

(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*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CENVR. ☐ 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 2280' FSL and 780' FEL
At top prod. interval reported below Same
At total depth Same

RECEIVED
JUN 27 1991

14. PERMIT NO. DATE ISSUED
OIL CON. DIV.

5. LEASE DESIGNATION AND SERIAL NO. SF-078272
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. TRAIT AGREEMENT NAME
8. NAME OR LEASE NAME

9. WELL NO. Dunn
3-Y
10. FIELD AND POOL, OR WILDCAT Lybrook Gallup
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 3 T23N R7W NMPM
12. COUNTY OR PARISH Rio Arriba
13. STATE New Mexico

15. DATE SPUDDED 1/2/91 16. DATE T.D. REACHED 1/12/91 17. DATE COMPL. (Ready to produce) 5/15/91 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL 6978 19. ELEV. CASINGHEAD 6981
20. TOTAL DEPTH, MD & TVD 6486 21. PLUG, BACK T.D., MD & TVD 6482 22. IF MULTIPLE COMPL., HOW MANY* 2 23. INTERVALS DRILLED BY ROTARY TOOLS XX CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Gallup 5348 - 5538

25. WAS DIRECTIONAL SURVEY MADE Yes - filed with OGD 1/16/91
27. WAS WELL CORED No

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Log, Compensated Density Log, Gamma Ray Cement Bond Log, Cased hole Compensated Neutron log.

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"	24#	360	12 1/4"	350 Sacks	
4 1/2"	11.6#	6483	7 7/8"	2075 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"	6377	

31. PERFORATION RECORD (Interval, size and number)

One 0.32" perforation at 5348, 5354, 5360, 5468, 5471, 5478, 5481, 5516, 5532, 5538.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5348 - 5538	500 gallons 7 1/2% FE HCL
	174,000 gallons 70% foam
	372,000 # 16/30 Brady sand
	3,415,450 scf nitrogen

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
6/5/91		Swab to flow					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
6/11/91	24	30/64	→	26	104	10	4000 - 1	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
450	900	→	26	104	10	40		

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

Vented

35. LIST OF ATTACHMENTS

Cementing report, R-6929 Commingling order

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available information.
SIGNED Elizabeth B. Keeshan TITLE President
DATE 6/12/91

*(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	TOP TRUE VERT. DEPTH
				Ojo Alamo Kirtland Fruitland Pitured Cliffs Chacra Cliff House Menefee Point Lookout Mancos Gallup Greenhorn Base of Greenhorn Graneros Dakota	1428 1530 1670 2018 2450 3490 3532 4226 4474 5306 6214 6274 6292 6470	1428 1530 1670 2018 2450 3490 3532 4226 4474 5306 6214 6274 6292 6470

ATTACHMENT TO FORM 3160-4

Dunn 3-Y
(Well Name)

Sec 3, T23N, R7W
(Sec, T, R)

SF-078272
(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 363 ' to surface. 350 sacks Class B, 2% CaCl_2 , 1/4# flocele per sack mixed at 15.6 lbs with a yield of 1.18 or 413 cubic feet. Cement circulated to surface. Did not circulate with 250 sacks. Remediated by pumping 100 sacks through 1 1/4" tubing.

4-1/2" casing, Stage 1: T.D. to 5055 '. Ran 20 barrels mud flush, 75 sacks Class G mixed with 8 lbs salt per sack, 1/2# flocele per sack, 6 1/4 lbs Gilsonite per sack. Mixed at 15.2 lbs per gallon. Yield 1.377 cubic feet per sack or a total of 103 cubic feet. 400 sacks Class G mixed with 2% CaCl_2 , 8# salt per sack, 6 1/4# Gilsonite per sack, 1/2# flocele per sack, mixed at 15.2# with a yield of 1.377 or 551 cubic feet. Cement was designed to circulate above cement stage tool. Did not see slurry in liquid. Circulated when opened cement stage tool. Bond log determined top of cement at cement stage tool.

4-1/2" casing, Stage 2: 5055 ' to surface '. Pumped 5 barrels of water, pumped 10 barrels CaCl_2 water, pumped 10 barrels water spacer, pumped 20 barrels Superflush, pumped 10 barrels water. 1600 sacks of 50/50 Class G poz mix mixed with 2% gel, 2% KCL by weight of water, 12# Gilsonite per sack. Mixed at 12.8 lbs per gallon with a yield of 1.46 cubic feet per sack or a total of 2336 cubic feet. Cement was designed to circulate. Circulated 100 barrels slurry.