Form 3160 (November 1983) (formerly 9-330) — AMENDED AT REQUEST OF OIL CONSERVATION DIVISION TO REPORT GRANEROS & GALLUP SEPARATELY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
OCT 09 1985
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.: SF-078272

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Dunn

9. WELL NO.: 12

10. FIELD AND POOL, OR WILDCAT: (Undesignated Dakota Graneros)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 3 T23N R7W

12. COUNTY OR PARISH: Rio Arriba

13. STATE: New Mexico

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: BCO, INC.

3. ADDRESS OF OPERATOR: 135 Grant Avenue, Santa Fe, New Mexico 87501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 990' FSL 1800' FEL Sec 3 T23N, R7W, N.M.P.M. Rio Arriba County New Mexico
At top prod. interval reported below: Same
At total depth: Same

14. PERMIT NO. | DATE ISSUED

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
June 9, 1985	June 17, 1985	September 10, 1985	7020 GR	7023

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6477	6475	Two	→	XX	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Dakota (Undesignated Graneros) 6342-6387

25. WAS DIRECTIONAL SURVEY MADE: Yes-Filed

26. TYPE ELECTRIC AND OTHER LOGS RUN: Cement Bond Log Computer Laser, Induction Log, Compensated Density Dual Spaced Neutron Log

27. WAS WELL CORED: 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"	J-55 24#	307	12¼"	180 Sacks - Class B	
4½"	N-80 11.6#	6597	7-7/8"	1950 Sacks - Class H	

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"	6369'	

31. PERFORATION RECORD (Interval, size and number)
One 3-1/8" .32 diameter select fire shot at 6387, 6360, 6358, 6356, 6354, 6352, 6350, 6348, 6342

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6342-6387	1500 gal 7½% acid,
	200,000 gal (70%) foam,
	300,000 lbs. sand,
	5,400,600 SCF Nitrogen

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
8/5/85	Flow	Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/19/85	24	24/64		20	60	0	3000

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
500	510		20	60	0	40

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

TEST WITNESSED BY: Robert Ramirez

RECEIVED
OCT 15 1985
OIL CON. DIV.

35. LIST OF ATTACHMENTS: Cementing Record

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 Controller DATE 10/4/85

NMOCC

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

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.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Depths reported were measured when open hole logs were run:		
Ojo Alamo	1,430	1,430
Kirtland	1,602	1,602
Fruitland	1,904	1,904
Pictured Cliffs	2,084	2,084
Chacra	2,507	2,507
Cliff House	3,561	3,561
Menefee	3,590	3,590
Point Lookout	4,328	4,328
Mancos	4,512	4,512
Gallup	5,360	5,360
Skelly	5,390	5,390
Mayre	5,512	5,512
Lower Gallup	5,544	5,544
Lower Mancos	5,660	5,660
Greenhorn	6,258	6,258
Upper Graneros (1st Dakota)	6,340	6,340
Lower Graneros (2nd Dakota)	6,438	6,438
Dakota (3rd Dakota)	6,496	6,496

Atachment to Form 3160-4

Dunn #12

Sec 3 T23N R7W

SF-078272
(Lease Number)

The following summarizes the cement job on the above well as required by item 25 of 3160-4 and the approved APD.

8 5/8 -- Surface 300' surface. 180 sacks Class B 2% CaCl, 1/4# flocele, mixed at 15.5#'s with a yield of 1.18 or 212 cubic feet. Cement circulated and top is therefore at the surface.

4 1/2 -- Stage 1 T.D. to 5890'. Ran 10 barrels mud flush. 175 sacks Class H 2% CaCl, 8# salt, 1/2# flocele, 6 1/4# gilsonite. Mixed at 15.2 #. Yield 1. 36 cubic feet per sack or a total of 238 / cubic feet. Cement was not designed to circulate above DV tool. It did not circulate above DV tool. Top of cement is 5890'.

4 1/2 -- Stage 2 5686' to 4836'. Waited 4 hours for stage 1 to set. Ran 10 barrels mud flush. 175 sacks Class H 2% CaCl, 8# salt, 1/2# flocele, 6 1/4# gilsonite. Mixed at 15.2#. Yield 1.36 cubic feet per sack or a total of 238 cubic feet. Cement was not designed to circulate above DV tool. It did not circulate above DV tool. Top of cement is 4836'.

4 1/2 -- Stage 3 4648' to surface. Waited 4 hours for stage 2 to set. Ran 10 barrels of water, 1000 gallons of Flo Check, 5 barrels of water. 1600 sacks of 65/35 Class H, 3% gel, 12 1/2# gilsonite, 5.6# salt, 8.2# Calseal. Mixed at 13.35 pounds. Yield 1.68 cubic feet per sack or a total of 2688 cubic feet. Cement was designed to circulate. It circulated 100 Bbls. of cement.