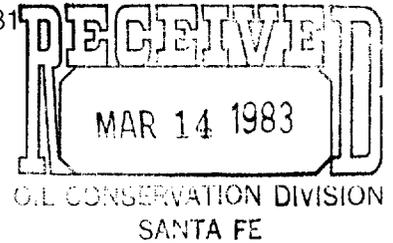


Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



Midland District

February 8, 1983

New Mexico Oil Conservation Commission  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Gentlemen:

SUBJECT:  
Union Oil Company of California  
Application for Administrative Approval  
To Use the Gulf Federal No. 1-12  
For Salt Water Disposal

Union Oil Company of California respectfully requests administrative approval to dispose of produced water into the San Andres and Glorieta formation on our Gulf Federal No. 1, located 1980' FNL and 660' FEL, of Section 12, Township 15 South, Range 34 East, Lea County, New Mexico. We are proposing to dispose of approximately 600 BPD of Wolfcamp produced water from Union's Federal "A" Well No. 1 into the subject SWD well.

In support of this application, we enclose the following:

1. Completed Form C-108.
2. A map identifying the subject well, and all other wells within two miles of this well.
3. A table listing all wells within the one-half mile radius area of review, which have penetrated our proposed SWD interval.
4. A well data form and schematic diagram of all wells located within this area of review.
5. A water analysis of the produced water we are proposing to inject in the subject SWD well.
6. A "typical San Andres" water analysis taken from a well not in this area. (There are no San Andres completions in the area).
7. A water analysis of water taken from a shallow fresh water supply well located at ranch house near the proposed SWD well.

New Mexico Oil Conservation Commission

Page 2

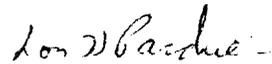
February 8, 1983

Gulf Federal 1-12

8. Copies of letters sent to offsetting operators.
9. Copies of letters sent to owners of the surface of the land on which the subject well is located, along with a waiver signed by surface landowners.
10. A copy of our legal advertisement of this request, which was published in the

If you need additional information, please advise. Your early consideration of this request will be greatly appreciated.

Very truly yours,



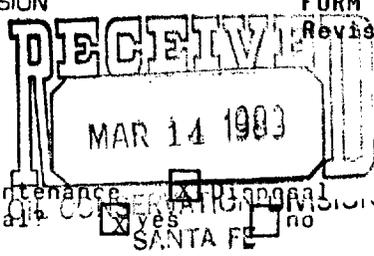
L. H. Pardue

District Production Superintendent

LHP:pd

Enclosures

POST OFFICE BOX 2019  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose:  Secondary Recovery  Pressure Maintenance  Disposal  Storage  
Application qualifies for administrative approval?  yes  no
- II. Operator: Union Oil Company of California  
Address: P. O. Box 671; Midland, Texas 79702  
Contact party: Lon Pardue Phone: (915) 682-9731
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project?  yes  no  
If yes, give the Division order number authorizing the project Previously granted  
administrative approval - #SWD - 135 dated 2-15-73
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- \* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
  1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- \* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Lon Pardue Title District Production Superintendent

Signature: Lon W. Pardue Date: 2/23/83

\* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. X. Copies of well logs were furnished to the NMOCC office in Hobbs on December 31, 1964.

## III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

## XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

---

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

VII. DATA ON THE PROPOSED OPERATIONS

1. Proposed average and maximum daily rate and volumes of fluids to be injected:

Average Rate - 600 BPD

Maximum Rate - 1000

Volume of Fluids - Above rate until economic limit is reached.

2. Whether the system is open or closed: Closed

3. Proposed average and maximum injection pressure:

Average Pressure - 30 psig

Maximum Pressure - 900 psig

4. Sources - Produced water from the Lower Wolfcamp formation. See Attached Analysis.

Compatibility - Water not available from injection zone to determine Compatibility.

IX. PROPOSED STIMULATION PROGRAM

Acidize open hole 4621-5610' and perforations - 5855-6583' with 5000 gallons 15% HCl in 5 stages with 1000 lbs. of rock salt.

- X. WELL LOGS FILED UPON ORIGINAL COMPLETION OF WELL.

- XII. AVAILABLE GEOLOGIC AND ENGINEERING DATA HAS BEEN EXAMINED AND NO EVIDENCE OF OPEN FAULTS OR ANY OTHER HYDROLOGIC CONNECTION EXISTS BETWEEN THE DISPOSAL ZONE AND ANY UNDERGROUND SOURCE OF DRINKING WATER.

Area of Review  
1/4 mi radius from Gulf Fed #1

**JENNINGS**  
Pros. - 840

**W. McDONALD PROS.**  
744

**STANSELL PH 1 S.**  
7450

**MORTON STATE UNITS**  
DORCHES (OPEN)

**ADAMSON PROS.**  
7450

**Attached Water Analysis  
Taken From This Fresh  
Water Well**

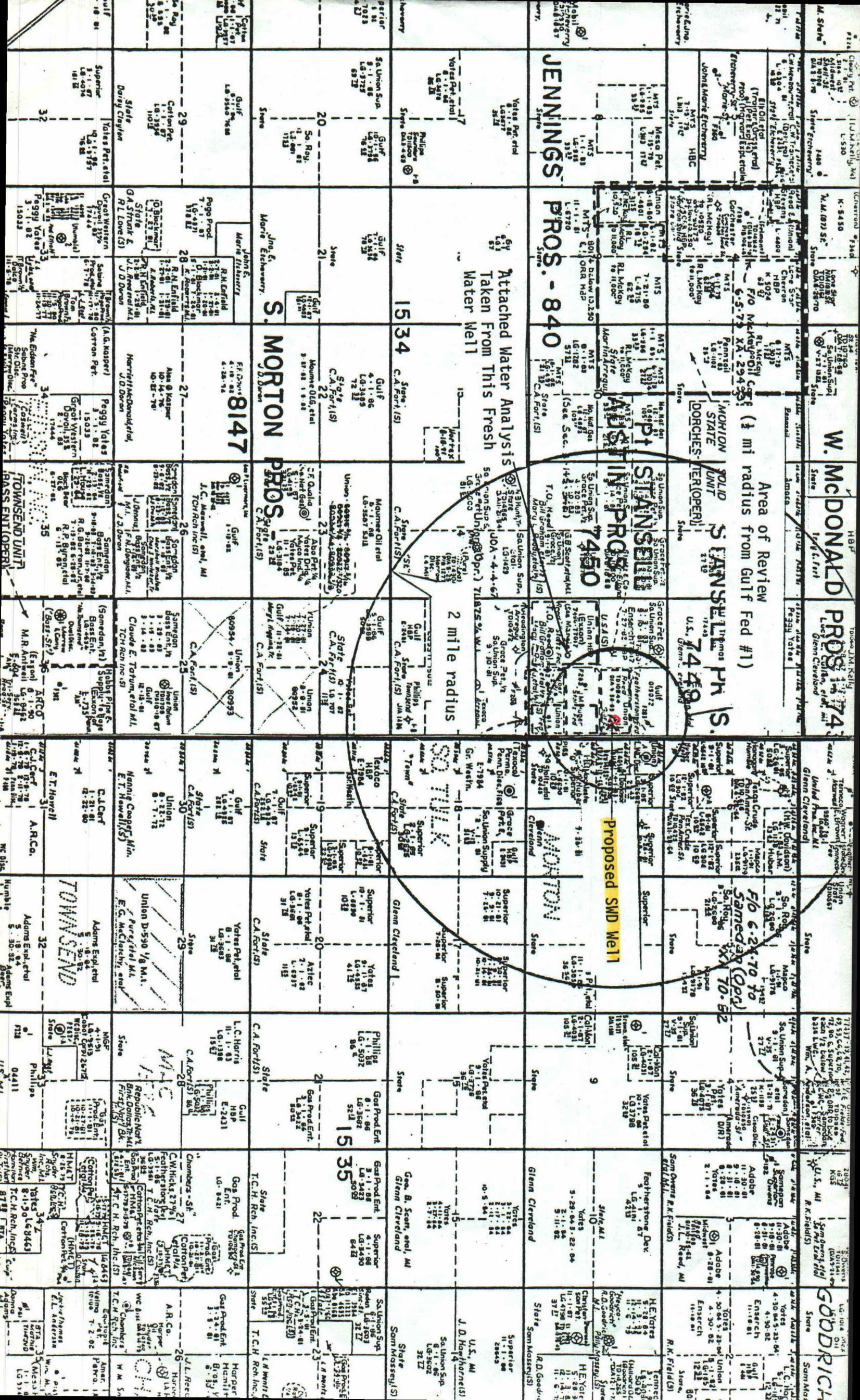
**MORTON PROS.**  
8147

**2 mile radius**

**SOULIX**

**MORTON**

**Proposed SMD Well**



WELLS LOCATED WITHIN 1/2 MILE RADIUS OF  
 THE UNION OIL COMPANY OF CALIFORNIA'S GULF FEDERAL 1-12  
 (660' FEL AND 1980' FNL, SECTION 12, T-15-S, R-34-E, LEA COUNTY, NEW MEXICO)  
 WHICH PENETRATED THE PROPOSED SMD INTERVAL IN THE UNION'S GULF FEDERAL 1-12

<u>Operator</u>	<u>Lease and Well Name</u>	<u>Location</u>	<u>Total Depth</u>	<u>Current Status</u>	<u>Remarks</u>
Cabot Corporation	New Mexico State "Q" No. 1	NW/4 of SW/4, Sec. 7 T-15-S, R-35-E	14,254'	PA	Schematic of PA wellbore attached
Gulf Oil Corporation	Featherstone Federal No. 1	NE/4 of NE/4, Sec. 12 T-15-S, R-34-E	10,450'	PA	Schematic of PA wellbore attached
J. M. Huber	Stoltz State No. 1	SW/4 of Sec. 6, T-15-S R-34-E	10,582'	SMD	Well data sheet is attached
J. M. Huber	Stoltz Federal No. 1	1980' FEL & 2130' FSL of Sec. 12, T-15-S, R-34-E	10,400'	Producing	Well data sheet is attached
J. M. Huber	James O'Neill No. 1	766' FNL & 1874' FNL of Sec. 7, T-15-S, R-34-E	10,500'	Producing	Well data sheet is attached
Stoltz and Company	Huber-Eiland No. 1	SE/4 of NW/4 of Sec. 12 T-15-S, R-34-E	10,600'	PA	Schematic of wellbore attached
Union Oil Co. of Calif.	Federal "A" No. 1	766' FSL & 766' FEL of Sec. 12, T-15-S, R-34-E	10,450'	Producing	Well data sheet is attached
Union Oil Co. of Calif.	State 1-7	660' FNL & 660' FNL of Sec. 12, T-15-S, R-34-E	10,700'	PA	Schematic of PA wellbore attached
Union Oil Co. of Calif.	Gulf Federal No. 1-12	1980' FNL & 660' FEL of Sec. 12, T-15-S, R-34-E	10,703'	PA & Ready for SMD	Schematic of wellbore attached

Cabot

New Mexico "Q" State

OPERATOR

LEASE

1	1980' FSL & 560' FWL	7	15S	35E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tabular Data

Surface Casing

Size 13 3/8" - 363' " Cemented with 350 sx.  
 TOC Circulated feet determined by \_\_\_\_\_  
 Hole size 17 1/2"

Intermediate Casing

Size 9 5/8" - 4630' " Cemented with 2500 sx.  
 TOC 520 feet determined by calculated  
 Hole size 12 1/2"

Long string

Size 5 1/2" " Cemented with 850 sx.  
 TOC 8750 feet determined by calculated  
 Hole size 8 3/4"  
 Total depth 14,254'

Injection interval

\_\_\_\_\_ feet to \_\_\_\_\_ feet  
 (perforated or open-hole, indicate which)

Spud 3-7-56  
 Completed 8-16-56  
 Respod 2-1-65  
 Recomplete 5-25-65

Now P & A

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
 \_\_\_\_\_ (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet  
 \_\_\_\_\_ (brand and model)

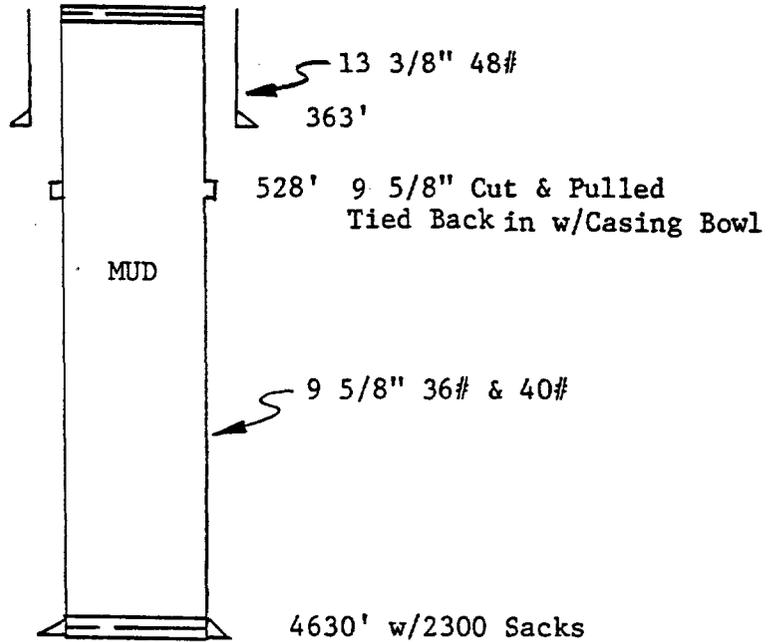
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of field or Pool (if applicable) \_\_\_\_\_
- Is this a new well drilled for injection?  Yes  No  
 If no, for what purpose was the well originally drilled? \_\_\_\_\_
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) \_\_\_\_\_
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. \_\_\_\_\_

NEW MEXICO Q STATE WELL NO. 1  
SECTION 7, TOWNSHIP 15S, RANGE 35E  
LEA COUNTY, NEW MEXICO

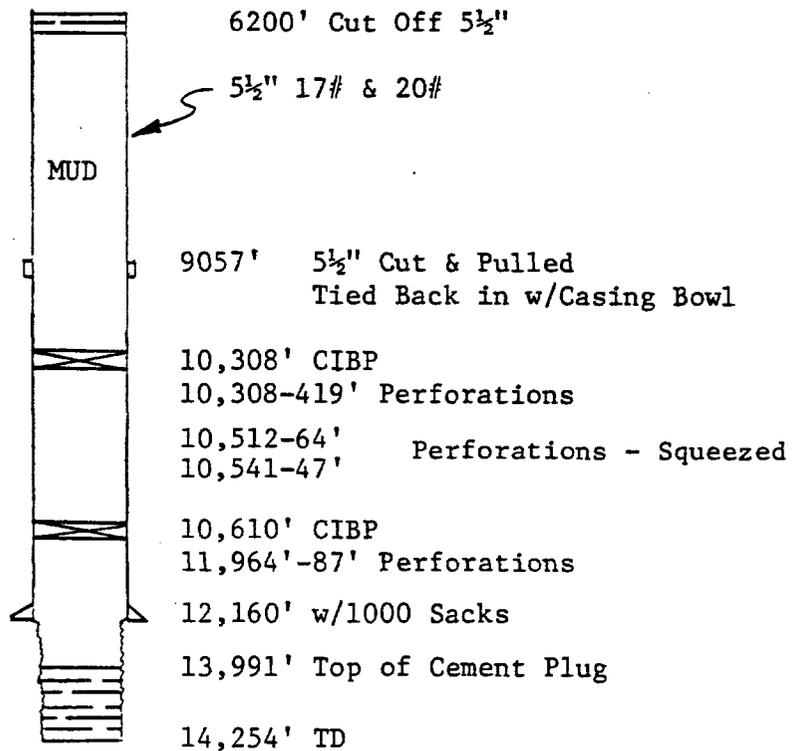
10 Sack Plug



25 Sack Plug



25 Sack Plug



Gulf Oil Corporation  
OPERATOR

Featherstone Federal  
LEASE

1 766 FNL & 554' FEL  
WELL NO. FOOTAGE LOCATION

12  
SECTION

15S  
TOWNSHIP

34E  
RANGE

Schematic

See Attached

Tabular Data

Surface Casing

Size 13 3/8" - 351' " Cemented with 375 sx.

TOC Circulated feet determined by \_\_\_\_\_

Hole size 17 1/2"

Intermediate Casing

Size 8 5/8" - 4596' " Cemented with 460 sx.

TOC 2425 feet determined by calculated

Hole size 11"

Long string

Size 5 1/2" " Cemented with 440 sx.

TOC 8110 feet determined by Temp Survey

Hole size 7 7/8"

Total depth 10,450 PBTD - 10,412'

Injection interval

\_\_\_\_\_ feet to \_\_\_\_\_ feet  
(perforated or open-hole, indicate which)

Spud 5-03-66

Complete 6-13-66

Perforations 10,337-10,339'

10,348-10,350'

10,366-10,370'

Now P & A

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a \_\_\_\_\_

(material)

\_\_\_\_\_ packer at \_\_\_\_\_ feet

(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation \_\_\_\_\_

2. Name of Field or Pool (if applicable) \_\_\_\_\_

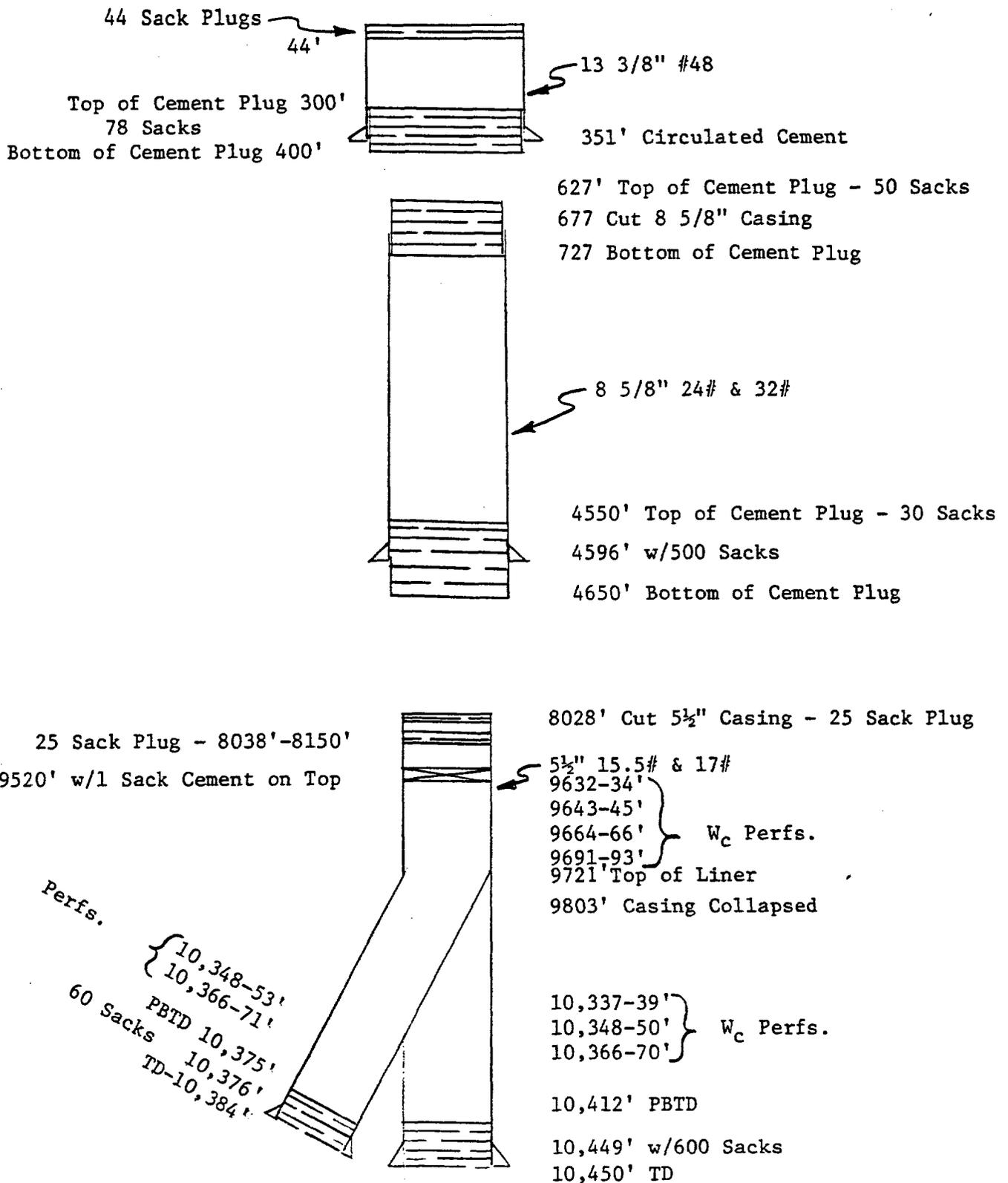
3. Is this a new well drilled for injection?  Yes  No

If no, for what purpose was the well originally drilled? \_\_\_\_\_

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) \_\_\_\_\_

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. \_\_\_\_\_

GULF OIL CORPORATION  
 FEATHERSTONE FEDERAL WELL NO. 1  
 SECTION 12, TOWNSHIP 15S, RANGE 34E



J.M. Huber

Stoltz State SWD

OPERATOR

LEASE

1

554' FSL & 554' FWL

6

15S

35E

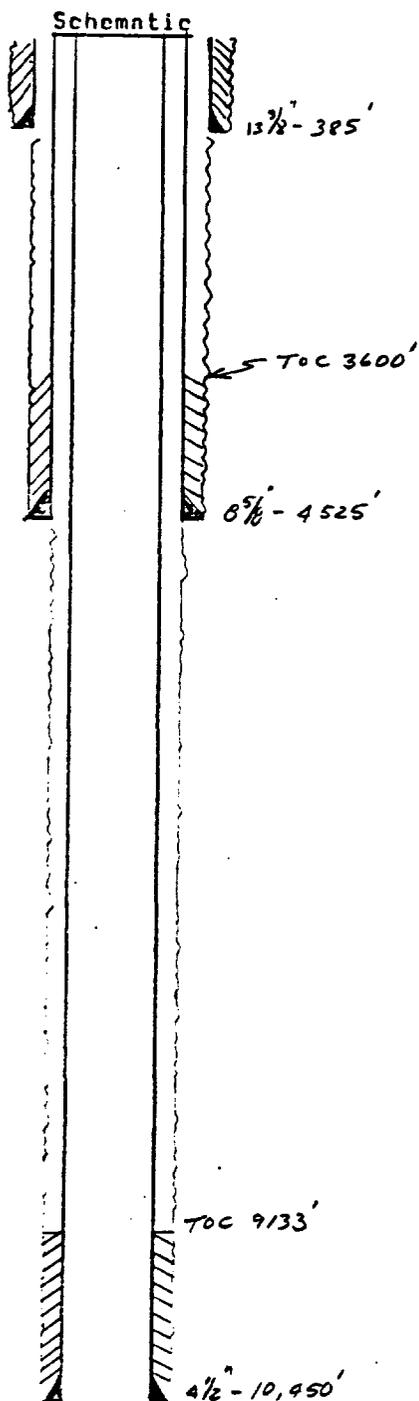
WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



Tabular Data

Surface Casing

Size 13 3/8" - 385' Cemented with 275 sx.

TOC Circulated feet determined by \_\_\_\_\_

Hole size 17"

Intermediate Casing

Size 8 5/8" - 4525' Cemented with 200 sx.

TOC 3600 feet determined by calculated

Hole size 12 1/4"

Long string

Size 4 1/2" - 10,450' Cemented with 250 sx.

TOC 9133 feet determined by calculated

Hole size 7 7/8"

Total depth 10,582 PBTD-6600'

Injection interval

4660 feet to 6404 feet  
(perforated or open-hole, indicate which)

Spud 3-30-66  
 Complete 5-17-66  
 Respud 2-13-81  
 Recomplete 2-21-81

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a \_\_\_\_\_  
 (material)  
 \_\_\_\_\_ packer at \_\_\_\_\_ feet  
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (if applicable) \_\_\_\_\_
- Is this a new well drilled for injection?  Yes  No  
 If no, for what purpose was the well originally drilled? \_\_\_\_\_
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) \_\_\_\_\_
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. \_\_\_\_\_

OPERATOR

LEASE

1

1980' FEL & 2130' FSL

12

15S

34E

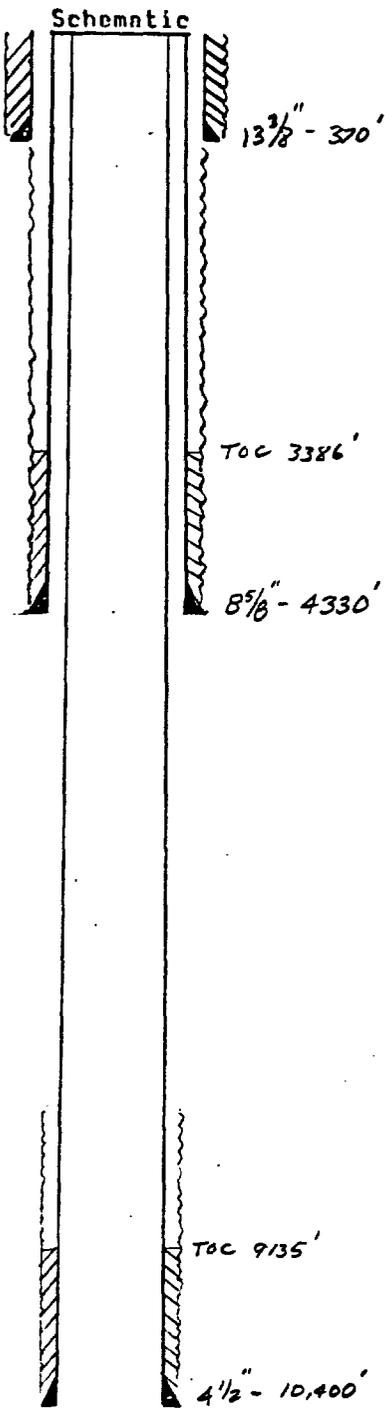
WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE



Tabular Data

Surface Casing

Size 13 3/8" - 370' " Cemented with 275 sx.

TOC Circulated \_\_\_\_\_ feet determined by \_\_\_\_\_

Hole size 17 1/2"

Intermediate Casing

Size 8 5/8" - 4330' " Cemented with 200 sx.

TOC 3386 feet determined by calculated

Hole size 11"

Long string

Size 4 1/2" - 10,400' " Cemented with 240 sx.

TOC 9135 feet determined by calculated

Hole size 7 7/8"

Total depth 10,400 PBD - 10,397'

Injection interval

\_\_\_\_\_ feet to \_\_\_\_\_ feet  
(perforated or open-hole, indicate which)

Spud 12-13-65  
Complete 01-30-66  
Perforations 10,242-10,388'  
Now Producing

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet  
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of field or Pool (if applicable) \_\_\_\_\_
- Is this a new well drilled for injection?  Yes  No  
If no, for what purpose was the well originally drilled? \_\_\_\_\_
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) \_\_\_\_\_
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. \_\_\_\_\_



Stoltz & Company, Inc.

Huber-Eiland

OPERATOR

LEASE

1 2086' FNL & 2086' FWL

12

15S

34E

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

Schematic

Tabular Data

See Attached

Surface Casing

Size 13 3/8" - 354' " Cemented with 400 sx.

TOC Circulated feet determined by \_\_\_\_\_

Hole size 17 1/2"

Intermediate Casing

Size 8 5/8" - 4588' " Cemented with 200 sx.

TOC 3815 Est. feet determined by Calc.

Hole size 11"

Long string

Size \_\_\_\_\_ " Cemented with \_\_\_\_\_ sx.

TOC \_\_\_\_\_ feet determined by \_\_\_\_\_

Hole size \_\_\_\_\_

Total depth \_\_\_\_\_

Injection interval

\_\_\_\_\_ feet to \_\_\_\_\_ feet  
(perforated or open-hole, indicate which)

Spud 7-20-68

Complete 8-18-68

Now P & A

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a  
(material)

\_\_\_\_\_ packer at \_\_\_\_\_ feet  
(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation \_\_\_\_\_

2. Name of Field or Pool (if applicable) \_\_\_\_\_

3. Is this a new well drilled for injection?  Yes  No

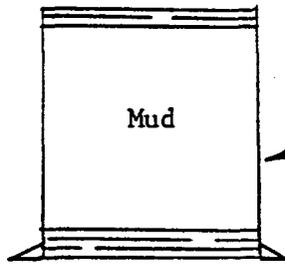
If no, for what purpose was the well originally drilled? \_\_\_\_\_

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) \_\_\_\_\_

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. \_\_\_\_\_

SECTION 12, TOWNSHIP 15S, RANGE 34E  
LEA COUNTY, NEW MEXICO

10 Sack Plug



13 3/8" 48#

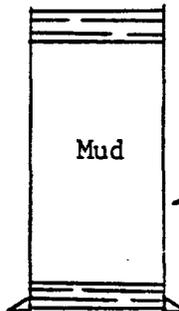
25 Sack Plug

354' w/400 Sks.-Circulated

Mud

25 Sack Plug

2010'-Cut Off 8 5/8"



8 5/8" 24# & 32#

25 Sack Plug

4588' w/200 Sks.

Mud

25 Sack Plug

5895'

Mud

25 Sack Plug

8025'

Mud

25 Sack Plug

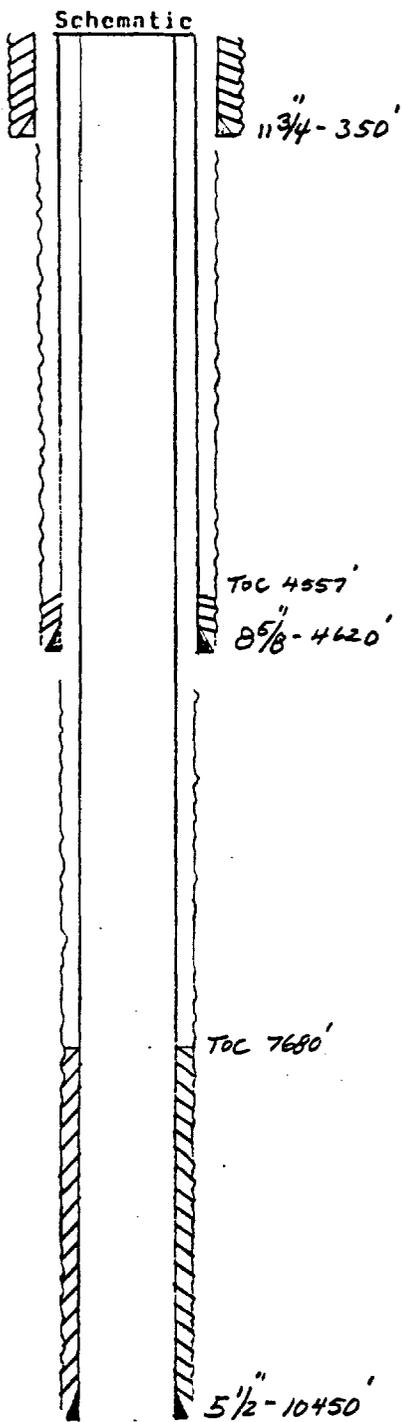
9917'

Mud

25 Sack Plug

10,600' TD

OPERATOR	LEASE		
1	766 FSL & 766 FEL	12	15S 34E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP RANGE



Tabular Data

Surface Casing

Size 11 3/4" - 350' " Cemented with 300 sx.

TOC Circulated feet determined by \_\_\_\_\_

Hole size 15"

Intermediate Casing

Size 8 5/8" - 4620' " Cemented with 400 sx.

TOC 4557 feet determined by Survey

Hole size 11"

Long string

Size 5 1/2" - 10,450' " Cemented with 400 sx.

TOC 7680 feet determined by Calculation

Hole size 7 7/8"

Total depth 10,450' - PBD - 10,419'

Injection interval

\_\_\_\_\_ feet to \_\_\_\_\_ feet  
(perforated or open-hole, indicate which)

Spud 6-26-66

Complete 8-02-66

Perforations 10,335-10,369' Wc

Now Producing

Tubing size \_\_\_\_\_ lined with \_\_\_\_\_ set in a \_\_\_\_\_  
(material)  
\_\_\_\_\_ packer at \_\_\_\_\_ feet  
(brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation \_\_\_\_\_
- Name of Field or Pool (if applicable) \_\_\_\_\_
- Is this a new well drilled for injection?  Yes  No  
If no, for what purpose was the well originally drilled? \_\_\_\_\_
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) \_\_\_\_\_
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. \_\_\_\_\_



STATE WELL NO. 1-7  
SECTION 7, TOWNSHIP 15S, RANGE 35E  
LEA COUNTY, NEW MEXICO

Top of Cement Plug Surface

20 Sacks

Bottom of Cement Plug 36'

Top of Cement Plug 233'

75 Sacks

Bottom of Cement Plug 368'

Top of Cement Plug 1383'

75 Sacks

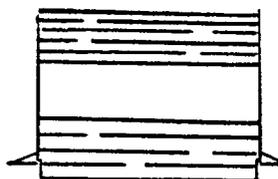
Bottom of Cement Plug 1500'

Top of Cement Plug 4476'

50 Sacks

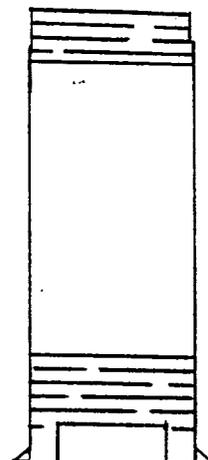
Bottom of Cement Plug 4620'

Top of Cement Plug 10,264'



11 3/4" 42#

352 Cement Circulated



1496' Cut 8 5/8" Casing

8 5/8" 24# & 32#

4620' Cut 5 1/2" Casing

4626' w/550 Sacks

8822' Top of Cement

5 1/2" 15.5# & 17#

10,300 CIBP w/36' Cement on Top

10,383-391' Perfs

10,618' ETD

10,700' w/400 Sacks

OPERATOR		LEASE		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
1-12	1980 FNL & 660 FEL	12	15S	34E

Schematic

See Attached

Tabular DataSurface CasingSize 11 3/4" - 376' " Cemented with 300 sx.TOC Circulated feet determined by -Hole size 15"Intermediate CasingSize 8 5/8" - 4621' " Cemented with 500 sx.TOC 2575' feet determined by CalculationHole size 11"Long stringSize 5 1/2" - 10,703' " Cemented with 400 sx.TOC 7000 feet determined by CalculationHole size 7 7/8"Total depth 10,703'Injection intervalSee Below          feet to          feet  
(perforated or open-hole, indicate which)

4621 - 5610 Open Hole

5855 - 6583 Perforated

Tubing size 2 3/8" lined with Plastic Applicators 501 set in a  
(material)Guiberson Unipacker VI packer at 4500 feet  
(brand and model)

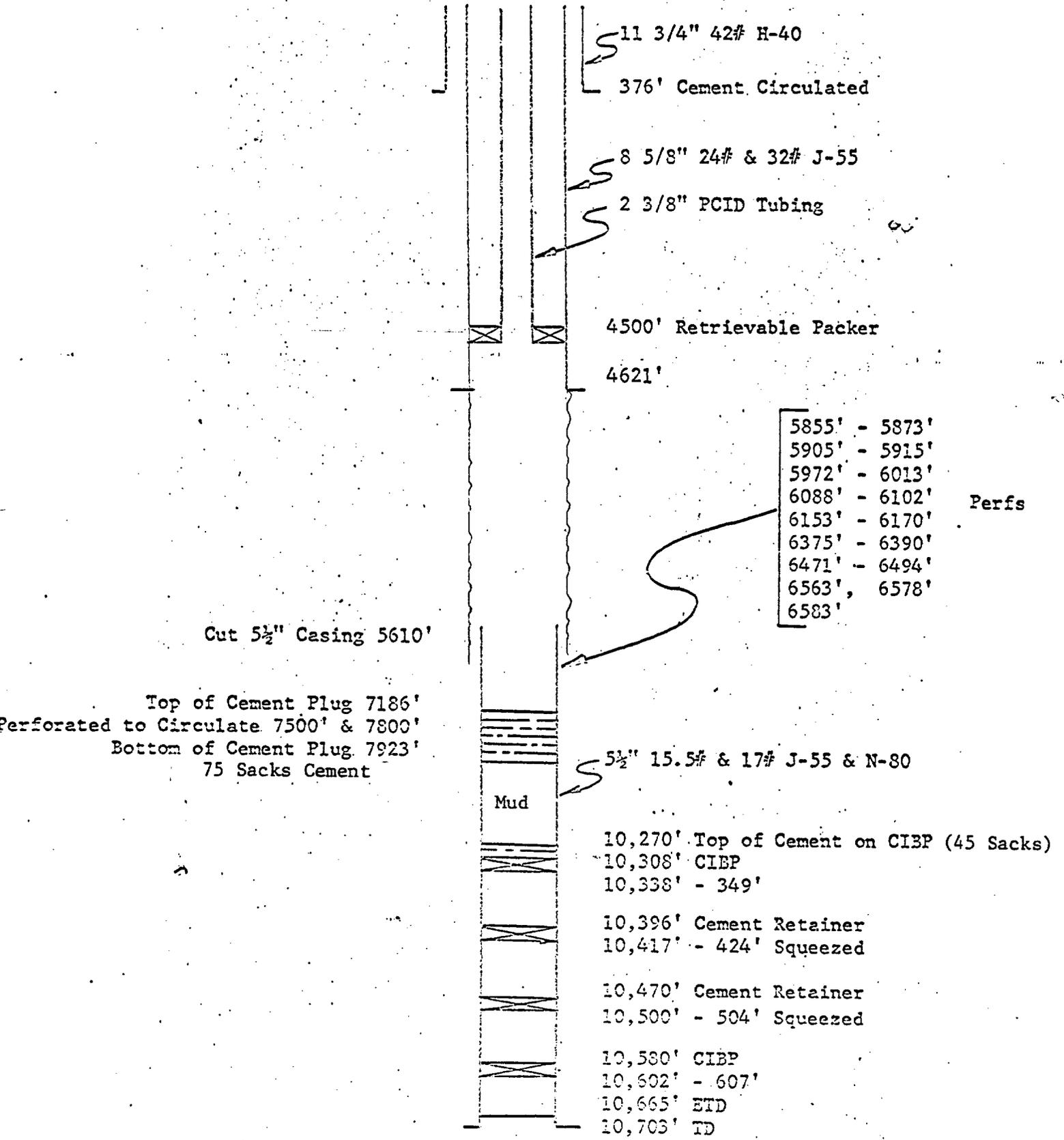
(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation San Andres
- Name of Field or Pool (if applicable) Not Applicable
- Is this a new well drilled for injection?  Yes  No  
If no, for what purpose was the well originally drilled? Producer from the Lower  
Wolfcamp Well was depleted and P & A
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) See Attached
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Overlying - None that we know of

Underlying - Lower Wolfcamp - 10,338'

GULF FEDERAL WELL NO. 1-12  
MORTON LOWER WOLFCAMP FIELD  
LEA COUNTY, NEW MEXICO



Cut 5 1/2" Casing 5610'

Top of Cement Plug 7186'  
Perforated to Circulate 7500' & 7800'  
Bottom of Cement Plug 7923'  
75 Sacks Cement

5855'	-	5873'
5905'	-	5915'
5972'	-	6013'
6088'	-	6102'
6153'	-	6170'
6375'	-	6390'
6471'	-	6494'
6563'	-	6578'
6583'		

Perfs

5 1/2" 15.5# & 17# J-55 & N-80

10,270' Top of Cement on CIBP (45 Sacks)  
10,308' CIBP  
10,338' - 349'  
10,396' Cement Retainer  
10,417' - 424' Squeezed  
10,470' Cement Retainer  
10,500' - 504' Squeezed  
10,580' CIBP  
10,602' - 607'  
10,665' ETD  
10,703' TD

PERFORATIONS AND PLUGGING DETAIL

Perforations

10,602' - 10,607'

10,500' - 10,504'

10,417' - 10,424'

10,338' - 10,349'

7500' and 7800'

5855' - 6583'

5½" Casing cut off at 5610'

Plugging Detail

Isolated with a CIBP  
set at 10,580'

Squeezed with a Cement  
Retainer at 10,470'

Squeezed with a Cement  
Retainer at 10,396'

Isolated with a CIBP  
set at 10,308' with 38'  
of Cement on Top of BP

Perforated to Circulate  
a Cement Plug between  
7186' and 7923'

Open for Disposal

UNION OIL GULF-FEDERAL #1-12 GEOLOGIC SUMMARY

VIII. The proposed injection zones in the Union Oil Gulf-Federal #1-12, Sec. 12, T-15-S, R-34-E, are in the San Andres and "Glorieta" Formations of the Guadalupian series of Permian age. The top of the San Andres is at 4582' (509) and the base of the underlying "Glorieta" at 6738' (2665). The proposed injection zones are in the interval from 5855' to 6583'. This 728-foot section of lower Guadalupian rocks is in the back reef facies. The proposed injections are in tan to brown, finely crystalline limestones and dolomites containing some shales and anhydrites. Impermeable shale zones overlie and underlie all proposed injection zones. The only known possible sources of drinking water in the area are at relative shallow depths, less than 2000 feet, in the Santa Rosa and Ogallala Formations of Tertiary age. There is no evidence of faulting in the area which would cause these possible drinking water sources to be contaminated by any injections of salt water in the proposed intervals.



# REPORT OF WATER ANALYSIS

Company UNION OIL OF CALIFORNIA

Date

Analysis No.

Sampling Date

Date Sample Rec'd.

Sample Marked WATER WELL AT ABANDONED RANCH HOUSE - MORTON FIELD

**DISSOLVED SOLIDS**

**RESULTS AS COMPOUNDS .**

Cations	mg/l	meq/l		mg/l
Sodium, Na (Calc.)	25.	1.1	as NaCl	210.
Calcium, Ca	84.	4.2	as CaCO <sub>3</sub>	70.
Magnesium, Mg	17.	1.4	as CaCO <sub>3</sub>	
Barium, Ba			as BaSO <sub>4</sub>	
<b>Cations Total</b>	<b>126.</b>	<b>6.7</b>		
<b>Anions</b>				
Chloride, Cl	42.	1.2	as NaCl	70.
Sulfate, SO <sub>4</sub>	84	1.7	as Na <sub>2</sub> SO <sub>4</sub>	124.
Carbonate, CO <sub>3</sub>			as CaCO <sub>3</sub>	190.
Bicarbonate, HCO <sub>3</sub>	232.	3.8	as CaCO <sub>3</sub>	
<b>Anions Total</b>	<b>358.</b>	<b>6.7</b>		
<b>Total Dissolved Solids (Calc.)</b>	<b>484.</b>			
Total Iron, Fe	0.15		as Fe	0.15
Acidity to Phenolphthalein, CO <sub>2</sub>	13.		as CaCO <sub>3</sub>	30.

**OTHER PROPERTIES**

pH	7.3
Specific Gravity	
Turbidity (JTU)	

**CaCO<sub>3</sub> STABILITY INDEX**

@ 70° F.  
 @ 120° F.  
 @ 160° F.  
 Method of Stiff & Davis

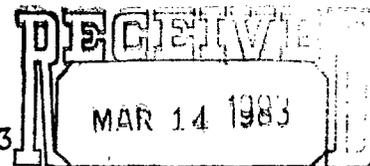
Remarks:

GARY GERMER

**NALCO CHEMICAL COMPANY  
 VISCO CHEMICALS**

P. O. BOX 87 • SUGAR LAND, TEXAS 77478

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



February 8, 1983

OIL CONSERVATION DIVISION  
SANTA FE

Midland District

Cabot Corporation  
P. O. Box 5001  
Pampa, Texas 79065

Gentlemen:

SUBJECT:

Conversion of Union Oil Company of  
California's Gulf Federal Well No. 1-12  
to a Produced Water Disposal Well

This is notification to you, as a leasehold operator within one-half mile of the subject well's location, that Union Oil Company of California proposes to convert the Gulf Federal Well No. 1-12, Section 12, T-15-S, R-34-E, Lea County, New Mexico, to a produced water disposal well. Attached are copies of the applications for authorization to inject. Any objections or requests for hearing of administrative applications must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501, within 15 days from the date this application was mailed to you.

Very truly yours,

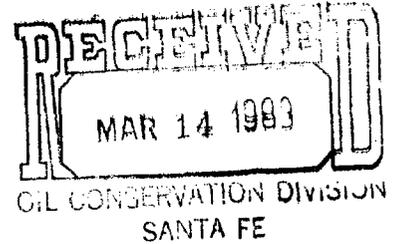
A handwritten signature in cursive script, appearing to read "L. H. Pardue".

L. H. Pardue  
District Production Superintendent

LHP:pd

Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



February 8, 1983

Midland District

Gulf Oil Corporation  
P. O. Box 670  
Hobbs, New Mexico 88240

Gentlemen:

SUBJECT:

Conversion of Union Oil Company of  
California's Gulf Federal Well No. 1-12  
to a Produced Water Disposal Well

This is notification to you, as a leasehold operator within one-half mile of the subject well's location, that Union Oil Company of California proposes to convert the Gulf Federal Well No. 1-12, Section 12, T-15-S, R-34-E, Lea County, New Mexico, to a produced water disposal well. Attached are copies of the applications for authorization to inject. Any objections or requests for hearing of administrative applications must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501, within 15 days from the date this application was mailed to you.

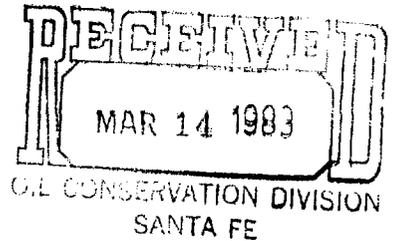
Very truly yours,

A handwritten signature in cursive script that reads "L. H. Pardue".

L. H. Pardue  
District Production Superintendent

LHP:pd

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



February 8, 1983

Midland District

Stoltz & Company  
% Oil Reports & Gas Service  
Box 763  
Hobbs, New Mexico 88240

Gentlemen:-

SUBJECT:

Conversion of Union Oil Company of  
California's Gulf Federal Well No. 1-12  
to a Produced Water Disposal Well

This is notification to you, as a leasehold operator within one-half mile of the subject well's location, that Union Oil Company of California proposes to convert the Gulf Federal Well No. 1-12, Section 12, T-15-S, R-34-E, Lea County, New Mexico, to a produced water disposal well. Attached are copies of the applications for authorization to inject. Any objections or requests for hearing of administrative applications must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501, within 15 days from the date this application was mailed to you.

Very truly yours,

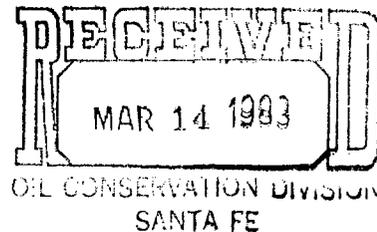
A handwritten signature in cursive script that reads "L. H. Pardue".

L. H. Pardue  
District Production Superintendent

LHP:pd

Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



February 8, 1983

Midland District

Huber Corporation  
1900 Wilco Building  
Midland, Texas 79701

Gentlemen:

SUBJECT:

Conversion of Union Oil Company of  
California's Gulf Federal Well No. 1-12  
to a Produced Water Disposal Well

This is notification to you, as a leasehold operator within one-half mile of the subject well's location, that Union Oil Company of California proposes to convert the Gulf Federal Well No. 1-12, Section 12, T-15-S, R-34-E, Lea County, New Mexico, to a produced water disposal well. Attached are copies of the applications for authorization to inject. Any objections or requests for hearing of administrative applications must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501, within 15 days from the date this application was mailed to you.

Very truly yours,

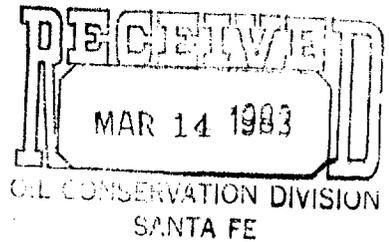
A handwritten signature in cursive script, appearing to read "L. H. Pardue".

L. H. Pardue  
District Production Superintendent

LHP:pd

Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



Midland District

February 8, 1983

Ms. Mary Lee Roddy  
5240 18th Street  
Lubbock, Texas 79416

Dear Ms. Roddy:

This is notification to you, as owner of the surface land, that Union Oil Company of California proposes to convert the Gulf Federal 1-12, Section 12, T-15-S, R-34-E, Lea County, New Mexico, to a produced water disposal well. Attached are copies of the applications for authorization to inject. Any objections or requests for hearing of administrative applications must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501, with 15 days from the date this application was mailed to you.

Very truly yours,

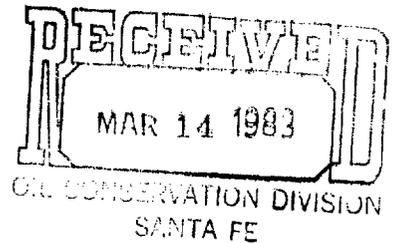
A handwritten signature in cursive script, appearing to read "L. H. Pardue".

L. H. Pardue  
District Production Superintendent

LHP:pd

Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



Midland District

February 8, 1983

Ms. Ruth Ann Roddy Shapiro  
14623 Round Valley Drive  
Sherman Oaks, California 91403

Dear Ms. Shapiro:

This is notification to you, as owner of the surface land, that Union Oil Company of California proposes to convert the Gulf Federal 1-12, Section 12, T-15-S, R-34-E, Lea County, New Mexico, to a produced water disposal well. Attached are copies of the applications for authorization to inject. Any objections or requests for hearing of administrative applications must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501, with 15 days from the date this application was mailed to you.

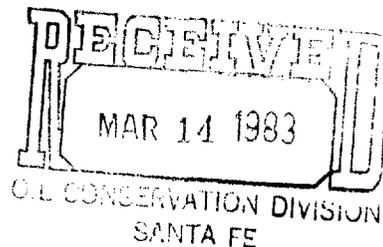
Very truly yours,

  
L. H. Pardue  
District Production Superintendent

LHP:pd

Union Oil and Gas Division: Central Region

Union Oil Company of California  
500 North Marienfeld, Midland, Texas 79701  
P.O. Box 671, Midland, Texas 79702  
Telephone (915) 682-9731



Midland District

February 8, 1983

Ms. Mary Lee Roddy Reeves  
8 Crestview Lakes  
Wichita, Kansas 67220

Dear Ms. Reeves:

This is notification to you, as owner of the surface land, that Union Oil Company of California proposes to convert the Gulf Federal 1-12, Section 12, T-15-S, R-34-E, Lea County, New Mexico, to a produced water disposal well. Attached are copies of the applications for authorization to inject. Any objections or requests for hearing of administrative applications must be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501, with 15 days from the date this application was mailed to you.

Very truly yours,

*L. H. Pardue*  
L. H. Pardue  
District Production Superintendent

LHP:pd

W A I V E R

As surface owner/owners of Union Oil Company of California's Gulf Federal No. 1 well, located 1980' FNL and 660' FEL of Section 12, T-15-S, R-34-E, Lea County, New Mexico, I/We waive objection to their application to dispose of salt water by injection into the San Andres and Glorietta formations of this well.

DATE

January 10 1983

Mary Lee Roddy  
MARY LEE RODDY, Co-Trustee Under Trust Agreement dated September 22, 1975, and as Trustee for the Ruth Ann Roddy Shapiro Trust and the Mary Lee Roddy Reeves Trust

DATE

January 27, 1983

Ruth Ann Roddy Shapiro  
RUTH ANN RODDY SHAPIRO, Co-Trustee Under Trust Agreement dated September 22, 1975.

DATE

Jan. 18, 1983

Mary Lee Roddy Reeves  
MARY LEE RODDY REEVES, Co-Trustee Under Trust Agreement dated September 22, 1975.

API WATER ANALYSIS REPORT FORM

Company Union Oil Company of California		Sample No. 15052	Date Sampled 9-21-79	
Field	Legal Description	County or Parish Levelland	State Texas	
Lease or Unit Federal-Bluitt	Well #17-1	Depth	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point		Sampled By Tubb

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	41,906	1,822
Calcium, Ca	24,800	1,240
Magnesium, Mg	5,832	478
Barium, Ba		

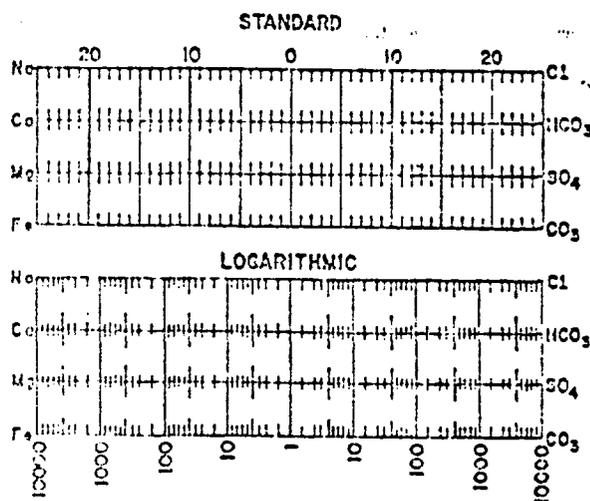
ANIONS	mg/l	me/l
Chloride, Cl	124,980	3,521
Sulfate, SO <sub>4</sub>	700	15
Carbonate, CO <sub>3</sub>		
Bicarbonate, HCO <sub>3</sub>	244	4

Total Dissolved Solids (calc.)	198,462
Iron, Fe (total)	3.0
Sulfide, as H <sub>2</sub> S	Pos.

OTHER PROPERTIES

pH	5.67
Specific Gravity, 60/60 F.	1.175
Resistivity (ohm-meters) _____ F.	

WATER PATTERNS — me/l



REMARKS & RECOMMENDATIONS:

Stangle - Spradlin - Carver

Tubb - Trompke - Gray - Voitle - File

Water Analysis Run By

Ray Shaffner (Tretolite Lab.)



**BAROID DIVISION**  
 NL Industries, Inc.  
 P.O. Box 1675 Houston, Texas 77001

**WATER ANALYSIS TEST REPORT**

**BAROID TREATING CHEMICALS**

					SHEET NUMBER		
COMPANY <b>Union Oil of Calif.</b>					DATE <b>2-6-79</b>		
FIELD				COUNTY OR PARISH <b>Lea</b>		STATE <b>N.M.</b>	
LEASE OR UNIT <b>Morten Fed. A</b>		WELL(S) NAME OR NO. <b>#1</b>		WATER SOURCE (FORMATION) <b>wellhead</b>			
DEPTH, FT.	BHT, F	SAMPLE SOURCE	TEMP, F	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY	
TYPE OF OIL		API GRAVITY <b>0</b>	TYPE OF WATER <input type="checkbox"/> PRODUCED WATER <input type="checkbox"/> INJECTION WATER    OTHER _____				

**WATER ANALYSIS PATTERN**  
 (NUMBER BESIDE ION SYMBOL INDICATES me/l \* SCALE UNIT)

Na <sup>+</sup> 20	15	10	5	0	5	10	15	20	Cl <sup>-</sup>
Ca <sup>++</sup>									HCO <sub>3</sub> <sup>-</sup>
Mg <sup>++</sup>									SO <sub>4</sub> <sup>=</sup>
Fe <sup>+++</sup>									CO <sub>3</sub> <sup>=</sup>

DISSOLVED SOLIDS

CATIONS	me/l *	mg/l *
Total Hardness	92	_____
Sodium, Na <sup>+</sup> (calc.)	683	15709
Calcium, Ca <sup>++</sup>	54	1080
Magnesium, Mg <sup>++</sup>	38	463
Iron (Total), Fe <sup>+++</sup>	_____	_____
<u>ANIONS</u>		
Chloride, Cl <sup>-</sup>	676	24000
Sulfate, SO <sub>4</sub> <sup>=</sup>	70	3375
Carbonate, CO <sub>3</sub> <sup>=</sup>	_____	_____
Bicarbonate, HCO <sub>3</sub> <sup>-</sup>	23.1	1409.1
Hydroxyl, OH <sup>-</sup>	_____	_____
Sulfide, S <sup>=</sup>	6.2	100
Phosphate - Meta, PO <sub>3</sub> <sup>=</sup>	_____	_____
Phosphate - Ortho, PO <sub>4</sub> <sup>=</sup>	_____	_____
Ba	_____	13

DISSOLVED GASES

Hydrogen Sulfide, H <sub>2</sub> S	_____	mg/l *
Carbon Dioxide, CO <sub>2</sub>	_____	mg/l *
Oxygen, O <sub>2</sub>	_____	mg/l *

PHYSICAL PROPERTIES

pH	7.3	_____
Eh (Redox Potential)	_____	MV
Specific Gravity	_____	_____
Turbidity, JTU Units	_____	_____
Total Dissolved Solids (Calc.)	46149	mg/l *
Stability Index @ 68 F	+0.67	_____
	@ 122 F	+1.36
CaSO <sub>4</sub> Solubility @ 68 F	65.96	mg/l *
	@ 104 F	67.84
Max. CaSO <sub>4</sub> Possible (Calc.)	54	mg/l *
Max. BaSO <sub>4</sub> Possible (Calc.)	_____	mg/l *
Residual Hydrocarbons	_____	ppm (Vol/Vol)

SUSPENDED SOLIDS (QUALITATIVE)

Iron Sulfide     Iron Oxide     Calcium Carbonate     Acid Insoluble

REMARKS AND RECOMMENDATIONS:

\* NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

Complete water analysis & Barium

ENGINEER <b>Taylor</b>	DIST. NO. <b>21</b>	ADDRESS <b>Box 1697, Hobbs</b>	OFFICE PHONE <b>393-3938</b>	HOME PHONE _____
TESTED BY _____	DATE _____	DISTRIBUTION <input type="checkbox"/> CUSTOMER	<input type="checkbox"/> AREA OR	<input type="checkbox"/> DISTRICT OFFICE

before midnight tonight, Carnival will have seen 54 gaudy, gay parades of papier mache floats and brass bands that so-called krewes, a cute spelling of crews, put on in the New Orleans area. To the east, officials in Mobile, Ala., said 50,000 people would attend that city's activities.

In New Orleans, each krewe has its own royalty, but the two disputed leaders are Rex and masked King of Comus, who close the festivities at midnight by toasting each other at balls in the municipal auditorium.

Longtime residents steered themselves for the annual parade.

"At 80 years of age, I can't live much of a good time but I'm happy to see it," said M. G. Barron deBaroncelli, who judged groceries to his apartment the quarter on Monday.

"I never miss Mardi Gras, though it's not as much fun as was when I was a young man and we danced in the street. So many people now and they're all excited, agitated." Commercially, this Mardi Gras has been a disappointment. Sidewalk vendors and profits were down. Tour-

**LEGAL NOTICE IN THE PROBATE COURT OF LEA COUNTY, STATE OF NEW MEXICO**

**IN THE MATTER OF THE COILLARY ESTATE OF HENRY GRAHAM PEVELER, deceased.** No. 4824

**NOTICE TO CREDITORS**

NOTICE IS HEREBY GIVEN that the undersigned has been appointed Personal Representative of the Estate of HENRY GRAHAM PEVELER, deceased. All persons having claims against such estate are required to present their claims within two months after the date of the first publication of this notice or the claims will be forever barred. Claims must be presented to the undersigned Personal Representative at the address shown below or filed with the Lea County, New Mexico, Probate Court, Lea County Courthouse, Lovington, New Mexico, as required and provided by law.

DATED: January 26, 1983.

Personal Representative  
Zella Peveler  
% Merrill L. Norton-Attorney,  
P.O. Box 1587, 200 S. 2nd Ave., Lovington, New Mexico 8260.

Published in the Lovington Daily Leader February 15, and 2, 1983.

By RANDALL HACKLEY  
Associated Press Writer  
EL PASO, Texas (AP) — The FBI has been asked to investigate the shooting of two military officers in a Fort Bliss nightclub by three robbers wearing gas masks and Army camouflage uniforms, authorities say.

The robbers also pistol-whipped a barmaid early Monday and escaped despite the sealing of base gates where about 22,000 Army personnel reside.

The FBI will help investigate the shootings because the three

**LEGAL NOTICE IN THE DISTRICT COURT OF LEA COUNTY, STATE OF NEW MEXICO**

**FIDELITY SAVINGS & LOAN ASSOC., of LEA COUNTY, Plaintiff, vs. STEVEN O. GONZALES et. ux., Defendants,**

No. CV-82-658

**NOTICE OF SPECIAL MASTER'S SALE**

NOTICE IS HEREBY GIVEN that pursuant to the Decree of Foreclosure of the District Court entered in the above entitled cause, in favor of the above Plaintiff and against the Defendants, for the sum of \$16,521.84, in favor of Valley Savings & Loan Association, a corporation, on its first mortgage; and due Fidelity Savings & Loan Association of Lea County, New Mexico, \$19,907.99 its second mortgage, plus costs of this sale.

Pursuant to the judgment and decree of said Court, Valley Savings & Loan Association, a corporation and the Plaintiff's each has a lien against the following property in Lea County, New Mexico, to-wit:

Lot Four (4), Block Six (6) Second Unit, Alice Addition to the City of Lovington in the total amount above set forth; and I have been ordered by said judgment to sell at public sale the property and premises hereinabove described to satisfy said judgment.

NOW, THEREFORE, NOTICE IS HEREBY GIVEN that on the 31st day of March, 1983 at ten o'clock A.M. of said date, at the West door of the Lea County Courthouse, Lovington, New Mexico, I will offer for sale to the highest bidder for cash the above described property and premises situate and being in Lea County, New Mexico.

Harvey C. Markley  
Special Master

Published in the Lovington Daily Leader February 15, 22, March 1, and 8, 1983.

gunmen were foolish enough to "invade the Army" on federal property at Fort Bliss, base spokesman Capt. Dennis Prevost said.

Military policeman Edward J. Muszkiewicz was seriously wounded by a point-blank shot, gun blast to his arm at the Del Norte Club for non-commissioned officers. Sgt. Eugene

**LEGAL NOTICE STATE OF NEW MEXICO IN THE DISTRICT COURT COUNTY OF LEA**

**IN THE MATTER OF THE ESTATE OF BYRON C. DICKINSON, Deceased.** PROBATE No. PB-79-25

**NOTICE TO CREDITORS**

NOTICE IS HEREBY GIVEN that the undersigned has been appointed personal representative of this estate. All persons having claims against this estate are required to present their claims within two months after the date of the first publication of this Notice or the claims will be forever barred. Claims must be presented either to the undersigned personal representative at 3903 Buena Vista, Dallas, Texas 75204 or filed with the District Court.

DATED: February 2, 1983.

Helen C. Dickinson  
3903 Buena Vista  
Dallas, Texas 75204

Published in the Lovington Daily Leader February 15, and 22, 1983.

**LEGAL NOTICE**

To Whom It May Concern:

Union Oil Company of California proposes to convert the following well to a produced water disposal well:

Gulf Federal Well No. 1-12; Sec. 12, T-15-S, R-34-E, 1980 FNL and 680' FEL, Lea County, New Mexico.

The intended purpose of the injection well is to accept lower Wolfcamp produced water in the San Andres formation at a depth between 4621' and 6585'. The estimated maximum injection pressure and rate will be 900 psi and 1000 BPD, respectively. Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, within 15 days from the date of this publication.

For further information, contact Lon Pardue at Union Oil Company of California, P.O. Box 671, Midland, Texas 79701, or telephone (915) 682-9731.

Published in the Lovington Daily Leader February 15, 1983.

gas masks barged into the club just before closing hours.

The robbers surprised barmaid Helen Towers as she was walking to Hillard's office, struck her with a gun and "knocked her out," Prevost said.

The gunmen then herded Hillard into the manager's office where the safe was.

**SELF-STORAGE UNITS**

NEW SELF STORAGE FACILITY — Now renting 5x5 thru 10x30. Fireproof construction, security fenced, with resident manager. 1100 N. Love. Phone 396-7077. A-1 SELF STORAGE.

Storage for rent. Conventional location 5x10 (18.00) to 10x20 (40.00) monthly. Call White Home and Auto -- 8:00 a.m. to 6:00 p.m. 396-4815. After 6 p.m. 396-4292.

West Ben and East Ave. D No deposit -- lowest rates. Sizes 5x10 thru 10x30. Call 396-2310 after 5 p.m. or weekends.

**MOBILE HOMES**

FOR RENT — Mobile home spaces for all sizes up to 80 feet. \$65 a month and water paid. S & K Real Estate. 396-6361.

For Sale — 1982 14 x 80 NuWay mobile home. Masonite siding, pitched roof, 3 bedrooms, 2 bath, split level, ceiling fan, garden tub, completely furnished. Owner will carry part of equity or take trade. 396-6941.

New mobile home spaces. Large lot \$70 a month. Small lot \$60 a month. 396-3724.

Mobile home for sale — 14 x 70 three bedroom, two bath. Melody. Land and storage building included. Located in Lovington City Limits. Call 396-6291 or evenings 396-7324.

Mobile Home For Sale — 14 x 80 raised front kitchen 1980 model. Brock. Call 396-4391 or evenings 396-7324.

FOR SALE — 1980 Brock 14 x 80 three bedroom, two bath mobile home, \$2,500 equity, take up payments of \$289, insurance included. 396-7076.

GOOD, little or no credit? Call us about buying a new home for less than \$200 monthly. FREE delivery and set-up. Call 396-592-8066. Oasis Mobile Homes, Denver City, Texas.

I hereby certify that the above Legal Notice was published in the Lovington Daily Leader, Section II, Page 2, February 15, 1983.

*Lon H. Pardue*  
Lon H. Pardue  
District Production Superintendent  
Union Oil Company of California

P 220 602 852

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

SENT TO			
Mary Lee Roddy Reeves			
STREET AND NO.			
8 Crestview Lakes			
P.O., STATE AND ZIP CODE			
Wichita, Kansas 67220			
POSTAGE	\$		
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	c	
	OPTIONAL SERVICES	SPECIAL DELIVERY	c
		RESTRICTED DELIVERY	c
		RETURN RECEIPT SERVICE	c
	OPTIONAL SERVICES	SHOW TO WHOM AND DATE DELIVERED	c
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	c
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
RETURN RECEIPT SERVICE	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c	
TOTAL POSTAGE AND FEES	\$		
POSTMARK OR DATE			
FEB 24 1983 LAN			

PS Form 3800, Apr. 1976

P 220 602 851

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

SENT TO			
Ruth Ann Roddy Shapiro			
STREET AND NO.			
14623 Round Valley Drive			
P.O., STATE AND ZIP CODE			
Sherman Oaks, CA 91403			
POSTAGE	\$		
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	c	
	OPTIONAL SERVICES	SPECIAL DELIVERY	c
		RESTRICTED DELIVERY	c
		RETURN RECEIPT SERVICE	c
	OPTIONAL SERVICES	SHOW TO WHOM AND DATE DELIVERED	c
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	c
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
RETURN RECEIPT SERVICE	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c	
TOTAL POSTAGE AND FEES	\$		
POSTMARK OR DATE			
FEB 24 1983 LAN			

PS Form 3800, Apr. 1976

P 220 602 850

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

SENT TO			
Ms. Mary Lee Roddy			
STREET AND NO.			
5240 18th Street			
P.O., STATE AND ZIP CODE			
Lubbock, Texas 79416			
POSTAGE	\$		
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	c	
	OPTIONAL SERVICES	SPECIAL DELIVERY	c
		RESTRICTED DELIVERY	c
		RETURN RECEIPT SERVICE	c
	OPTIONAL SERVICES	SHOW TO WHOM AND DATE DELIVERED	c
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	c
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
RETURN RECEIPT SERVICE	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c	
TOTAL POSTAGE AND FEES	\$		
POSTMARK OR DATE			
FEB 24 1983 LAN			

PS Form 3800, Apr. 1976

P 220 602 863

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

SENT TO	
Cabot Corporation	
STREET AND NO.	
P. O. Box 5001	
P.O., STATE AND ZIP CODE	
Pampa, Texas 79065	
POSTAGE	\$ 1.22
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	75¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	60¢
SHOW TO WHOM AND DATE DELIVERED	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES	\$ 2.57
POSTMARK OR DATE	
MIDLAND TEXAS FEB 24 1983 USPO	

PS Form 3800, Apr. 1976

P 220 602 847

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

SENT TO	
Gulf Oil Corporation	
STREET AND NO.	
P. O. Box 670	
P.O., STATE AND ZIP CODE	
Hobbs, New Mexico 88240	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	¢
SHOW TO WHOM AND DATE DELIVERED	¢
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES	\$
POSTMARK OR DATE	
MIDLAND FEB 24 1983	

PS Form 3800, Apr. 1976

P 220 602 849

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

SENT TO	
Huber Corporation	
STREET AND NO.	
1900 Wilco Building	
P.O., STATE AND ZIP CODE	
Midland, Texas 79701	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	¢
SHOW TO WHOM AND DATE DELIVERED	¢
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES	\$
POSTMARK OR DATE	
MIDLAND TEXAS FEB 24 1983	

PS Form 3800, Apr. 1976

P 220 602 848

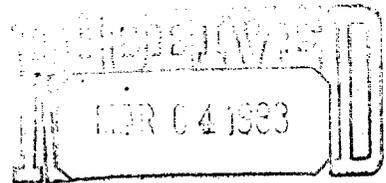
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

SENT TO	
Stoltz & Company	
STREET AND NO.	
P. O. Box 763	
P.O., STATE AND ZIP CODE	
Hobbs, NM 88240	
POSTAGE	\$
CONSULT POSTMASTER FOR FEES	
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	¢
SHOW TO WHOM AND DATE DELIVERED	¢
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES	\$
POSTMARK OR DATE	
MIDLAND FEB 24 1983	

PS Form 3800, Apr. 1976

OIL CONSERVATION DIVISION  
DISTRICT 1



OIL CONSERVATION DIVISION  
SANTA FE

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

DATE February 28, 1983

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed NSP \_\_\_\_\_  
Proposed SWD  \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application for the:

<u>Union Oil Co. of Calif.</u>	<u>Gulf Federal</u>	<u>No. 1-H</u>	<u>12-15-34</u>
Operator	Lease and Well No.	Unit, S - T - R	

and my recommendations are as follows:

O.K.---J.S.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Yours very truly,

/mc