

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions 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. RESER. ☐ Other ☐

2. NAME OF OPERATOR

BCO, INC.

3. ADDRESS OF OPERATOR

135 Grant, Santa Fe, NM 87501

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

At surface

2200' FSL - 2090' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

30-043-20866

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

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

19. ELEV. CASINGHEAD

4/6/92

4/12/92

5/12/92

GL: 7222

7225

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

5805

5752

XX

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

25. WAS DIRECTIONAL SURVEY MADE

YES - TO OCD
4/15/92

5430 - 5646 GALLUP

26. TYPE ELECTRIC AND OTHER LOGS RUN

CEMENT BOND - VIL GAMMA RAY LOG INDUCTION GUARD

27. WAS WELL CORED

NO

LOG, COMPENSATED NEUTRON PE DENSITY 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# J-55	365	12 1/4"	275 SACKS CLASS B	
4 1/2"	11.6# J-55	5798	7 7/8"	890 SACKS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5630	

31. PERFORATION RECORD (Interval, size and number)

ONE 0.32" SELECT FIRE SHOT AT 5430, 5434, 5438, 5544, 5548, 5557, 5563, 5576, 5599, 5615, 5632, 5642, 5646

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5430 - 5646	1,000 GALLONS 7.5% FE HCL
	325,000 # 16/30 BRADY SAND
	151,000 GALLONS 60 QUALITY
	CONSTANT INTERNAL PHASE NITROGEN

33. PRODUCTION

FOAM.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
5/12/92		GAS LIFT					PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
5/17-5/18/92	24 HOURS		→	50	175	18	3500	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
145	490	→	50	150	18	40		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)								

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

VENTED

35. LIST OF ATTACHMENTS

SUMMARY OF CEMENT JOBS

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

President

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

DATE 5/19/92
FARMINGTON RESOURCE AREA
NMOOD Snn

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stems, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				OJO ALAMO	1420	1420
				KIRTLAND	1700	1700
				FRUITLAND	1855	1855
				PICTURED CLIFFS	2060	2060
				CHACRA	2462	2462
				CLIFF HOUSE	3553	3553
				MENEFEE	3574	3574
				POINT LOOKOUT	4385	4385
				MANCOS	4610	4610
				GALLUP	5262	5262

ATTACHMENT TO FORM 3160-4

FEDERAL B #11
(Well Name)

SEC 22, T23N, R7W
(Sec, T, R)

NM-6682
(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 365' to surface. 275 sacks Class B, 2% CaCl₂, 1/4# flocele per sack mixed at 15.2 lbs with a yield of 1.18 or 325 cubic feet. Cement circulated to surface.

Cemented casing in one stage with 740 sacks 65/35 poz with 12% gel plus 6.25 lb/sx gilsonite plus 0.25 lb/sx flocele plus 0.6% Halad-9. (Density - 11.3 lb/gal, yield = 2.64 ft³/sx - 1954 cubic feet). Tailed in with 150 sx Class "G" plus 6.25 lb/sx gilsonite plus 8 lb/sx salt plus 0.5 lb/sx flocele. (Density - 15.2 lbm/gal, Yield = 1.38 ft³/sx - 207 cubic feet). Displaced with 89 bbl fresh water w/2 gal/Mgal Clayfix II. Circulated 85 bbl (191 sx) cement. Plug down 5:10 a.m.