

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

reverse side

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☒

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Bco, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 669 Santa Fe, N.M. 87501

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

990' FSL and 1793' FWL Sec 12 T24N R8W

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6 miles East and 4 miles North of Nageezi

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

990'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

480

19. PROPOSED DEPTH

PBTD 6250

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. NOTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Gr. 7202

22. APPROX. DATE WORK WILL START*

4-17-78

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	8 5/8		210	150 in 1968
	4 1/2		7246	375 in 1968

Current PBTD is 7066 per 8-11-76 notice to USGS

Propose to set a cement retainer at 6250 and plug existing perforations, (6948-7056), with 75 sacks of Class B Neat cement. Cement top will be left at about 6750 and the balance of the cement will be put away in the formation.

Selectively perforate 42 shots from 5824-6200. Spot cement over perforated zone and squeeze. 75 sacks of Class B Neat cement will be used.

Drill out cement from 5824-6200.

Perforate 6060 to 6158 and frac with 125,000 #'s 10-20 sand.

Perforate 5912-5970 and 5860-5870 and frac with 75,000 #'s 10-20 sand.

Swab and place Gallup in production.

Please note that no additional surface damage will be caused by the above work.

Verbal notice of the above given to USGS 4-12-78.

24. THE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Harry B. Bugh TITLE President

DATE 4-12-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side