

(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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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 #20

9. API WELL NO.

30-043-20919

10. FIELD AND POOL, OR WILDCAT

LYBROOK GALLUP

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

SEC 21 T23N R7W, NMPM

12. COUNTY OR PARISH

SANDOVAL

13. STATE

NM

1a. TYPE OF WELL:

OIL WELL

☒

GAS WELL

☐

DRY

☐

Other

b. TYPE OF COMPLETION:

NEW WELL

☒

WORK OVER

☐

DEEP-EN

☐

PLUG BACK

☐

DIFF. REVR.

☐

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 2035' FNL & 950' FEL, NMPM

At top prod. interval reported below

SAME

At total depth

SAME

14. PERMIT NO.

DATE ISSUED

30-043-20919

15. DATE SPUDDED

2/15/94

16. DATE T.D. REACHED

2/21/94

17. DATE COMPL. (Ready to prod.)

5/09/94

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

GR: 7445 KB: 7457

19. ELEV. CASINGHEAD

7448

20. TOTAL DEPTH, MD & TVD

5975

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

5914

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

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

5654' - 5870' Gallup

25. WAS DIRECTIONAL SURVEY MADE
Yes—filed with
OCD 2/23/94

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Neutron with GR & CCL. Cement Bond with GR & CCL.

27. WAS WELL CORED

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"	24#	373	12 1/4"	Surface 275 sacks	
4 1/2"	11.6#	5972	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"	5868	

31. PERFORATION RECORD (Interval, size and number)

One 0.39" select fire shot at 5654;
5658; 5662; 5778; 5784; 5788; 5858
and 5870.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5654 - 5870	189,568 gallons 70-quality foam: 362,600#-16/30-Brady Sand. 3,383,635-scf N ₂

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
5/09/94 . . .		Gas Lift .					Producing .	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
5/12/94 .	24 .	25/64 .	→	80 .	300 .	15 .	3750 .	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
320 .	730 .	→	80 .	300 .	15 .	40 .		

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

Vented

TEST WITNESSED BY

Robert Ramirez

35. LIST OF ATTACHMENTS

Cement job details

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

SIGNED

Elizabeth B. Keenan

TITLE

President

DATE

5/13/94

*(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.

NMOC

FARMINGTON DISTRICT OFFICE

38. **GEOLOGIC MARKERS**

U.S. GOVERNMENT PRINTING OFFICE: 1969 O 474 776

ATTACHMENT TO FORM 3160-4

Federal B #20 .

Sec 21 T23N R7W NMPM .

NM-6682 .

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 373' to surface. 275 sacks Class B, 2% CaCl₂, 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 H₂O, 10 barrels H₂O with 2% CaCl₂, 10 barrels H₂O, 10 barrels superflush, 20 barrels H₂O. 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 17 barrels slurry.