

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

(See other In-
structions on
reverse side)

EXPIRES AUGUST 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ 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 400' FSL and 2240 FWL, Sec 31 T23N R7W NMPM. At top prod. interval reported below Same At total depth Same		5. LEASE DESIGNATION AND SERIAL NO. NM 6681		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME Federal C		9. WELL NO. 3		10. FIELD AND POOL, OR WILDCAT Alamito Gallup		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 31 T23N R7W NMPM		12. COUNTY OR PARISH Sandoval		13. STATE New Mexico	
15. DATE STUDDERED 7/12/88		16. DATE T.D. REACHED 7/17/88		17. DATE COMPL. (Ready to prod.) 8/9/88		18. ELEVATIONS (DP, RKB, RT, CR, ETC.)* GR 6830		19. ELEV. CASINGHEAD 6833		20. TOTAL DEPTH, MD & TVD 5060'		21. PLUG BACK T.D., MD & TVD 5008'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY XX		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4686-4940 Gallup		25. WAS DIRECTIONAL SURVEY MADE mailed to OCD 7/20/88		26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction-SFL, Simultaneous Compensated Neutron-Litho Density and Cement Bond 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"		23 #		221'		12 1/4"		155 sacks																	
4 1/2"		11.6#		5047'		7 7/8"		900 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		4935'													
31. PERFORATION RECORD (Interval, size and number) 4686, 4690, 4795, 4800, 4808, 4815, 4825, 4876, 4893, 4931, 4940												32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.													
DEPTH INTERVAL (MD)												AMOUNT AND KIND OF MATERIAL USED													
4686-4940												1500 gallons 15% HCL 400,000 lbs 20-40 sand 2,935,207 scf nitrogen 155,124 gallons of foam													
33. PRODUCTION																									
DATE FIRST PRODUCTION 8/9/88		PRODUCTION METHOD (Flowing 8 hrs, down 1 hr) Flowing 8 hrs, down 1 hr										WELL STATUS (Producing or shut-in) Producing													
DATE OF TEST 8/16/88		HOURS TESTED 24		CHOSE SIZE 12/64		TEST PERIOD —		OIL—BSL 31		GAS—MCF. 350		WATER—BSL 10 bbls re		GAS-OIL RATIO covered frac 11250											
FLOW, TUBING PRESS. 275		CASING PRESSURE 510		CALCULATED 24-HOUR RATE —		OIL—BSL 31		GAS—MCF. 350		WATER—BSL 10		OIL GRAVITY-API (CORR.) —													
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold												35. LIST OF ATTACHMENTS FARMINGTON RESOURCE A.													
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																									
SIGNED <u>Elizabeth B. Keeshan</u>												TITLE <u>Vice President</u>													
DATE <u>8/18/89</u>																									

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

Title 16 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOC

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, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Mayre	4790	4790
Skelly	4680	4680
Gallup	4525	4525
Mancos	3840	3840
Pt. Lookout	3694	3694
Menefee	2824	2824
Cliff House	2752	2752
Chacra	1662	1662
Pictured Cliffs	1278	1278
Fruitland	1006	1006
Kirtland	818	818
Ojo Alamo	710	710

ATTACHMENT TO FORM 3160-4

C-3
(Well Name)

Sec 31, T23N, R7W NMPM
(Sec, T, R)

NM 6681
(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 221' 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.

4½" casing 5047 to surface. The lead cement was 750 sacks 65/35
Class H /PozMix A cement mixed with 3% gel, 12½# Gilsonite per sack,
10% salt, 10% calseal mixed at 13 # per gallon with a yield of 1.78
cubic feet per sack or 1335 cubic feet. The tail cement was 150 sacks
Class H with 2% CaCl, 8 lbs salt per sack, 1/2 lb flocele per sack, 6¼#
Gilsonite per sack mixed at 15.2 lbs with a yield of 1.37 cubic feet
per sack or 205 cubic feet. Cement was designed to circulate. It
circulated 31 barrels of cement. Float did not
hold. Held 2200 lbs pressure for total of three hours. No returns when
pressure released.