

Release Immediately

B9 DRC

No offsets

Waiting on Bond Approval - 1-14-86

Geo-Engineering

st Dr

Box 1417/200 Court St., Socorro, N.M. 87801 • (505) 835-0377

JAMES W. LAW

Petroleum Engineer

Box 2966, Santa Fe, N.M. 87504

Ph. 982-0472

JAMES R. WOODS

Geological Engineer

*NSL-2188
RULE-104F(I)*

October 31, 1985

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

*Federal "A" No. 4
Wildcat Menefee
40 Acres ded.
NE 1/4 NE 1/4*

Attn: Mr. David Catanach

Re: Non-Standard Location

Wildcat - Section 30, T 20 N

R9W - McKinley County, N.M.

Dear David:

Approval is needed for a non-standard location to be located 1310' ENL and 609' EEL of Section 30, T20N, R9W, McKinley County, New Mexico. A well is needed to the north of the four wells already drilled in the NE/4 of this Section to delineate the extent of the Menefee Reservoirs. As you can see from the attached plats, we are bound by an arroyo to the north of the proposed location. This arroyo is about 16' deep and 30' across.

Geo Engineering has all of the Northeast Quarter or Section 30 under lease and this well will not affect offset operators.

Yours very truly,

JW Law

J. W. LAW

Geo Engineering

cc: OCD Aztec

Attention: Mr. Frank Chavez

*OK - Verbal Error Book
11-18-85*

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 drlg. unit line, if any)

609'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

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

330'

19. PROPOSED DEPTH

1100'

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

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

PETR. 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

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-79

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

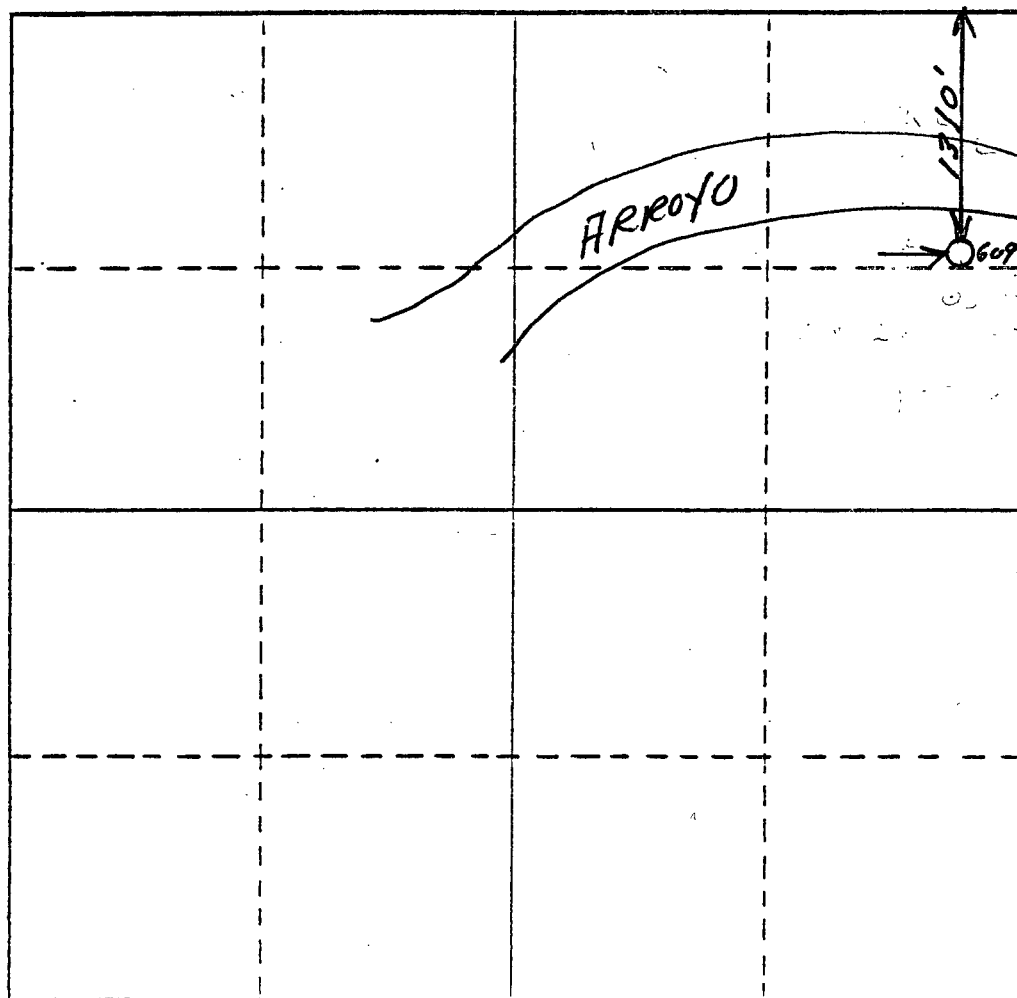
Operator GEO ENGINEERING INC		Lease FEDERAL "A" NM/0254488		Well No. 4
Unit Letter H	Section 30	Township 20 NORTH	Range 9 WEST	County McKINLEY
Actual Footage Location of Well: 1310 feet from the NORTH line and 609 feet from the EAST line				
Ground Level Elev. 6460	Producing Formation MEALEEE	Pool WILDCAT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

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.



CERTIFICATION

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

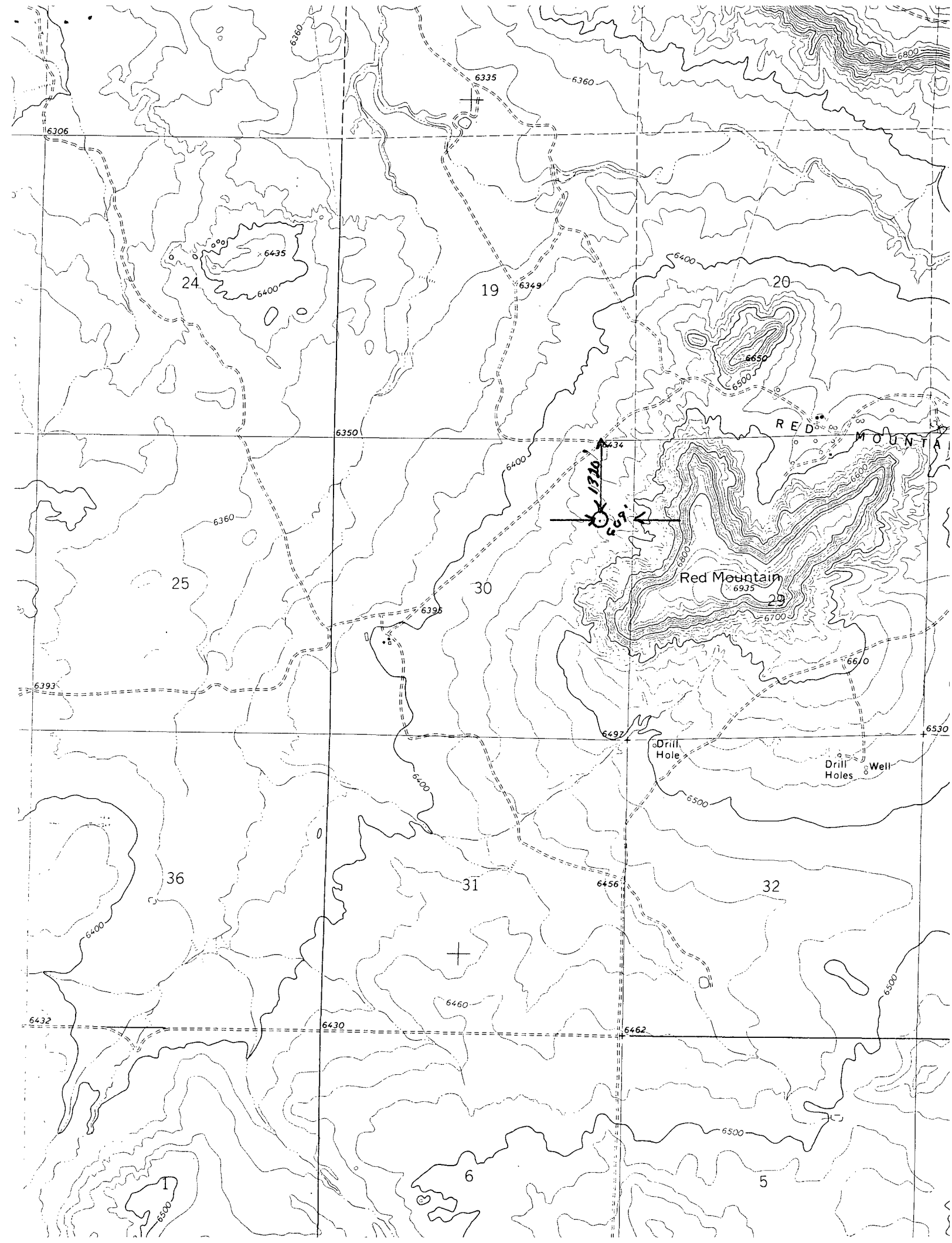
Name **J.M. Scur**
Position **PETROLEUM ENGINEER**
Company **GEO ENGINEERING**
Date **10-27-85**

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.

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

Certificate No. **4051**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0





STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

2188

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501
OIL CONSERVATION DIVISION
DATE 11-18-85

NOV 22 1985
NOV 22 1985

RE: Proposed MC
Proposed DHC
Proposed NSL ☒
Proposed SWD
Proposed WFX
Proposed PMX

Gentlemen:

I have examined the application dated 11-6-85
for the Geo Engineering Federal A # 4 14-30-200-94
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approved

Yours truly,

E. Bush