

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE.

(See other In-
structions on
reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM -014022

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Escrito Gallup Unit.

8. FARM OR LEASE NAME

Escrito Gallup Unit

9. WELL NO.

#28 (3-20 #2)

10. FIELD AND POOL, OR WILDCAT

Escrito Gallup

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec 20; T24N; R7W

12. COUNTY OR
PARISH

Rio Arriba

13. STATE

New Mexico

1a. TYPE OF WELL:

OIL
WELL

☒

GAS
WELL

☐

DRY

☐

Other

b. TYPE OF COMPLETION:

NEW
WELL

☒

WORK
OVER

☐

DEEP-
EN

☐

PLUG
BACK

☐

DIFF.
FLOW

☐

Other

2. NAME OF OPERATOR

BCO, Inc.

3. ADDRESS OF OPERATOR

135 Grant, Santa Fe, New Mexico 87501

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

At surface 990' FNL 2310' FWL Sec 20; T24N R7W NMMP

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

7/9/84

16. DATE T.D. REACHED

7/18/84

17. DATE COMPL. (Ready to prod.)

8/9/84

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

GR 7285

19. ELEV. CASINGHEAD

7288

20. TOTAL DEPTH, MD & TVD

6230

21. PLUG, BACK T.D., MD & TVD

6202

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

XX

CABLE TOOLS

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

5892 - 6110 Gallup

25. WAS DIRECTIONAL
SURVEY MADE

Yes

Filed

27. WAS WELL CORED

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Electric, Compensated Density, Cement Bond

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#	213	12 1/2"	150 sacks - see attached	
4 1/2"	N80 11.6#	6226	7 7/8"	1915 sacks - see attached	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6115	

31. PERFORATION RECORD (Interval, size and number) One 3 1/8" select fire shot at: 6110; 6092; 6088; 6084; 6080; 6076; 6072; 5978; 5956; 5948; 5892

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5892 - 6110	2500 gal. acid, 480,000 #'s sand, 3,595,298 SCF nitrogen, 149,530 foam gallons.

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
8/9/84		Flow				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
8/12/84	24	19/64	→	101	202	8 FRAC	2000
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
275 to 200	625 to 450	→	101	202	8 FRAC	40	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas to be sold through BCO Kenney Compressor System—connected 8/84. 1st delivery to be made when well quits making nitrogen.

35. LIST OF ATTACHMENTS

All previously sent.

NMOCC

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

SIGNED Harry R. Bugh

TITLE President, CON. DIV.

DATE 8/13/84

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

Section 1001 makes it a crime 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.	TOP		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Depths reported were measured when open hole logs were run:				Ojo Alamo	1900	Same
				Kirtland	1990	Same
				Fruitland	2350	Same
				Pictured Cliffs	2514	Same
				Chacra	2964	Same
				Cliff House	4070	Same
				Menefee	4124	Same
				Point Lookout	4820	Same
				Mancos	5126	Same
				Gallup	5880	Same
				Skelly	5936	Same
				Mayre	6010	Same

38. GEOLOGIC MARKERS

Attachment to Form 3160-4

- . Escrito Gallup Unit #28 (Federal 3-20 #2)
- . Sec 20 T24N R7W
- . NM-014022

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 213 - surface. 150 sacks Class C 3% CaCl, 1/4# flocele, mixed at 15.5#'s with a yield of 1.18 or 177 cubic feet. Cement circulated and top is therefore at the surface.

4 1/2 -- Stage 1 T.D. to 5500'. Ran 10 barrels mud flush. 175 sacks Class H 2% CaCl, 8# salt, 1/2# flocele, 6 1/4# gilsonite. Mixed at 15.1 #. 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 5500.

4 1/2 -- Stage 2 5185' to surface. Waited 4 hours for stage 1 to set. Ran 10 barrels of water, 1000 gallons of Flo Check, 5 barrels of water. 1740 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 2923 cubic feet. Cement was designed to circulate. It circulated 36 Bbls. of cement.

RECEIVED
AUG 20 1984
OIL CON. DIV.
DIST. 3