

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-043-20336
5. PLATE DESIGNATION AND REFILE NO.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

2. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

3. NAME OF OPERATOR

Geo, Inc.

4. ADDRESS OF OPERATOR

P.O. Box 669 Santa Fe, New Mexico 87501

5. LOCATION OF WELL (Refer location clearly and in accordance with any State regulations.)

At surface

990' FSL 790' FWL Sec. 33 T23N R7W

At proposed prod. zone

Same

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

Approximately 6 miles south and 9 miles east of Nageezi, NM

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest Eng. Unit Line, if any)

790'

8. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED,

OR ABANDONED, ON THIS LEASE, FT.

2540

9. PROVISIONS (Check whether DE, RE, GR, etc.)

Gr. 6859

10. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" NEW	24.00#	140'	75 sacks
6 3/4"	4 1/2" NEW	10.50#	5200	At least 200 sacks

As required by NPL-6 the following information is provided:

1. LOCATION -- See #4 & #11 above. Registered surveyors signed plat attached.

2. ELEVATION -- See #21 above.

3. SURFACE GEOLOGIC FORMATION -- Tertiary

4. TYPE OF DRILLING -- Rotary

5. PROPOSED DEPTH -- Base of Gallup which is approximately 5200'.

6. ESTIMATED TOPS -- Kirkland 1000', Pictured Cliffs 1400', Chacra 1800', Cliff House 3000', Point Lookout 3800', Mancos 3950', Gallup 4900'.

7. MINERAL BEARING -- It is anticipated water will be encountered from 100' below the surface to the base of the Ojo Alama at about 850'. It is our anticipation oil and or gas will be found in the Chacra and Gallup. Other formation tops listed in 6 above will probably carry water.

IN ABOVE 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 blow-out preventer program, if any.

24.

SIGNED

Harry R. Bay

TITLE President

DATE 5-22-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

Chal

RECEIVED

MAY 24 1978

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

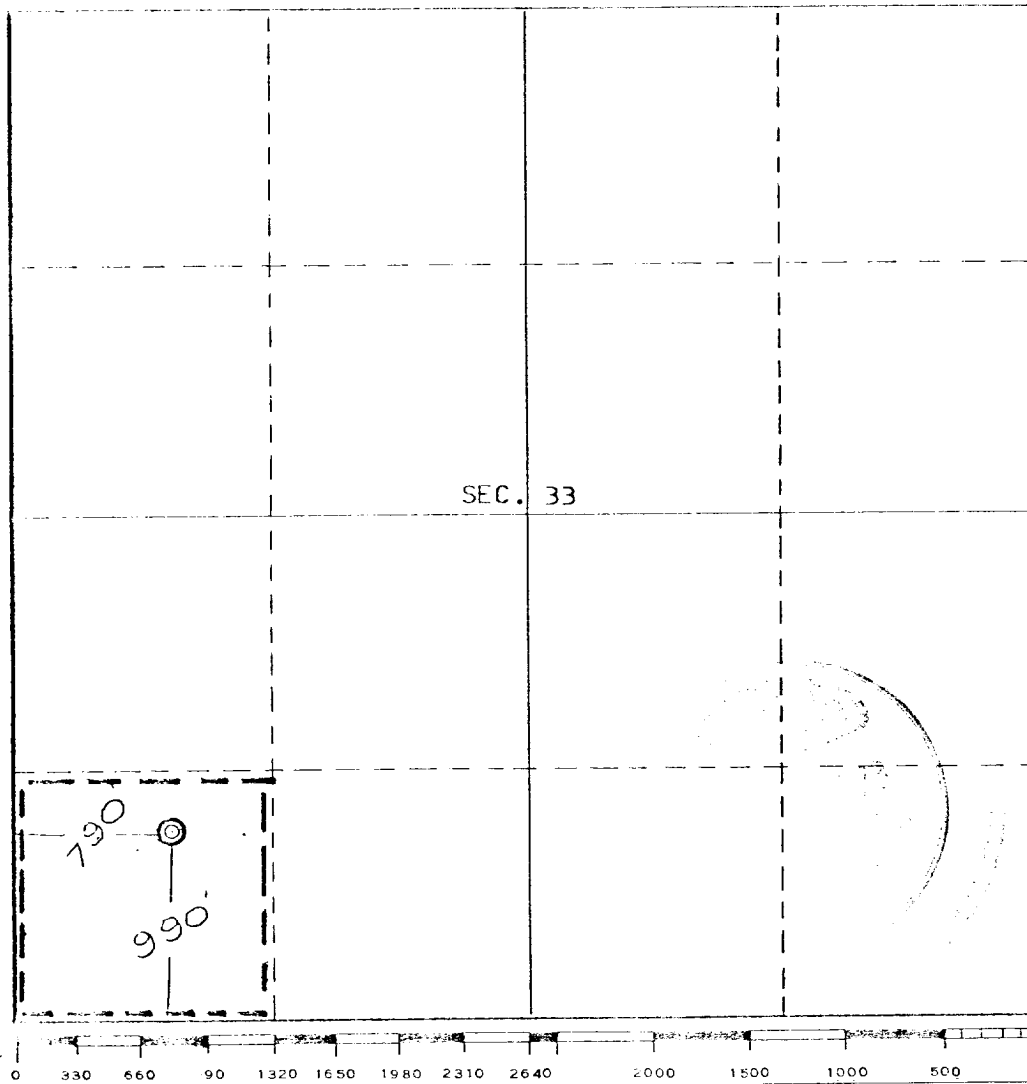
Operator BCO, Inc.			Lease Federal I			Well No. 3		
Unit Letter M	Section 33	Township 23 North	Range 7 West	County Sandoval				
Actual Portage Location of Well:								
990	feet from the	South	line and	790	feet from the	West	line	
Ground Level Elev. 6859	Producing Formation Gallup		Pool Undesignated		Dedicated Acreage: 40		Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Harry R. Bigbee
Name

Harry R. Bigbee

Position

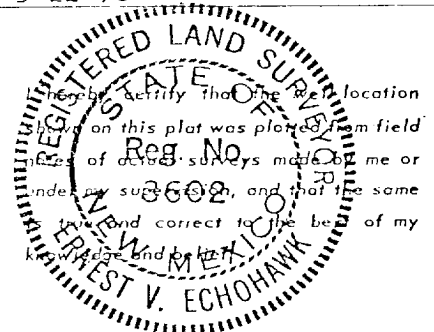
President

Company

Bco, Inc.

Date

5-22-78



Date Surveyed

May 19, 1978

Registered Professional Engineer
and/or Land Surveyor

E. V. Echhawk

Certificate No. 3602

E.V. Echhawk LS

9M

R7W

BCO, INC.
B#2 through B#6 NM-6682
I#1 through I#4 NM-16586
EXHIBIT #1

R7W

I#3
NM-16586

