIRST PRODUCTION 7/17/84 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow. WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 7/19/84 HOURS TESTED 24 CHOKE SIZE 19/64 PROD'N. FOR TEST PERIOD 101 OIL—BBL. 202 GAS—MCF. 13-FRAC WATER—BBL. 2000 GAS-OIL RAT-3

FLOW. TUBING PRESS. 315 to 220 CASING PRESSURE 525 to 435 CALCULATED 24-HOUR RATE 101 GAS—MCF. 202 WATER—BBL. 13-FRAC OIL GRAVITY-API (CORR.) 40

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas to be sold through BCO Kenny Compressor System - connected July 1984. 1st delivery to be made when well quits making nitrogen. TEST WITNESSED BY Dan Button

35. LIST OF ATTACHMENTS

All previously sent.

NMOC

ACCEPTED FOR RECORD

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

SIGNED

Harry R. B. J.

TITLE President

DATE

JUL 27/1984

FARMINGTON RESOURCE AREA

*(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	1754'	Same
				Kirtland	1860'	Same
				Fruitland	2272'	Same
				Pictured Cliffs	2436'	Same
				Chacra	2884'	Same
				Cliff House	3980'	Same
				Menefee	4010'	Same
				Point Lookout	4750'	Same
				Mancos	5060'	Same
				Gallup	5806'	Same
				Skelly	5866'	Same
				Mayre	6000'	Same

38. GEOLOGIC MARKERS

- . Escrito Gallup Unit #25 (Elizabeth #8)
- . Sec 18 T24N R7W
- . NM-03595

The following summarizes the cement job on the above well as required by item 28 of Form 3160-4 and the approved APD.

8 5/8 -- Surface 219 - surface. 160 sacks Class H 3% CaCl, 1/4# flocele, mixed at 15.5#'s with a yield of 1.18 or 189 cubic feet. Cement circulated and top is therefore at the surface.

4½ -- Stage 1 T.D. to 5484'. Ran 10 barrels mud flush. 175 sacks Class H 2% CaCl, 8# salt, ½# flocele, 6¼# gilsonite. Mixed at 15.2 # 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 5484'.

4½ -- Stage 2 5090' to surface. Waited 4 hours for stage 1 to set. Ran 10 barrels of water, 1000 gallons of Flo Check, 5 barrels of water. 1600 sacks of 65/35 Class H, 3% gel, 12½# gilsonite, 5.6# salt, 8.2# Calseal. Mixed at 13.35 pounds. Yield 1.68 cubic feet per sack or a total of 2688 cubic feet. Cement was designed to circulate. It circulated 49 Bbls. of cement.