

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 *

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 OF OPERATOR

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

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

At surface 1850 FNL and 930 FWL Sec 31, T24N R6W NMPM.

At top prod. interval reported below Same

At total depth Same.

14. PERMIT NO.

DATE ISSUED

30-039-2760V

5. LEASE DESIGNATION AND SERIAL NO.

SF-078534

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bobby B

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Escrito Gallup Associated

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

Sec 31, T24N R6W NMPM

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED

2/6/90

16. DATE T.D. REACHED

2/12/90

17. DATE COMPL. (Ready to prod.)

5/16/90

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

6718' GL

19. ELEV. CASINGHEAD

6721'

20. TOTAL DEPTH, MD & TVD

5650'

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

5593'

22. IF MULTIPLE COMPL. HOW MANY*

N/A

23. INTERVAL

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

5264 - 5462 Gallup

MAY 29 1990

25. WAS DIRECTIONAL SURVEY MADE
Yes—filed with
OCD 2/14/90

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Guard, Spectral Density DSN II, CBL

OIL CON. DIV.
DIST. 3

27. WAS WELL CORRED

No

28. 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#	229	12 1/4"	155 Sacks	
4 1/2"	11.6#	5640	8 5/8"	1140 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"	5433	

31. PERFORATION RECORD (Interval, size and number)

One 3 1/8" 0.39" select fire shot at 5264', 5267', 5391', 5394', 5397', 5403', 5406'.
One 3 1/8" 0.32" select fire shot at 5433', 5442', and 5462'.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5264 - 5462	1000 gallons 7 1/2% FE HCL
	370,000 # 20 - 40 sand
	3,415,810 SCF N ₂
	179,252 gallons of N ₂ foam

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
5/10/90 .		Flowing .				Producing .	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/15/90 .	24 .	17/64 .	→	22 .	297 .	3 recovered frac water	13500 .
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
435 .	490 .	→	22 .	297 .	3 recovered frac water	40 .	

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

Vented - will sell when nitrogen cleaned up.

35. LIST OF ATTACHMENTS

NMOCD

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. Keeshan TITLE Vice President

DATE 5/16/90

*(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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	1290.	1290.
				Kirtland	1466.	1466.
				Fruitland	1662.	1662.
				Pictured Cliffs	1824.	1824.
				Chacra	2355.	2355.
				CliffHouse	3492.	3492.
				Menefee	3532.	3532.
				Point Lookout	4182.	4182.
				Mancos	4412.	4412.
				Gallup	5198.	5198.
				Skelly	5256.	5256.
				Mayre	5383.	5382.

ATTACHMENT TO FORM 3160-4

Bobby B #3 .
(Well Name)

Sec 31, T24N R6W .
(Sec, T, R)

SF-078534 .
(Lease No.)

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 229' . 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 4630 . '. Pumped 20 . barrels mud flush
and 3 . 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 190 . 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
263 . cubic feet (about 47 . barrels slurry). Washed out pumps and lines.
Pumped plug. Plug bumped. Opened DV tool and broke circulation. Circulated
15 . barrels slurry off DV tool.

4-1/2" casing, Stage 2: 4630 . ' to surface.

Pumped 5 . 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 1.806 . cubic feet per sack or 1625 . cubic feet
(approximately 290 . barrels of slurry). Washed out pumps and lines. Pumped
plug. Plug bumped and DV tool closed. DV held. Circulated 54 . barrels of
slurry to pit.