

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

30-031-20861

Form C-101
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>WATER INJECTION</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator <u>GEO ENGINEERING INC</u>		8. Farm or Lease Name <u>SANTA FE PACIFIC RR</u>
3. Address of Operator <u>PO BOX 2966, SANTA FE NM 87504-2966</u>		9. Well No. <u>19</u>
4. Location of Well UNIT LETTER <u>P</u> LOCATED <u>500</u> FEET FROM THE <u>SOUTH</u> LINE AND <u>660</u> FEET FROM THE <u>EAST</u> LINE OF SEC. <u>21</u> TWP. <u>20N</u> RGE. <u>9W</u> NMPM		10. Field and Pool, or Wildcat <u>CHACO WASH MV</u>
		12. County <u>MENEFEE</u>
19. Proposed Depth <u>360'</u>	19A. Formation <u>MENEFEE</u>	20. Rotary or C.T. <u>ROTARY</u>
21. Elevations (Show whether DF, RT, etc.) <u>6405 GL</u>	21A. Kind & Status Plug. Bond <u>BLANKET</u>	21B. Drilling Contractor <u>CO. TOOLS</u>
		22. Approx. Date Work will start <u>FEB 20, 1984</u>

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
<u>6 1/4"</u>	<u>4 1/2"</u>	<u>10.5</u>	<u>360</u>	<u>80</u>	<u>SURFACE</u>

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FEB 03 1984

OIL CON. DIV.
DIST. 3

OPERATOR PROPOSES TO DRILL THIS WELL FOR USE AS A WATER INJECTION WELL IN THE PROPOSED EXPANSION OF THE CHACO WASH MV WATERFLOOD. THIS WELL WILL BE LOGGED & CORED IN THE MENEFEE

APPROVAL EXPIRES 3-3-84
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Jill Saw Title PETROLEUM ENGINEER Date 1-19-84

(This space for State Use)

APPROVED BY Frank D. Darg TITLE SUPERVISOR DISTRICT # 3 DATE FEB 03 1984

CONDITIONS OF APPROVAL, IF ANY:

WFX required before injection

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

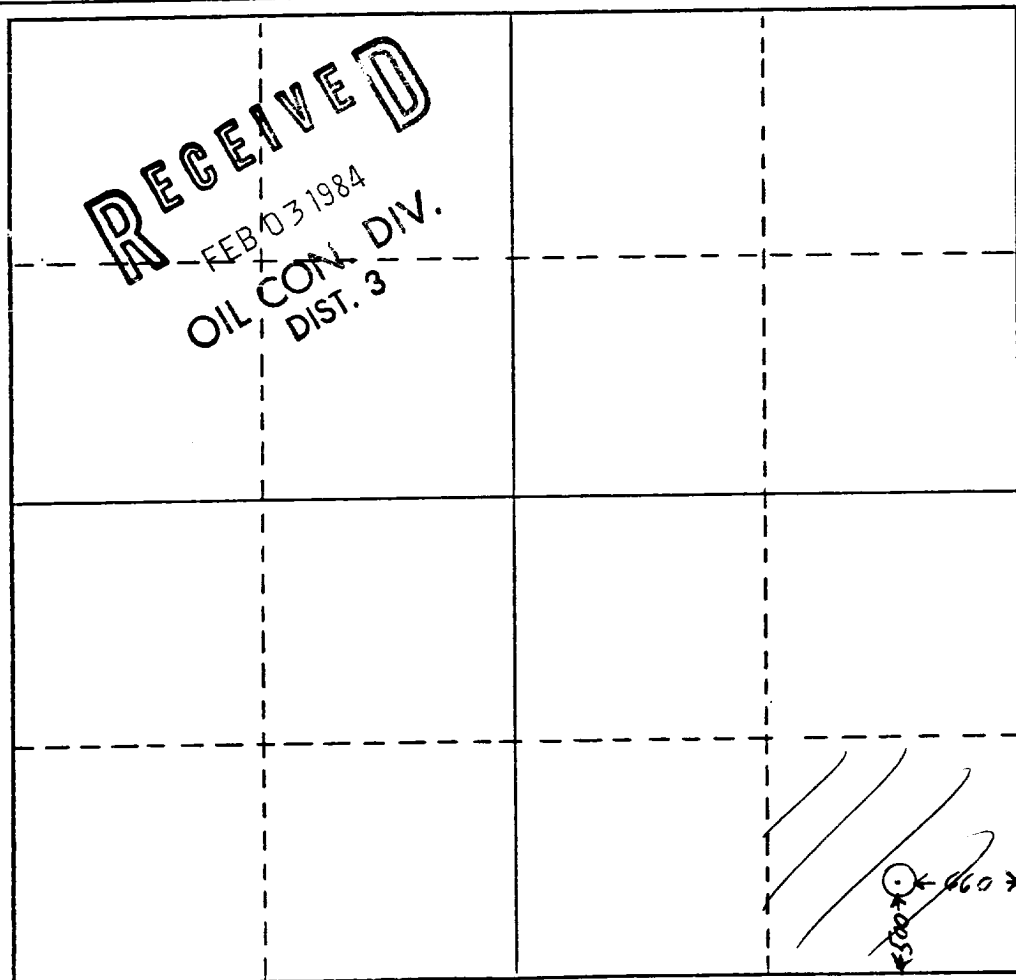
Operator GEO ENGINEERING INC		Lease SANTA FE PACIFIC RR		Well No. 19	
Unit Letter P	Section 21	Township 20 NORTH	Range 9 WEST	County MC KINLEY	
Actual Footage Location of Well: 500 feet from the SOUTH line and 660 feet from the EAST line					
Ground Level Elev. 6405	Producing Formation M/NEEFEE		Pool CHACO WASH M/V	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 Division.



CERTIFICATION

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

Name

PIETROLEUM ENGR.

Position

GEO ENGINEERING INC

Company

Date

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

3-4-84
Registered Professional Engineer
and/or Land Surveyor

Certificate No.

4051

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

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

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Operator GEO ENGINEERING INC		Lease SANTA FE PACIFIC RR		Well No. 19	
Unit Letter D	Section 21	Township 20 N	Range 9 W	County MC KINLEY	
Actual Footage Location of Well: 600 feet from the S line and 660 feet from the E line					
Ground Level Elev. 6405	Producing Formation MENEFEE	Pool CHACO WASH MV	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 Division.

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APR 11 1986

OIL CON. DIV.

DIST. 3

660'

CERTIFICATION

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

Name VICE - PRESIDENT
Position GEO ENGR. INC
Company 3-11-86

Date _____

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 3/11/86

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

1755