

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
JUL 01 1985
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CEN. ☐ Other ☐

3. NAME OF OPERATOR
BCO, Inc.

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

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
250' FWL 2040' FSL, Sec 21, T24N R7W, N.M.P.M., Rio Arriba County
At top prod. interval reported below
Same
At total depth
Same

6. PERMIT NO.

7. DATE ISSUED

8. LEASE DESIGNATION AND SERIAL NO.
NM-0557390

9. IF INDIAN, ALLOTTEE OR TRIBE NAME

10. UNIT AGREEMENT NAME

11. FARM OR LEASE NAME
Federal 3-21

12. WELL NO.
5

13. FIELD AND POOL, OR WILDCAT
Escrito Gallup

14. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 21, T 24N, R7W

15. COUNTY OR PARISH
Rio Arriba

16. STATE
New Mexico

17. DATE SPUDDED
5/14/85

18. DATE T.D. REACHED
5/21/85

19. DATE COMPL. (Ready to prod.)
6/19/85

20. ELEVATIONS (OF, RKB, RT, GR, ETC.)*
7285 GR

21. ELEV. CASINGHEAD
7288

22. TOTAL DEPTH, MD & TVD
6204

23. PLUG. BACK T.D., MD & TVD
6175

24. IF MULTIPLE COMPL., HOW MANY*

25. INTERVALS DRILLED BY
ROTARY TOOLS
CABLE TOOLS
XX

26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5870-6099 Gallup

27. WAS DIRECTIONAL SURVEY MADE
Yes - filed

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

29. WAS WELL CORED
No

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#	221	12 1/4	165 Sacks - Class B	
4 1/2"	N80 11.6#	6201	7 7/8	1675 sacks - Class H	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)
2 3/8"	6086

31. PERFORATION RECORD (Interval, size and number)

One 3 1/8" select fire shot at 6099, 6082, 6077, 6072, 6067, 6061, 5964, 5942, 5937, 5932, 5876, 5870

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5870 - 6099	1500 gal acid 160,000 #'s
	Sand 3,593,930 SCF
	nitrogen, 172,010 foam
	gallons

33. PRODUCTION

DATE FIRST PRODUCTION
6/19/85

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
Flow

WELL STATUS (Producing or shut-in)
Producing

DATE OF TEST
6/26/85

HOURS TESTED
24

CHOKE SIZE
30/64

PROD'N. FOR TEST PERIOD

OIL—BBL.
38

GAS—MCF.
78

WATER—BBL.
13

GAS-OIL RATIO
2000

FLOW, TUBING PRESS.
575 to 520

CASING PRESSURE
725-575

CALCULATED 24-HOUR RATE

OIL—BBL.
38

GAS—MCF.
78

WATER—BBL.
13

OIL GRAVITY-API (CORR.)
40

34. DISPOSITION OF GAS (Gas to be sold through BCO Kenney Compressor. 1st delivery to be made when well quits making nitrogen)

TEST WITNESSED BY
ACCEPTED FOR RECORD
Robert Ramirez

35. LIST OF ATTACHMENTS
All previously sent

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

SIGNED Harry R. Bigbee TITLE President DATE 6/22/85

BY 2

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

NMOCC

1001 - when it is signed for any person knowingly and willfully to make to any department or agency of the

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.	38. GEOLOGIC MARKERS		
				NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Depths reported were measured when open hole logs were run:		
				Ojo Alamo	1824	1824
				Kirtland	1984	1984
				Fruitland	2338	2338
				Pictured Cliffs	2524	2524
				Chacra	2950	2950
				Cliff House	4075	4075
				Menefee	4114	4114
				Point Lookout	4818	4818
				Mancos	5036	5036
				Gallup	5868	5868
				Skelly	5924	5924
				Mayre	6054	6054

Attachment to Form 3160-4

Federal 3-21 #5

(Well Name)

Sec 21 T24N R7W

NM-0557390

(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 221 -surface. 165 sacks Class B 2% CaCl, 1/4# flocele, mixed at 15.5#'s with a yield of 1.18 or 195 cubic feet. Cement circulated and top is therefore at the surface.

4 1/2 -- Stage 1 T.D. to 5353. 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 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 5353.

4 1/2 -- Stage 2 5178 ' to surface. Waited 4 hours for stage 1 to set. Ran 10 barrels of water, 1000 gallons of Flo Check, 5 barrels of water. 1500 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 2520 cubic feet. Cement was designed to circulate. It circulated 124 Bbls. of cement.