

OR 3100-4
November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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-EX ☐ PLUG BACK ☐ DIFF. CENTER ☐ 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 900' FNL & 960' FEL, Sec 2 T23N R7W, Rio Arriba Co., N.M.

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED 6/23/88 16. DATE T.D. REACHED 7/1/88 17. DATE CONFL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, CL, ETC.)* GR 7029 19. ELEV. CASINGHEAD 7032

20. TOTAL DEPTH, MD & TVD 6593' 21. PLUG BACK T.D., MD & TVD 5704 22. IF MULTIPLE COMPL. HOW MANY? 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5348 - 5643 Gallup 25. WAS DIRECTIONAL SURVEY MADE Yes - filed with OCD 7/6/88 27. WAS WELL CURED No

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction - SFL, Simultaneous Neutron-Litho Density, Cement Bond

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 #	227'	12 1/4"	155 sacks Class B	
4 1/2"	11.6#	6590'	7 7/8"	1475 sacks Class H & 65/35 Poz mix	

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	5639	

31. PERFORATION RECORD (Interval, size and number)

5348, 5468, 5472, 5478, 5482, 5494, 5498,
5596, 5600, 5604, 5608, 5643.
One 0.39" select fire shot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5348 - 5643	1500 gallons 15% HCL
	93240 gallons 70% foam
	396554 lbs 20/40 sand
	3511535 scf nitrogen

PRODUCTION

33. DATE FIRST PRODUCTION 7/26/88 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL	GAS—MCF	WATER—BBL	GAS-OIL RATIO
7/27/88	24	Open		100	1000	25 (frac)	10000-1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL	GAS—MCF	WATER—BBL	OIL GRAVITY-API (CORR.)	
155	375		100	1000	25		

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

Vented - will sell when quit making nitrogen

35. LIST OF ATTACHMENTS

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

SIGNED Elizabeth B. Keeshan NMOC Vice President

AUG 02 1988

FARMINGTON RESOURCE AREA

DATE 7/29/88

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 to open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	1468	1468
				Kirtland	1582	1582
				Fruitland	1844	1844
				Pictured Cliffs	2082	2082
				Chacra	2505	2505
				Cliff House	3590	3590
				Meneff	3630	3630
				Point Lookout	4436	4436
				Mancos	4590	4590
				Gallup	5209	5209
				Skelly (member of Gallup	5462	5462
				Mayre	5590	5590
				Upper Graneros	6432	6432
				Lower Graneros	6518	6518

ATTACHMENT TO FORM 3160-4

Dunn 13
(Well Name)

Sec 4, T23N, R7W NMPM
(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 227' to surface. 155 sacks
Class B 2% CaCl, 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 4793'. Ran 10 barrels
mud flush, 420 sacks Class H mixed with 2% CaCl, 8 lbs salt per
sack, 1/2# flocele per sack, 6 1/2 lbs Gilsonite per sack. Mixed at 15.2 lbs
per gallon. Yield 1.377 cubic feet per sack or a total of 578 cubic feet.
Cement was not designed to circulate above DV tool. It did not circulate
above DV tool. Top of cement is 4960.

4-1/2" casing, Stage 2: 4793' to surface. Waited 4 hours for
Stage 1 to set. Ran 10 barrels of water, 20 barrels of Flo Check, 5
barrels of water. 1055 sacks of 65/35 Class H poz mix mixed with
3% gel, 12 1/2# Gilsonite per sack, 5.6# salt per sack, 8.2# Calseal per sack.
Mixed at 13 lbs per gallon with a yield of 1.78 cubic feet per sack or a
total of 1878 cubic feet. Cement was designed to circulate. It circulated
49 barrels of good cement.