

(October 1990)

**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

5. LEASE DESIGNATION AND SERIAL NO.

NM-6682.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

FEDERAL B #13.

9. API WELL NO.

30-043-20915.

10. FIELD AND POOL, OR WILDCAT

LYBROOK GALLUP.

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

S22 T23N R7W NMPM.

12. COUNTY OR PARISH
SANDOVAL.13. STATE
NM.**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. RENVR. ☐ 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 1195' FSL & 445' FEL.

At top prod. interval reported below

SAME.

At total depth

SAME.

14. PERMIT NO. DATE ISSUED

30-043-20915.

15. DATE SPUDDED

2/1/94.

16. DATE T.D. REACHED

2/6/94.

17. DATE COMPL. (Ready to prod.)

4/29/94.

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

GL: 7186 KB: 7198.

19. ELEV. CASINGHEAD

7189.

20. TOTAL DEPTH, MD & TVD

5745.

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

XX.

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

5374' - 5588' Gallup.

25. WAS DIRECTIONAL SURVEY MADE

Yes - filed with
OCD 2/10/94.

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Neutron with GR & CCL.

Cement Bond 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#.	370.	12 1/4" .	Surface 275 sacks.	
4 1/2" J-55	11.6#.	5742.	7 7/8" .	Surface 1150 sacks.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8" .	5582' .	

31. PERFORATION RECORD (Interval, size and number)

One 0.39" select fire shots at 5374,
5378; 5382; 5487; 5502; 5506; 5574
and 5588.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5374 - 5588.	183,710 gallons 70 quality.
	N ₂ foam. 362,500#-16/30
	Brady sand. 3,116,538 scf.
	N ₂ , 57,120 gallons H ₂ O.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4/29/94		Gas Lift.				Producing.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/5/94.	24.	23/64" .	→	40.	200.	5.	5000.
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
245.	445.	→	40.	200.	5.	40.0.	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented - will connect as soon as all nitrogen recovered.

TEST WITNESSED BY

Robert Ramirez.

35. LIST OF ATTACHMENTS

Cementing Summary.

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

SIGNED

Elizabeth B. Keashan

TITLE

President

ACCEPTED FOR RECORD

DATE MAY 3, 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

FARMINGTON DISTRICT OFFICE

NM000

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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):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo.	1413.	1413.
				Kirtland.	1618.	1618.
				Fruitland.	1805.	1805.
				Pictured Cliffs.	2004.	2004.
				Chacra.	2407.	2407.
				Cliff House.	3480.	3480.
				Menefee.	3502.	3502.
				Point Lookout.	4331.	4331.
				Mancos.	4558.	4558.
				Gallup.	5205.	5205.

ATTACHMENT TO FORM 3160-4

Federal B #13 .

Sec 22 T23N R7W NMPM .

NM-6682 .

The following summarizes the cement jobs on the above well.

8-5/8" surface casing 370' 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 circulated to surface.

4-1/2" casing: TD to surface. Ran 10 barrels H_2O , 10 barrels H_2O with 2% CaCl_2 , 10 barrels H_2O , 10 barrels superflush, 20 barrels H_2O . 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 43 barrels slurry.