

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

GEO ENGINEERING INC

3. ADDRESS OF OPERATOR

PO BOX 2966 SANTA FE, NM 87504-2966

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

At surface 1310' FNL AND 609' FEL SEC. 30  
T20N, R9W

At proposed prod. zone

SAME

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

9 1/2 MILES NORTHWEST OF WHITEHORSE

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

609'

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

330'

16. NO. OF ACRES IN LEASE

160

19. PROPOSED DEPTH

1100'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

ROTARY

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

6460 GL

22. APPROX. DATE WORK WILL START\*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7"	11.5 #	100'	35 SX
6 3/4"	4 1/2"	10 #	1100'	300 SX

OPERATOR PROPOSES TO DRILL 9" HOLE TO A DEPTH  
OF 100', SET 7" CASING AND THEN DRILL A 6 3/4"  
HOLE TO A DEPTH OF 1100' TO EVALUATE THE  
MENESEE SANDS OF THE MESA VERDE FORMATION.  
IF OIL IS ENCOUNTERED IN ECONOMIC QUANTITIES  
4 1/2" CASING WILL BE SET THROUGH PAY ZONE

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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 blowout preventer program, if any.

24.

SIGNED

JM Saw

TITLE

PETE ENGINEER

DATE

10-27-85

(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

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

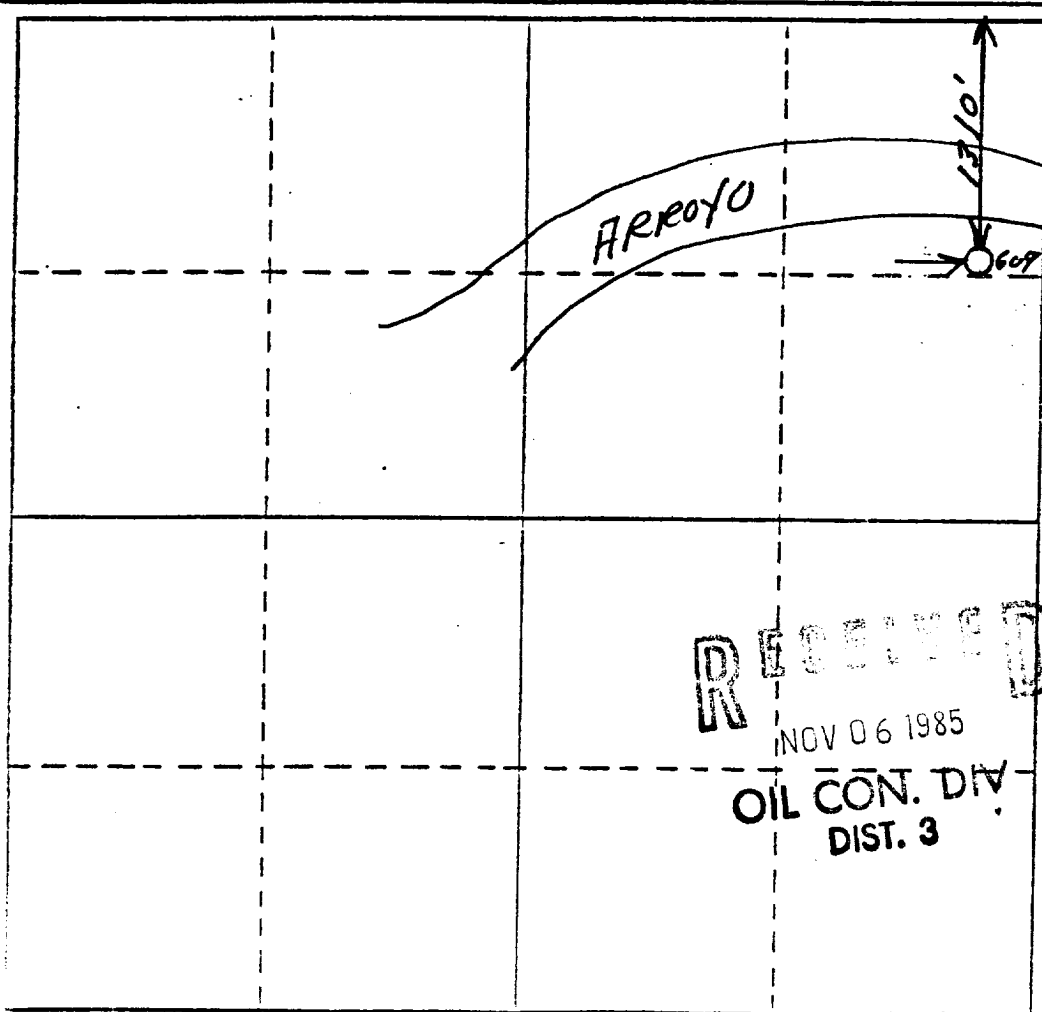
Operator <b>GEO ENGINEERING INC</b>		Lease <b>FEDERAL "A" NM/0254488</b>		Well No. <b>4</b>	
Unit Letter <b>A</b>	Section <b>30</b>	Township <b>20 NORTH</b>	Range <b>9 WEST</b>	County <b>MC KINLEY</b>	
Actual Footage Location of Well: <b>1310</b> feet from the <b>NORTH</b> line and <b>609</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6460</b>	Producing Formation <b>MANEREE</b>		Pool <b>WILDCAT</b>	Dedicated Acreage <b>40</b>	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 Division.



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OIL CON. DIV.  
DIST. 3

#### CERTIFICATION

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

**J.M. SAW**  
Name  
Position  
**PETROLEUM ENGINEER**  
Company  
**GEO ENGINEERING**  
Date  
**10-27-85**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**Jack Hall**  
Date Surveyed  
**9-11-85**  
Registered Professional Engineer and/or Land Surveyor

**4051**  
Certificate No.

