

UNION OIL CO. OF CALIFORNIA
REPAIR RECORD

SHEET B

PAGE NO. 1

12-15-34

LEASE Gulf Federal WELL NO. 1-12 FIELD Morton Lower Wolfcamp
COMPLETION DATE: 12-18-81 APPROVED

DATE	E.T.D.	DETAILS OF OPERATIONS, DESCRIPTIONS & RESULTS
		<u>CONDITION OF THE HOLE BEFORE REPAIR</u> TOTAL DEPTH: 7186' Plug Back. CASING RECORD: 8 5/8" 24# ard 32# J-55 @ 4625' w/400 sacks cement 11 3/4" 42# F-40 @ 376' w/300 sacks cement PERFORATIONS: 4625' - 7186' Open Hole TUBING DETAILS: None <u>REASON FOR REPAIR:</u> Salt Water Disposal Well <u>CONDITION OF THE HOLE AFTER REPAIR</u> TOTAL DEPTH: 7186' PB CASING RECORD: Same as Above PERFORATIONS: Same as Above TUBING DETAILS: 2 3/8" 8rd EUE w/1 PC - 149 Joints (4483')

WELL HEAD ASSEMBLYTYPE: National
CASING HEAD: National 11 3/4" slip on x 12" S/600 w/2-2" LP outlets
CASING HANGER: National 8 5/8" 3 pc slips w/National Packing
CASING SPOOL: None - Nattonal 8 5/8" Weld on x 8" -900 ser casing head w/2-2" LP outlets
TUBING HEAD: National - 8" x 6" S/900 w/2-2" flanged outlets
TUBING HANGER: 6" - S/900 x 2" - S/1500 cameron studded bonnet
TUBING HEAD TOP: 6" S/900
MASTER VALVES: None
CHRISTMAS TREE TOP CONN.: 2 3/8" 8rd EUE

OIL CONSERVATION DIVISION
DISTRICT I

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

DATE 2/28/83

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed NSP _____
Proposed SWD X _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application for the:

Union Oil Co. of Calif. Gulf Sid. # 1-H 12-15-34
Operator Lease and Well No. Unit, S - T - R

and my recommendations are as follows:

OK JS

Yours very truly,

/mc

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

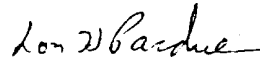
February 8, 1983

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

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 H. 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.

RECEIVED
FEB 25 1983
C.C.S.
HOBBS OFFICE

[illegible]

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' FWL & 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' FWL 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 sq.
 TOC Circulated feet determined by _____
 Hole size 17 1/2"

Intermediate Casing

Size 9 5/8" - 4630' Cemented with 2500 sq.
 TOC 570 feet determined by calculated
 Hole size 12 1/2"

Long string

Size 5 1/2" Cemented with 850 sq.
 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
 Respud 2-1-65
 Recomplete 5-25-65

Now P & A

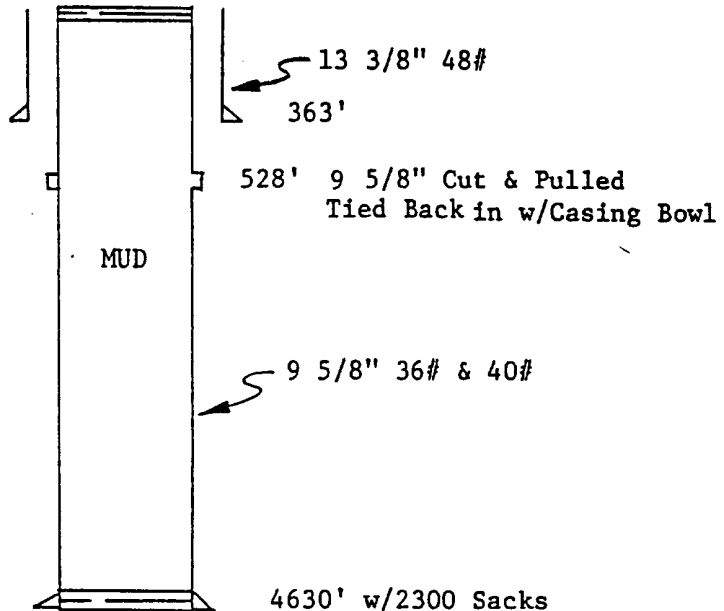
Tubing size _____ lined with _____ set in a
 _____ (material)
 _____ packer at _____ feet
 _____ (brand and model)
 (or describe any other casing-tubing seal).

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. _____

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

10 Sack Plug



25 Sack Plug

MUD

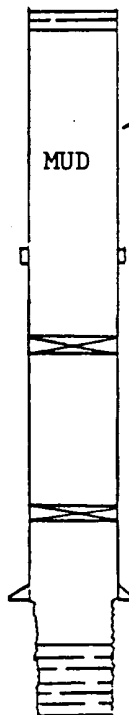
25 Sack Plug



6000'

MUD

25 Sack Plug



6200' Cut Off 5½"

5½" 17# & 20#

9057' 5½" Cut & Pulled
Tied Back in w/Casing Bowl

10,308' CIBP
10,308-419' Perforations

10,512-64' Perforations - Squeezed
10,541-47'

10,610' CIBP
11,964'-87' Perforations

12,160' w/1000 Sacks

13,991' Top of Cement Plug

14,254' TD

Gulf Oil Corporation		Featherstone Federal		
OPERATOR		LEASE		
1	766 FNL & 554' FEL	12	15S	34E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tabular Data

Surface Casing

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

TOC Circulated feet determined by _____

Hole size 17 1/2"

Intermediate Casing

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

TOC 2425 feet determined by calculated

Hole size 11"

Long string

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

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

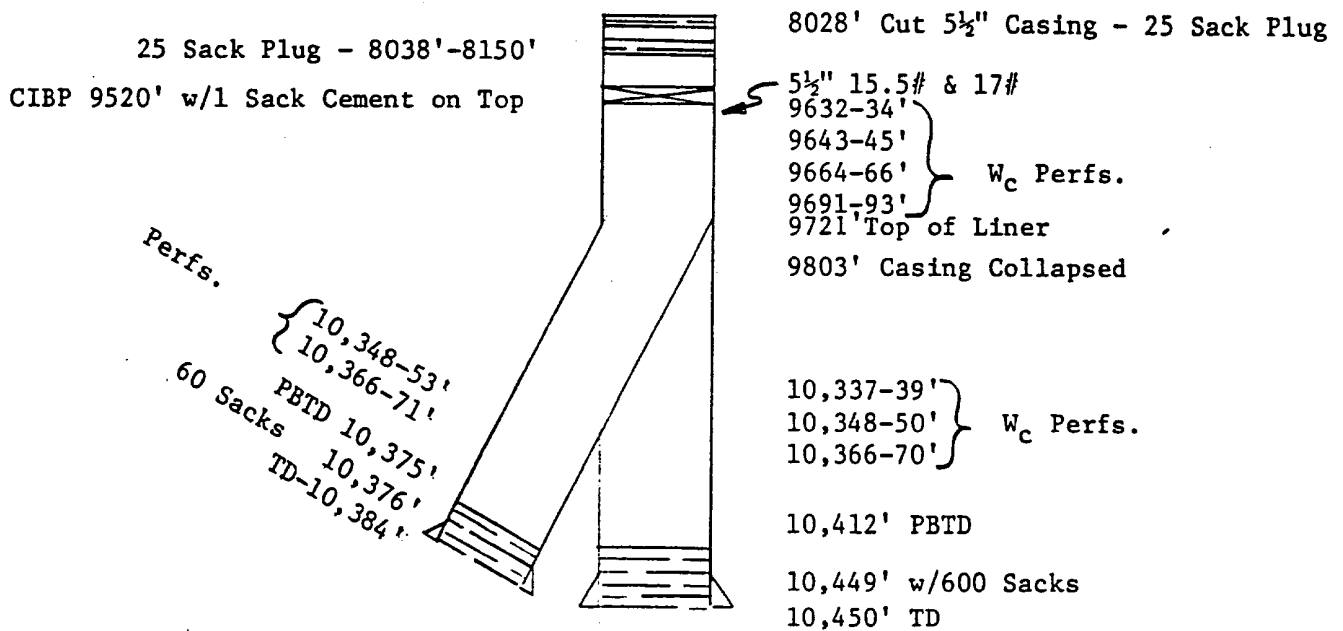
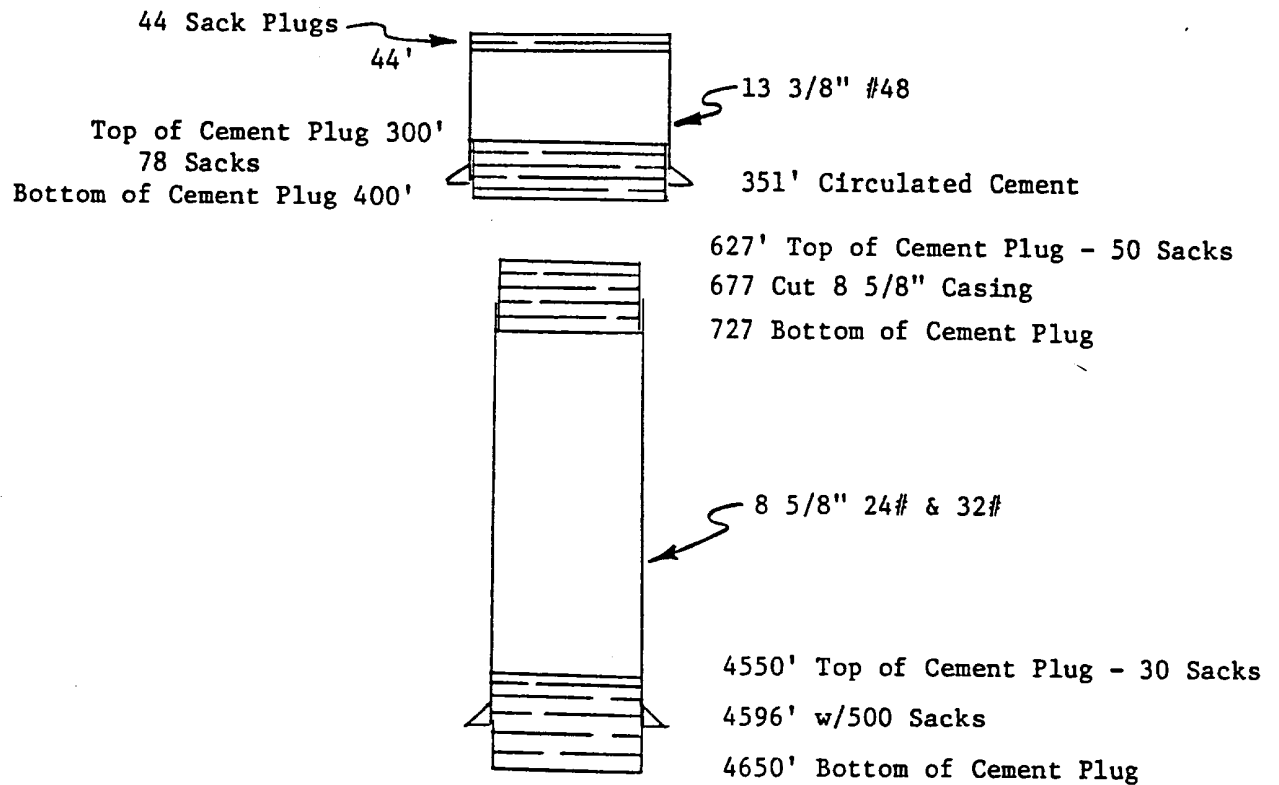
If no, for what purpose was the well originally drilled? _____

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) _____

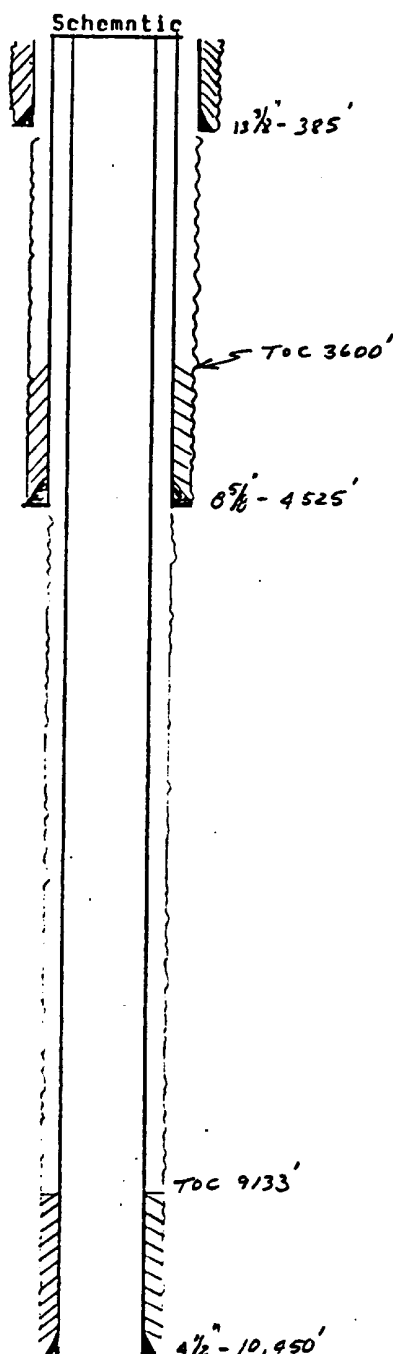
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

RECEIVED
FEB 25 1983
O.C.D.
HOBBS OFFICE

GULF OIL CORPORATION
FEATHERSTONE FEDERAL WELL NO
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
 Respod 2-13-81
 Recomplete 2-21-81

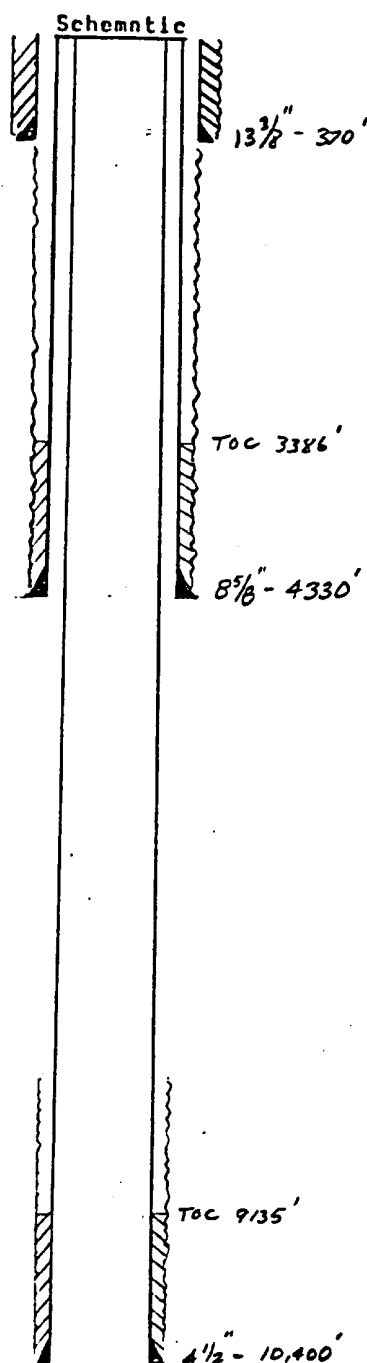
Tubing size _____ lined with _____ set in a
 (material)
 _____ packer at _____ feet
 (brand and model)
 (or describe any other casing-tubing seal).

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. _____

RECEIVED
FEB 25 1983
C. L. D.
HOBBS OFFICE

OPERATOR		LEASE		
1	1980' FEL & 2130' FSL	12	15S	34E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

**Tubular 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 calculatedHole size 11"**Long string**Size 4 1/2" - 10,400' Cemented with 240 sx.TOC 9135 feet determined by calculatedHole size 7 7/8"Total depth 10,400 PBTD - 10,397'**Injection interval**_____ feet to _____ feet
(perforated or open-hole, indicate which)

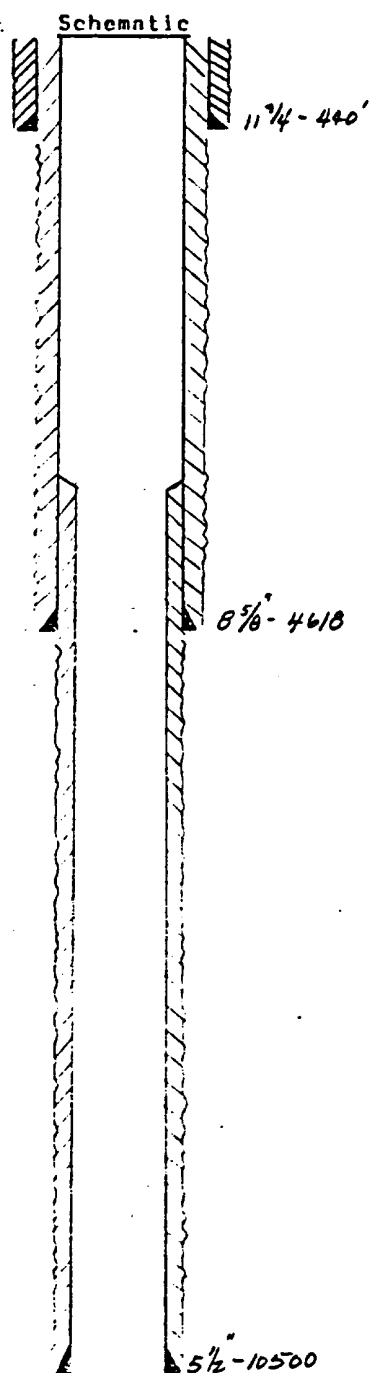
Spud 12-13-65
 Complete 01-30-66
 Perforations 10,242-10,388'
 Now Producing

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. _____

J.M. Huber	James O'Neill			
OPERATOR	LEASE			
1	766' FWL & 1874' FNL	7	15S	35E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE



Tabular Data

Surface Casing

Size 11 3/4" - 440' " Cemented with 300 sx.
 TOC circulated feet determined by calculated
 Hole size 14 3/4"

Intermediate Casing

Size 8 5/8" - 4618' " Cemented with 2050 sx.
 TOC circulated feet determined by calculated
 Hole size 11"

Long string

Pulled 3650'

Size 5 1/2" - 10,500' " Cemented with 1150 sx.
 TOC 3600' feet determined by calculated
 Hole size 7 7/8"

Total depth 10,500 PBTD - 10,448'

Injection interval

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

Spud 8-22-81
 Complete 10-22-81
 Perforations 10,321-10,401'
 Flowing

Tubing size _____ lined with _____ (material) set in a
 _____ 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. _____

RECEIVED
FEB 25 1983
C. C. C.
HOBBS OFFICE

Stoltz & Company, Inc.

Huber-Eiland

OPERATOR

LEASE

1	2086' FNL & 2086' FWL	12	15S	34E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tabular DataSurface CasingSize 13 3/8" - 354' " Cemented with 400 sx.TOC Circulated feet determined by _____Hole size 17 1/2"Intermediate CasingSize 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? _____

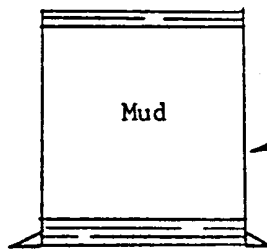
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____

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

RECEIVED
FEB 25 1983
HOBBS OFFICE

HUBEK-ELLAND WELL NO. 1
 SECTION 12, TOWNSHIP 15S, RANGE 34N
 LEA COUNTY, NEW MEXICO

10 Sack Plug



13 3/8" 48#

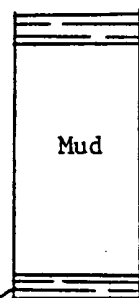
25 Sack Plug

354' w/400 Sks.-Circulated

Mud

25 Sack Plug

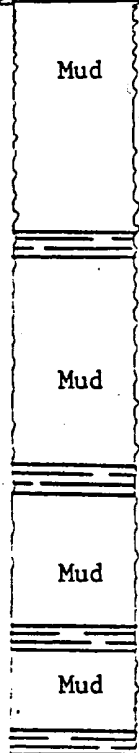
2010'-Cut Off 8 5/8"



8 5/8" 24# & 32#

25 Sack Plug

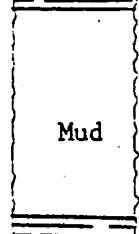
4588' w/200 Sks.



Mud

25 Sack Plug

5895'



Mud

25 Sack Plug

8025'



Mud

25 Sack Plug

9917'

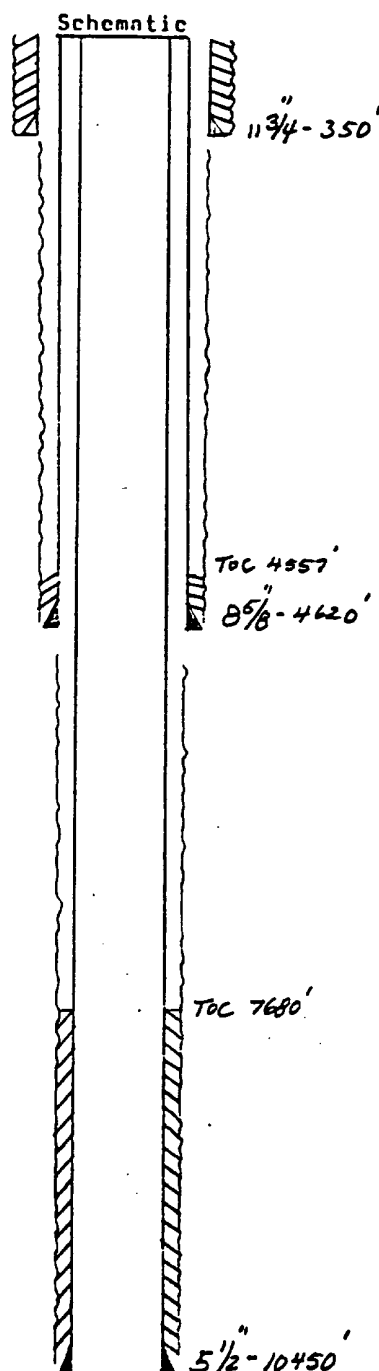


Mud

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' - PBTD - 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 (material) set in a

(brand and model)

packer at feet

(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.

RECEIVED
FEB 25 1983
HOBBS OFFICE

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

RECEIVED
FEB 25 1983
O.C.D.
HOBBS OFFICE

UNION OIL COMPANY OF CALIFORNIA
 STATE WELL NO. 1-7
 SECTION 7, TOWNSHIP 15S, RANGE 5E
 LEA COUNTY, NEW MEXICO

Top of Cement Plug Surface

20 Sacks

Bottom of Cement Plug 36'

Top of Cement Plug 233'

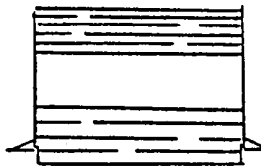
75 Sacks

Bottom of Cement Plug 368'

Top of Cement Plug 1383'

75 Sacks

Bottom of Cement Plug 1500'



11 3/4" 42#

352 Cement Circulated

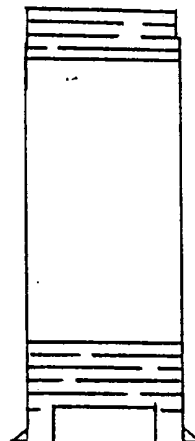
1496' Cut 8 5/8" Casing

8 5/8" 24# & 32#

Top of Cement Plug 4476'

50 Sacks

Bottom of Cement Plug 4620'



4620' Cut 5 1/2" Casing

4626' w/550 Sacks

8822' Top of Cement

5 1/2" 15.5# & 17#

Top of Cement Plug 10,264'

10,300 CIBP w/36' Cement on Top

10,383-391' Perfs

10,618' ETD

10,700' w/400 Sacks

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

Schematic

See Attached

Tubular DataSurface CasingSize 11 3/4" - 376' " Cemented with 300 ex.TOC Circulated feet determined by -Hole size 15"Intermediate CasingSize 8 5/8" - 4621' " Cemented with 500 ex.TOC 2575' feet determined by CalculationHole size 11"Long stringSize 5 1/2" - 10,703' " Cemented with 400 ex.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 PerforatedTubing size 2 3/8" lined with Plastic Applicators 501 set in a
(material)Guiberson Unipacker VI packer at 4500 feet
(brand and model)

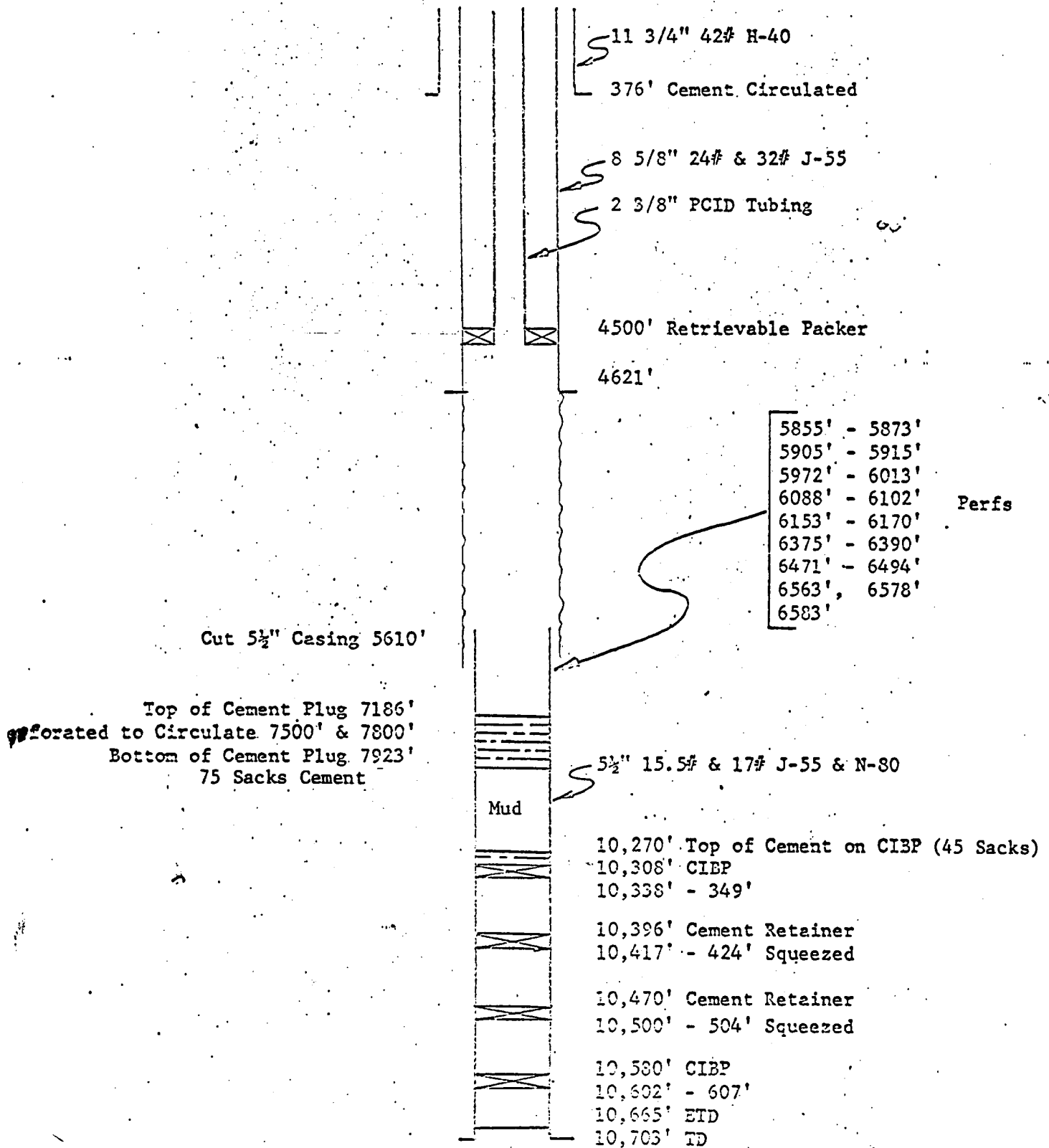
(or describe any other casing-tubing seal).

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'

RECEIVED
FEB 25 1983
O.L.O.
HOBBS OFFICE

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



PERFORATIONS AND PLUGGING DETAIL

<u>Perforations</u>	<u>Plugging Detail</u>
10,602' - 10,607'	Isolated with a CIBP set at 10,580'
10,500' - 10,504'	Squeezed with a Cement Retainer at 10,470'
10,417' - 10,424'	Squeezed with a Cement Retainer at 10,396'
10,338' - 10,349'	Isolated with a CIBP set at 10,308' with 38' of Cement on Top of BP
7500' and 7800'	Perforated to Circulate a Cement Plug between 7186' and 7923'
5855' - 6583'	Open for Disposal
5½" Casing cut off at 5610'	

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. Imperious 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.



BAROID DIVISION
N.L. Industries, Inc.
P.O. Box 1675 Houston, Texas 77001

WATER ANALYSIS TEST REPORT

BAROID TREATING CHEMICALS

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

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

Na ⁺ 20	15	10	5	0	5	10	15	20 Cl ⁻
Ca ⁺⁺								HCO ₃ ⁻
Mg ⁺⁺								SO ₄ ⁻
Fe ⁺⁺⁺								CO ₃ ⁻

DISSOLVED SOLIDS

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

DISSOLVED GASES

Hydrogen Sulfide, H ₂ S	mg/l *
Carbon Dioxide, CO ₂	mg/l *
Oxygen, O ₂	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 ₄ Solubility @ 68 F	65.96	mg/l *
@ 104 F	67.84	mg/l *
Max. CaSO ₄ Possible (Calc.)	54	mg/l *
Max. BaSO ₄ Possible (Calc.)		mg/l *
Residual Hydrocarbons		ppm (Vol/Vol)

SUSPENDED SOLIDS (QUALITATIVE)

Iron Sulfide ☐ Iron Oxide ☐ Calcium Carbonate ☐ Acid Insoluble ☐

REMARKS AND RECOMMENDATIONS:

Complete water analysis & Barium

* 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.

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

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

Chloride, Cl	124,980	3,521
Sulfate, SO ₄	700	15
Carbonate, CO ₃		
Bicarbonate, HCO ₃	244	4

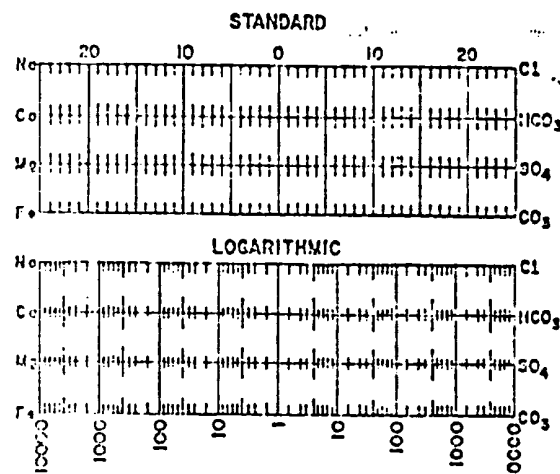
Total Dissolved Solids (calc.)
198,462

Iron, Fe (total) 3.0
Sulfide, as H₂S 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.)



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

OTHER PROPERTIES

pH	7.3
Specific Gravity	
Turbidity (JTU)	

CaCO₃ 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



trademarks of Nalco Chemical Company.

Union Oil and Gas Division: Central Region

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



February 8, 1983

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 Marientfeld, 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,


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

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

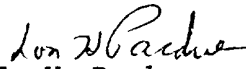
Gentlemen:-

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,


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



February 8, 1983

Midland District

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 Mariefeld, Midland, Texas 79701
P.O. Box 671, Midland, Texas 79702
Telephone (915) 682-9731



Midland District

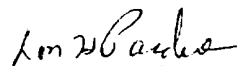
February 8, 1983

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

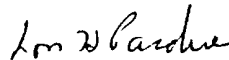
February 8, 1983

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
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.

before midnight tonight. Car. I will have seen 54 gaudy, parades of papier mache and brass bands that so. I knew, a cute spelling of wa, put on in the New Orleans area. To the east, off. 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, to close the festivities at midnight by toasting each other at a table in the municipal auditorium.

Longtime residents stole themselves for the annual par.

"At 80 years of age, I can't have much of a good time but I'm happy to see it," said M. O. (Aron) deBaroncelli, who luged 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 are all excited, agitated." Commercially, this Mardi Gras has been a disappointment. Sidewalk vendors' profits were down. Tour-

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

IN THE MATTER OF THE
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. 4th Ave., Lovington, New Mexico 8280.

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

By RAN J. HACKLEY
Assoc. 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-82-858

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 O. 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 property at Fort Bliss, 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 O.
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 880 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 8583'. 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. Convenient location 5x10 (18.00) to 10x20 (40.00) monthly. Call Whitten Home and Auto — 8:00 a.m. to 8:00 p.m. 396-4515. After 8 p.m. 396-4292.

West Ben and East Ave. 13 No. deposit — lowest rates. Sizes 5x10 thru 10x30. Call 396-2311 after 5 p.m. or weekends.

MOBILE HOMES

FOR RENT — Mobile home spaces for all sizes up to 80 feet. \$55 a month and water paid. S & K Real Estate. 396-8361.

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. 396-5941.

New mobile home spaces. Large lot 670 a month. Small lot \$40 a month. 396-3734.

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 396-6291 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. 396-7078.

GOOD, little or no credit? Call us about buying a new home for less than \$200 monthly. FREE delivery and set-up. Call 396-692-8068. Oasis Mobile Homes, Denver City, Texas.

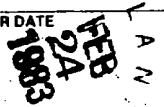
I hereby certify that the above Legal Notice was published in the Lovington Daily Leader, Section II, Page 2, February 15, 1983.

Lon H. Pardue

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

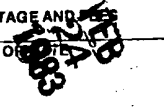
P 220 602 852
RECEIPT FOR CERTIFIED MAIL

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	OPTIONAL SERVICES	CERTIFIED FEE	¢
		SPECIAL DELIVERY	¢
		RESTRICTED DELIVERY	¢
	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 			

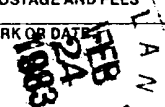
P 220 602 851
RECEIPT FOR CERTIFIED MAIL

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	OPTIONAL SERVICES	CERTIFIED FEE	¢
		SPECIAL DELIVERY	¢
		RESTRICTED DELIVERY	¢
	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 			

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	OPTIONAL SERVICES	CERTIFIED FEE	¢
		SPECIAL DELIVERY	¢
		RESTRICTED DELIVERY	¢
	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 			

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		\$ 122 75	
CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	
		SPECIAL DELIVERY	
		RESTRICTED DELIVERY	
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	60
		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		\$ 257	
POSTMARK OR DATE		MIDLAND, TEXAS FEB 24 1983 USPO	

P 220 602 8
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	OPTIONAL SERVICES	CERTIFIED FEE	
		SPECIAL DELIVERY	
		RESTRICTED DELIVERY	
	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		HOBBS, NM FEB 24 1983 USPO	

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	OPTIONAL SERVICES	CERTIFIED FEE	
		SPECIAL DELIVERY	
		RESTRICTED DELIVERY	
	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 USPO	

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	OPTIONAL SERVICES	CERTIFIED FEE	
		SPECIAL DELIVERY	
		RESTRICTED DELIVERY	
	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		HOBBS, NM FEB 24 1983 USPO	