

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CENVR. ☐ Other ☐

3. NAME OF OPERATOR

BCO, INC.

4. ADDRESS OF OPERATOR

135 Grant Ave., Santa Fe, N.M. 87501

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

At surface 790 FNL 1650 FWL Sec 22, T23N R7W NMPM

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

30-083-20835

DATE ISSUED

MAY 29 1990

OIL CON. DIV.
DIST. 3

6. LEASE DESIGNATION AND SERIAL NO.

NM 6682

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME

Federal B

10. WELL NO.

8

11. FIELD AND POOL, OR WILDCAT

Lybrook Gallup

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

SEC 22, T23N R7W, NMPM

13. COUNTY OR PARISH
Sandoval

14. STATE

New Mexico

15. DATE STUDDER

2/22/90

16. DATE T.D. REACHED

3/1/90

17. DATE COMPL. (Ready to prod.)

5/16/90

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

7380' GL

19. ELEV. CASINGHEAD

7383

20. TOTAL DEPTH, MD & TVD

5920

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

5888

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

ROTARY TOOLS

XX

CABLE TOOLS

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

5622 - 5856 Gallup

25. WAS DIRECTIONAL SURVEY MADE
Yes—submitted to
OCD 3/5/90

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Guard Log, Spectral Density DSNII Log, CBL

27. WAS WELL CORED
No

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"	23#	232	12 1/4"	155 Sacks	
4 1/2"	11.6#	5907	7 7/8"	1150 Sacks	

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"
					5846

31. PERFORATION RECORD (Interval, size and number)

One 3 1/8" 0.39" select fire shot at 5622, 5628, 5733, 5735, 5738 & 5741;

One 3 1/8" 0.32" select fire shot at 5756, 5792, 5822, 5835, 5856

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5622 - 5856	1000 gallons 15% FE HCL
	370,100 #'s 20-40 sand
	170,000 gallons 68% foam
	57243 gallons H ₂ O, 3241078 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)	
5/11/90		Flowing					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	CAS-OIL RATIO	
5/20/90	24	12/64	→	60	405	10 barrels recovered frac	6750	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
170	465	→	60	405	10 bbls recovered frac	40		
DISPOSITION OF GAS (Bbls used for fuel)								

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

Vented

35. LIST OF ATTACHMENTS

FARMINGTON RESOURCE AREA

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 Vice President

DATE 5/21/90

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

7. 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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
38.				Ojo Alamo	1638	1638
				Kirtland	1702	1702
				Fruitland	1974	1974
				Pictured Cliffs	2156	2156
				Chacra	2652	2652
				Cliff House	3738	3738
				Menefee	3768	3768
				Point Lookout	4570	4570
				Mancos	4723	4723
				Gallup	5462	5462
				Skelly	5613	5613
				Mayre	5732	5732

ATTACHMENT TO FORM 3160-4

Federal B #8
(Well Name)

Sec 22, T23N, R7W NMPM
(Sec, T, R)

NM6682
(Lease No.)

RECEIVED
MAY 22 1988
10:22 AM
FARMINGTON, NEW MEXICO

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

8-5/8" surface casing 232 to surface. 155 sacks Class B 2% CaCl₂, 1/4# flocele per sack mixed at 15.6 lbs with a yield of 1.18 or 183 cubic feet. Cement circulated to surface.

4-1/2" casing, Stage 1: T.D. to 4910.'. Pumped 20 barrels mud flush and 10 barrels fresh water spacer. Lead cement of the first stage was 50 sacks Class "G" cement mixed with 8 pounds Salt per sack, 6 1/4 pounds Gilsonite per sack, 1/2 pound Flocele per sack mixed at 15.2 pounds with a yield of 1.385 cubic feet per sack or 69 cubic feet (about 12 barrels slurry). The remainder of the first stage cement was 200 sacks Class "G" cement mixed with 2% CaCl₂, 8 pounds Salt per sack, 6 1/4 pounds Gilsonite per sack, 1/2 pound Flocele per sack at 15.2 pounds with a yield of 1.385 cubic feet per sack or 277 cubic feet (about 49 barrels slurry). Washed out pumps and lines. Pumped plug. Plug bumped. Opened DV tool and broke circulation. Circulated 1 barrel slurry off DV tool.

4-1/2" casing, Stage 2: 4910 ' to surface.

Pumped 10 barrels water, pumped 10 barrels CaCl₂ water, pumped 10 barrels water spacer, pumped 20 barrels Flocheck 2-1, pumped 10 barrels water. Pumped 900 sacks of Class "G" 50/50 PozMix mixed with 4% Gel, 10% Salt, 10% CalSeal and 10 pounds Gilsonite per sack at 12.7 pounds with a yield of 1.81 cubic feet per sack or 1629 cubic feet (approximately 291 barrels of slurry). Washed out pumps and lines. Pumped plug. Plug bumped and DV tool closed. DV held. Circulated 37 barrels of slurry to pit.