

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-101
Revised 10-1-78

NO. OF COPIES RECEIVED	
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 DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>INJECTION</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Form or Lease Name <u>SEPRR 9783</u>
2. Name of Operator <u>GEO ENGINEERING INC</u>		9. Well No. <u>43</u>
3. Address of Operator <u>PO BOX 2966 SANTA FE, NM 87504-2966</u>		10. Field and Pool, or Village <u>CHACO WASH MV</u>
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>300</u> FEET FROM THE <u>NORTH</u> LINE AND <u>16.5</u> FEET FROM THE <u>WEST</u> LINE OF SEC. <u>27</u> TWP. <u>20N</u> R2E. <u>94W</u>		11. County <u>MC MURRAY</u>
19. Proposed Depth <u>360</u>		19A. Formation <u>MENEFEE</u>
20. Elevation (Jaco weather D.F. RT. etc.) <u>6421</u>		20. Rig or C.C. <u>ROTARY</u>
21A. Kind & Status Plug-Back <u>NO. 262269</u>		21B. Drilling Contractor <u>CO TOOLS</u>
22. Approx. Date Work will start <u>12-15-85</u>		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
<u>6 3/4</u>	<u>4 1/2</u>	<u>10.5 #</u>	<u>360</u>	<u>85</u>	<u>SURFACE</u>

OPERATOR PROPOSES TO DRILL THIS WELL TO
EXPAND THE CHACO WASH WATERFLOOD AS AUTHORIZED
BY OIL CONSERVATION DIVISION ADMINISTRATION
ORDER NO. WFX 536

APPROVAL EXPIRES 7-2-86
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 90 DAYS

RECEIVED
JAN 21 1986
OIL CON. DIV. 1
DIST. 3

RECEIVED
OCT 18 1985
OIL CON. DIV.
DIST. 8

4. ABOVE SPACE DESCRIBE PROPOSED PROGRAM, IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE LOCATION OF PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE SHUT-IN PREVENTER PROGRAM, IF ANY.

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

Signed J.M. Sams Title PETROLEUM ENGR. Date 10-15-85

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH TITLE GEOLOGIST DISTRICT #3 DATE JAN 21 1986

CONDITIONS OF APPROVAL, IF ANY:

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

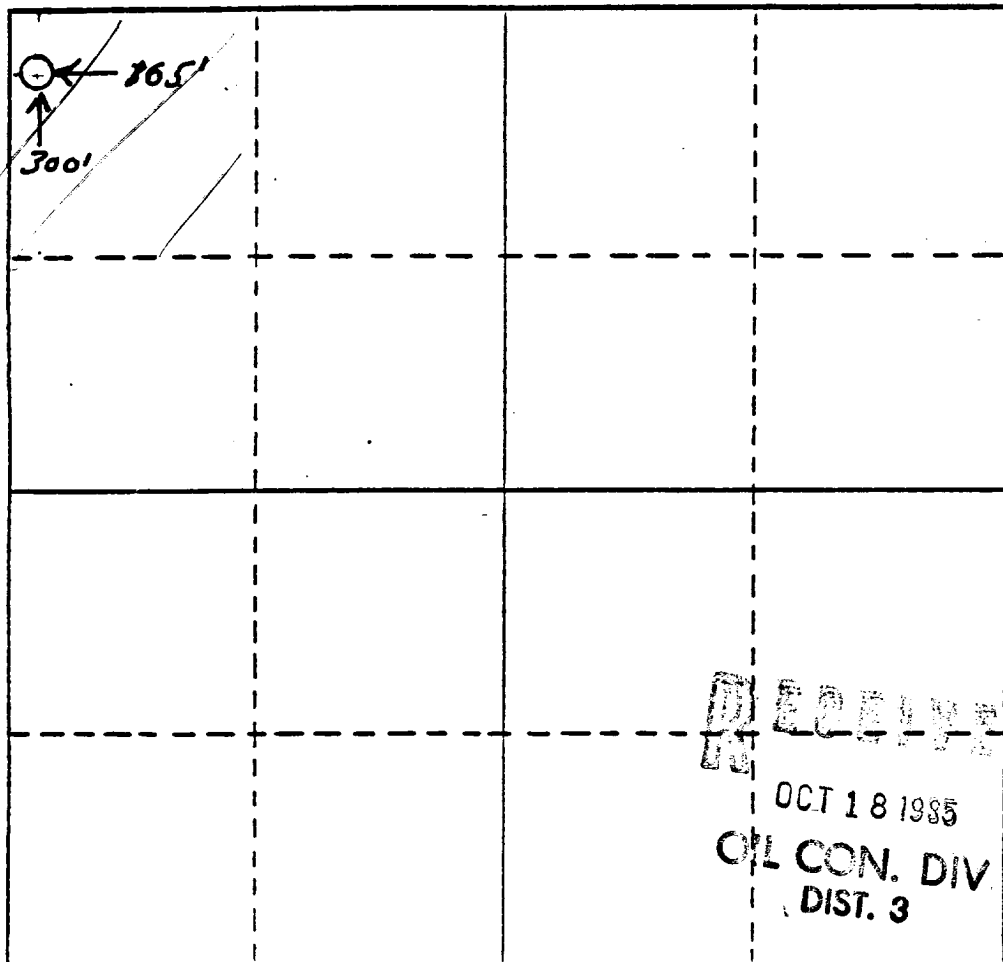
Operator GEO ENGINEERING INC		Lease SANTA FE PACIFIC RR		9783	Well No. 43
Unit Letter D	Section 27	Township 20 NORTH	Range 9 WEST	County M/S KINLEY	
Actual Footage Location of Well: 300 feet from the NORTH line and 16.5 feet from the WEST line					
Ground Level Elev. 6421	Producing Formation MENEZEE		Pool CHACO WASH M/V	Dedicated Acreage Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

JAMES W. LAW
Name
PETROLEUM ENGINEER
Position
GEO ENGINEERING INC
Company
10-15-85
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.

9-22-85
Date Surveyed
P. Jack Hallak
Registered Professional Engineer
and/or Land Surveyor

4031
Certificate No.

RECEIVED
OCT 18 1985
OIL CON. DIV
DIST. 3

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

30-031-20900
Form C-101
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
J.S.S.S.	
LAND OFFICE	
OPERATOR	

1A. Indicate Type of Lease
STATE ☐ PRE ☒
1B. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	7. Unit Agreement Name
1b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> INJECTION <input checked="" type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Field or Lease Name SEPRR 9783
2. Name of Operator GEO ENGINEERING INC	9. Well No. 43
3. Address of Operator PO BOX 2966 SANTA FE, NM 87504-2966	10. Field and Pool of Interest CHACO WASH MV
4. Location of Well UNIT LETTER D LOCATED 300 FEET FROM THE NORTH LINE AND 165 FEET FROM THE WEST LINE OF SEC. 27 TWP. 20N. R2E. 9W. NMPM	11. County MCJUNKIN
19. Proposed Depth 360	19A. Formation MEANIEFER
20. Rotary or C.M.	20. Rotary or C.M. ROTARY
21A. Kind & Status Plug Bond EIO. & DEP. CO.	21B. Drilling Contractor CO. TOOLS
22. Approx. Date Work will start 12-15-85	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
6 3/4	4 1/2	10.5 #	360	85	SURFACE

OPERATOR PROPOSES TO DRILL THIS WELL TO
EXPAND THE CHACO WASH WATERFLOOD AS AUTHORIZED
BY OIL CONSERVATION DIVISION ADMINISTRATION
ORDER NO. WFX 576

APPROVAL EXPIRES 7-21-86
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS

RECEIVED
JAN 21 1986
OIL CON. DIV. 1
DIST. 3

RECEIVED
OCT 18 1985
OIL CON. DIV.
DIST. 8

4. ABOVE SPACE DESCRIBE PROPOSED WORK AND IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE PRESENT PRODUCTION RATE AND PRODUCTION HISTORY.

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

Signed J.M. Sams Title PETROLEUM ENGR. Date 10-15-85

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH TITLE GEOLOGIST DISTRICT #3 DATE JAN 21 1986

CONDITIONS OF APPROVAL, IF ANY:

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

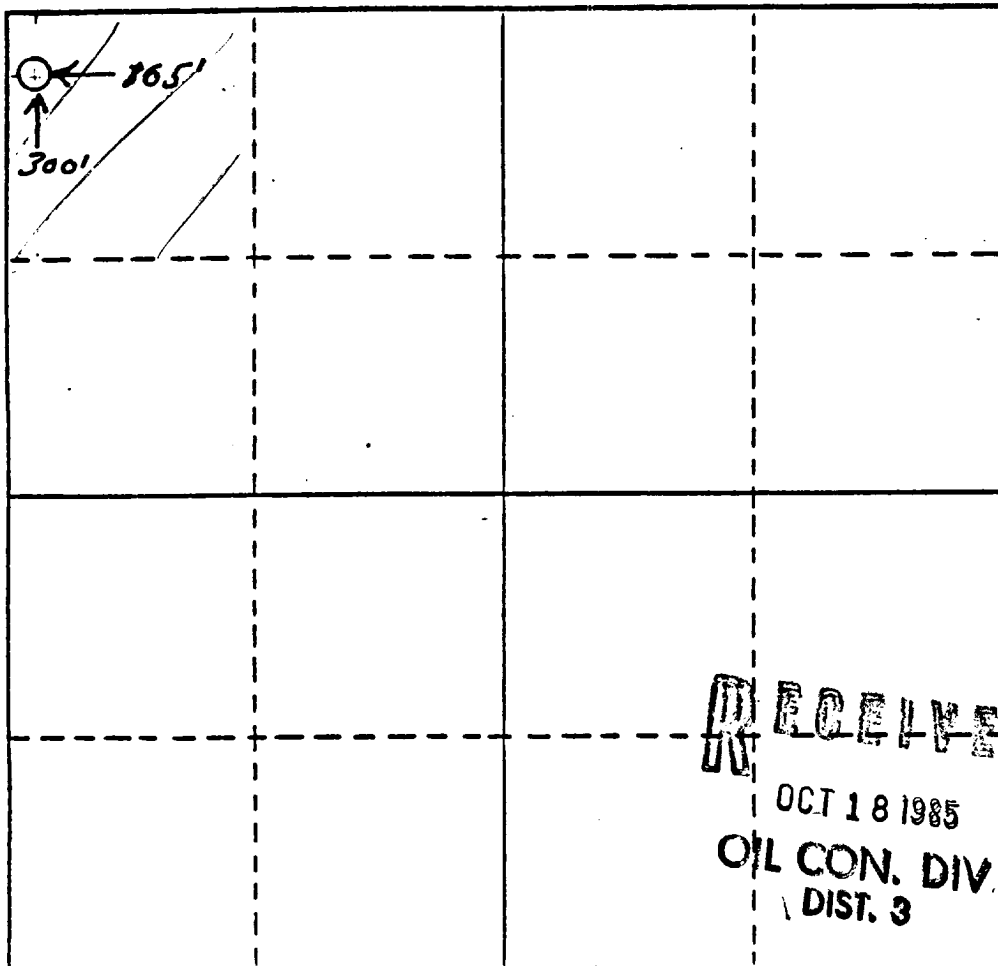
Operator GEO ENGINEERING INC		Lease 9783		Well No. 43	
Unit Letter D	Section 27	Township 20 NORTH	Range 9 WEST	County M/S KINLEY	
Actual Footage Location of Well:					
300 feet from the NORTH line and		16.5 feet from the WEST line			
Ground Level Elev. 6421	Producing Formation MENEZEE	Pool CHACO WASH M/V	Dedicated Acreage 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.

JAMES W. LAW

Name

PETROLEUM ENGR.

Position

GEO ENGINEERING INC

Company

10-15-85

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.

9-22-85

Date Surveyed

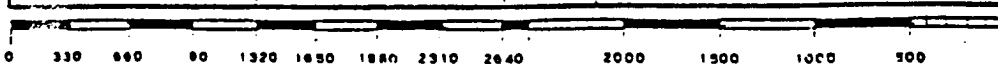
R. Jack Hallak

Registered Professional Engineer and/or Land Surveyor

4057

Certificate No.

RECEIVED
OCT 18 1985
OIL CON. DIV.
DIST. 3



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

30-031-20900
Form C-101
Revised 10-1-78

NO. OF COPIES RECEIVED	
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 DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>INJECTION</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Name of Lease Name <u>SEPRR 9783</u>
2. Name of Operator <u>GEO ENGINEERING INC</u>	9. Well No. <u>43</u>
3. Address of Operator <u>PO BOX 2966 SANTA FE, NM 87504-2966</u>	10. Field and Pool, or Wellset <u>CHACO WASH MV</u>
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>300</u> FEET FROM THE <u>NORTH</u> LINE AND <u>16.5</u> FEET FROM THE <u>WEST</u> LINE OF SEC. <u>27</u> TWP. <u>20N</u> RGE. <u>9W</u> NMPM	12. County <u>MEHERRIA</u>
13. Proposed Depth <u>360</u>	19A. Formation <u>MEHERRIA</u>
19B. Drilling Contractor <u>COA TOOLS</u>	20. Rotary or C.C. <u>ROTARY</u>
21A. Kind & Status Plug. Bond <u>NO. 262889</u>	22. Approx. Date Work will start <u>12-15-85</u>
21B. Elevations (Same as water U.F., RT., etc.) <u>6421</u>	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
6 3/4	4 1/2	10.5 #	360	85	SURFACE

OPERATOR PROPOSES TO DRILL THIS WELL TO
EXPAND THE CHACO WASH WATERFLOOD AS AUTHORIZED
BY OIL CONSERVATION DIVISION ADMINISTRATION
ORDER NO. WFX 576

APPROVAL EXPIRES 7-21-86
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 30 DAYS

RECEIVED
JAN 21 1986
OIL CON. DIV. 1
DIST. 3
RECEIVED
OCT 18 1985
OIL CON. DIV.
DIST. 8

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
Signed J.M. Sams Title PETROLEUM ENGR. Date 10-15-85
(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH TITLE GEOLOGIST DISTRICT #3 DATE JAN 21 1986
CONDITIONS OF APPROVAL, IF ANY:

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

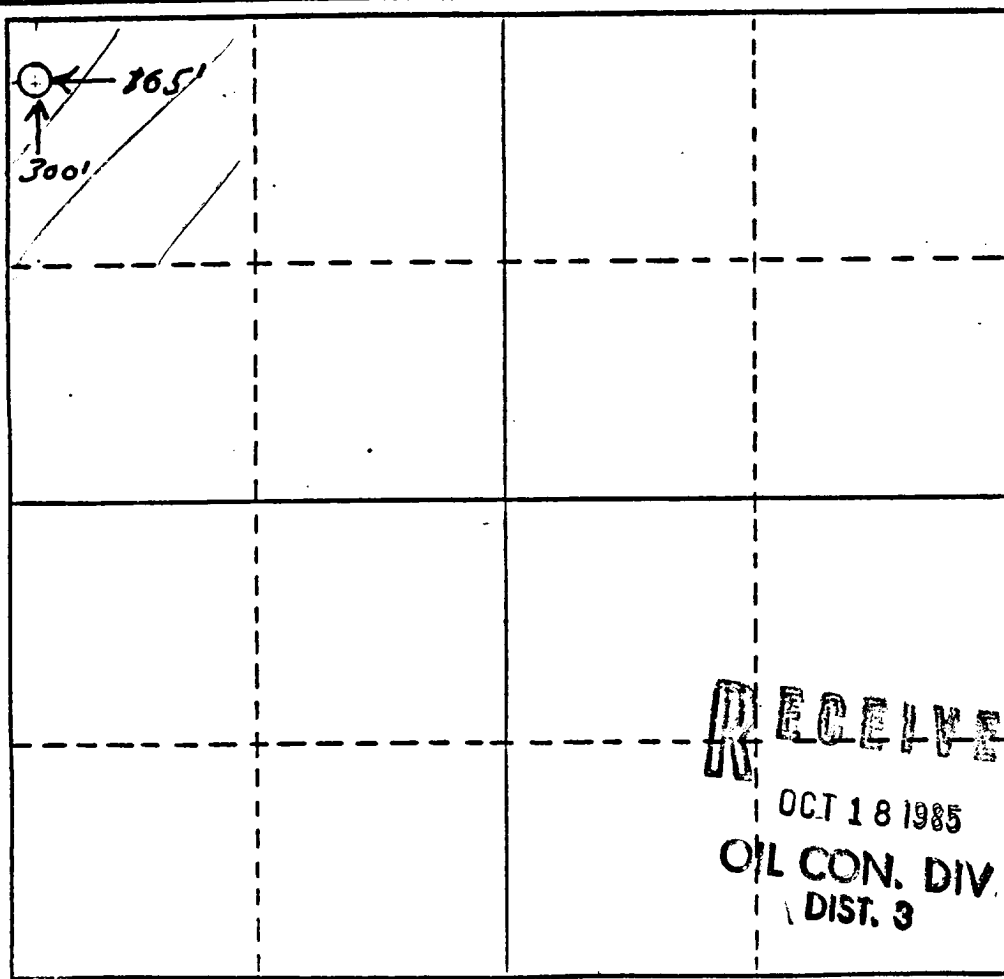
Operator GEO ENGINEERING INC		Lease 9783		Well No. 43	
Unit Letter D	Section 27	Township 20 NORTH	Range 9 WEST	County N/S KINLEY	
Actual Postage Location of Well: 300 feet from the NORTH line and 16.5 feet from the WEST line					
Ground Level Elev. 6421	Producing Formation M/NEEEEE		Pool CHACO WASH M/V		Dedicated Acreage: 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.) _____

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

JAMES W. LAW

Name

PETROLEUM ENGINEER

Position

GEO ENGINEERING INC

Company

10-15-85

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.

9-22-85

Date Surveyed

R. Jack Hallak

Registered Professional Engineer and/or Land Surveyor

4037

Certificate No.

RECEIVED
OCT 18 1985
OIL CON. DIV.
DIST. 3



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

30-031-20900
Form C-101
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

1A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEED <input checked="" type="checkbox"/>
1. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>INJECTION</u> SINGLE TONG <input checked="" type="checkbox"/> MULTIPLE TONG <input type="checkbox"/>		8. Form or Lease Name <u>SEPRR 9783</u>
2. Name of Operator <u>GEO ENGINEERING INC</u>		9. Well No. <u>43</u>
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19. Proposed Depth <u>360</u>		19A. Formation <u>MEANIEFER</u>
20. Roddy or C. =		20. Roddy or C. =
21. Kind & Status Plug. Bond <u>10. & DEPR. CO.</u>		21B. Drilling Contractor <u>CO TOOLS</u>
22. Approx. Date Work will start <u>12-15-85</u>		
13. PROPOSED CASING AND CEMENT PROGRAM		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
6 3/4	4 1/2	10.5 #	360	85	SURFACE

OPERATOR PROPOSES TO DRILL THIS WELL TO
EXPAND THE CHACO WASH WATERFLOOD AS AUTHORIZED
BY OIL CONSERVATION DIVISION ADMINISTRATION
ORDER NO. WFX 576

APPROVAL EXPIRES 7-21-86
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED
JAN 21 1986
OIL CON. DIV. 1
DIST. 3
RECEIVED
OCT 18 1985
OIL CON. DIV.
DIST. 8

IN ABOVE SPACE DESCRIBE PROPOSED WORK AND IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE LOCATION OF PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE SLOUTOUT PREVENTER PROGRAM, IF ANY.

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

Signed J.M. Sams Title PETROLEUM ENGR. Date 10-15-85

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH TITLE GEOLOGIST DISTRICT #3 DATE JAN 21 1986

CONDITIONS OF APPROVAL, IF ANY:

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

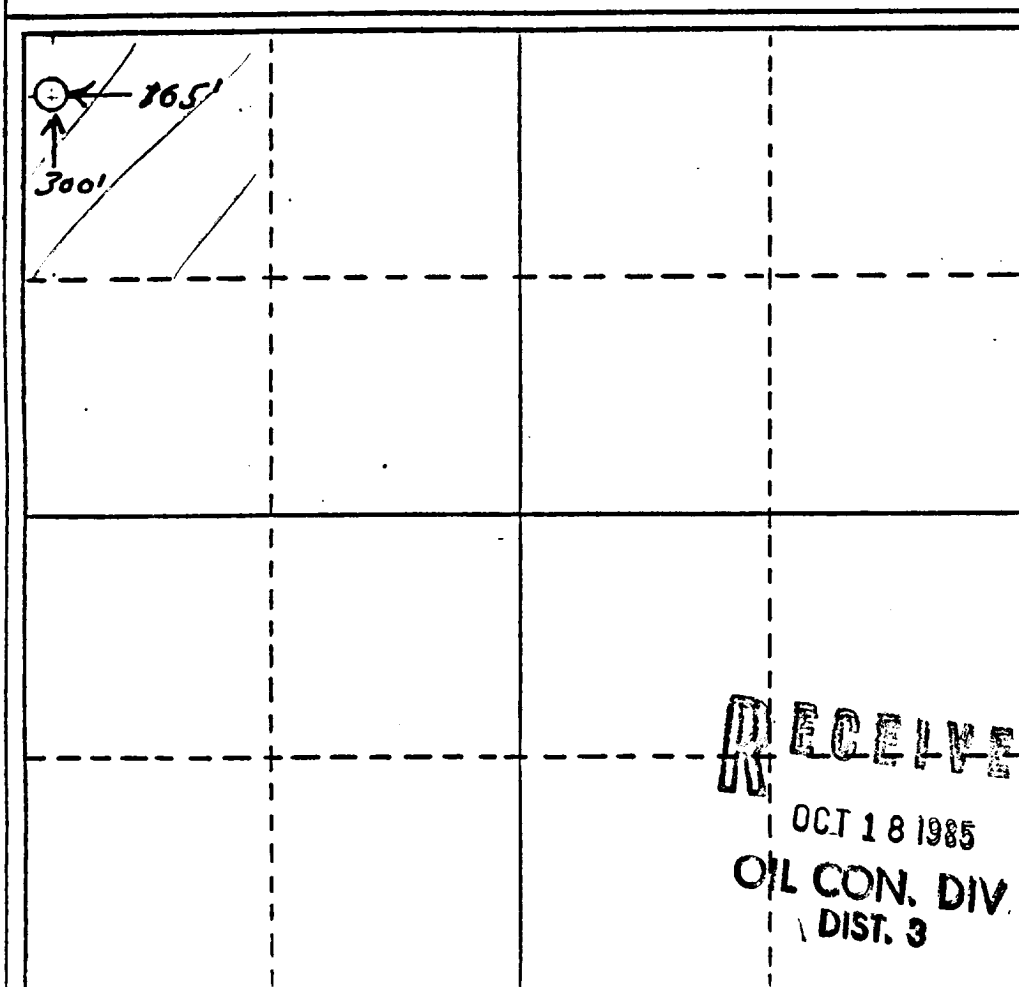
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Unit Letter D	Section 27	Township 20 NORTH	Range 9 WEST	County M/S KINLEY	
Actual Footage Location of Wells: 300 feet from the NORTH line and 16.5 feet from the WEST line					
Ground Level Elev. 6421	Producing Formation MENEEFF		Pool CHACO WASH M/V	Dedicated Acreage: 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).
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☐ 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.) _____

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CERTIFICATION

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

JAMES W. LAW

Name
PETROLEUM ENGINEER
Position
GEO ENGINEERING INC
Company

10-15-85
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.

9-22-85
Date Surveyed
P. Jack Hallaka
Registered Professional Engineer
and/or Land Surveyor

4007
Certificate No.

