

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

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. RESVR. ☐ Other _____

2. NAME OF OPERATOR
BCO, INC. -

3. ADDRESS AND TELEPHONE NO.
135 Grant, Santa Fe, NM 87501 505 983-1228 -

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 885' FSL - 1625' FEL -
At top prod. interval reported below Same -
At total depth Same -

14. PERMIT NO. 30-039-25353 - DATE ISSUED _____

15. DATE SPUDDED 1/24/94 - 16. DATE T.D. REACHED 1/31/94 - 17. DATE COMPL. (Ready to prod.) 5/25/94 - 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL: 7250' - KB: 7262' - 19. ELEV. CASINGHEAD 7253' -

20. TOTAL DEPTH, MD & TVD 5900' - 21. PLUG BACK T.D., MD & TVD 5817' - 22. IF MULTIPLE COMPL., HOW MANY* NA - 23. INTERVALS DRILLED BY ROTARY TOOLS XX - CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Gallup 5568-5774 - 25. WAS DIRECTIONAL SURVEY MADE Yes filed with OCD 2/3/94 -

26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated neutron log with GR & CCL & Cement Bond Log with GR & CCL - 27. WAS WELL CORRED NO -

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8 J-55.	24#.	372.	12 1/4.	275 sacks to surface.	
4 1/2 J-55.	11.6#.	5897.	7 7/8.	1150 sacks.	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8.	5771'.	

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
0.39' select fire shot at 5568; 5572; 5576; 5684; 5688; 5692; 5702; 5762 & 5774.				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				5568-5774.	212947 gallons 70% foam
					66220 gallons H ₂ O.
					3532400 scf N ₂ , 408000 #
					16/30 Brady Sand.

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
5/25/94		Pump.				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
6/6/94	24			38	95	2	2500
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
			38	95	2	40	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY Robert Ramirez

35. LIST OF ATTACHMENTS
Cement Job Summary -

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Elizabeth B. Keeshan TITLE President DATE June 6, 1994

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

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.

NMOOD

JUN 06 1994
FARMINGTON DISTRICT OFFICE
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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
				Ojo Alamo.	1620.	1620.
				Kirtland.	1694.	1694.
				Fruitland.	1841.	1841.
				Pictured Cliffs.	2204.	2204.
				Chacra.	2620.	2620.
				Cliff House.	3736.	3736.
				Menefee.	3780.	3780.
				Point Lookout.	4522.	4522.
				Mancos.	4672.	4672.
				Gallup.	5428.	5428.

38. GEOLOGIC MARKERS

ATTACHMENT TO FORM 3160-4

Federal Camp #1

Sec 10 T23N R7W NMPM .

SF-078272-A .

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

8-5/8" surface casing 372' to surface. 275 sacks Class B, 2% CaCl_2 , 1/4# flocele per sack mixed at 15.6 lbs with a yield of 1.18 or 325 cubic feet. Cement did not circulate to surface.

4-1/2" casing: TD to surface. Ran 10 barrels H O, 10 barrels H O with 2% CaCl_2 , 10 barrels H O, 10 barrels superflush, 20 barrels H O. 1000 sacks 65/35 standard poz with 12% Bentonite, 6.25 lb per sack Gilsonite, 1/4 lb per sack Flocele and 0.6% Halad - 322. Mixed at 11.3 pounds per gallon with a yield of 2.64 cubic feet per sack or 2640 cubic feet. Tailed in with 150 sacks Class "G" mixed with 8 lbs per sack salt, 1/2 lb per sack Flocele, 6.25 lb per sack Gilsonite, 2% Calcium Chloride. Mixed at 15.2 pounds per gallon with a yield of 1.38 cubic feet per sack or 207 cubic feet. Circulated 95 barrels slurry.