ALLIED Un on Texas Petroleum

Southwest Division
4000 North Big Spring
Suite 500
Midland. TX 79705
Telephone (915) 684-0600

Feb ruary 26, 1985

Mew Mexico Oil Conservation Commission
P. O. Box 2088
Sarta Fe, New Mexico 87501

RE: Application to Convert the Post No.1 Well to Salt Water Disposal

Case 8523

Gentlemen:

Union Texas Petroleum Corporation's original application to convert the Post No.1 well to salt water disposal was submitted February 13, 1985. Attached are remaining requirements which include the following:

1. Receipt of Certified Mail to surface owners and offset operators

2. Return receipt of delivery of Certified Mail from offset operators and surface owners

3. Amended list of offset operators and surface owners with addresses

4. Newspaper clipping of published notice of salt water disposal application

5. Affidavit of Publication

If additional information is needed, please inform me at this address or phone (915) 684-0600.

Thank you for your services.

Yours very truly,

UNION TEXAS PETROLUEM CORPORATION

William A. Higgins

William A. Higgins
Regulatory Compliance Coordinator
Southwest Division

WAH/cad

Attachments

OFFSET OPERATOR AND SURFACE OWNERS

Skelton Oil Company
Box 176
Hobbs, New Mexico 88240

Mrs. Mary McCrory (NE/4 Sec. 1, 14S, 37E)
C/O James R. McCrory
P. O. Box 25764
Albuquerque, New Mexico 87125

Mr. Dave E. Williams
Rt. 1, Box 344
Lovington, N.M. 88260

Exxon Company USA
P. O. Box 230
Midland, Texas 79702

**AFFIDAVIT OF PUBLICATION**

State of New Mexico,

County of Lea.

I, _____

Robert L. Summers

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not in a supplement thereof for a period

of _____

One _____ weeks.

Beginning with the issue dated

February 21, 1985

and ending with the issue dated

February 21, 1985

Robert L. Summers
Publisher.

Sworn and subscribed to before me this 22 day of

February, 1985

Vera Murphy
Notary Public.

My Commission expires _____

Nov. 14, 1988
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

(43) **LEGAL NOTICE**
**FEBRUARY 21, 1985**

To Whom It May Concern:

Union Texas Petroleum Corporation has submitted an application to the New Mexico Oil Conservation Commission to dispose of salt water into the Devonian formation, in the King, South (Devonian) Field by means of a disposal well. The existing producing well, Post No. 1, operated by Union Texas Petroleum Corporation, located 990' FSL and 1650' FWL of Section 1, T-14-S, R-37-E Lea County, will be converted for this purpose. Disposal interval will be through perforations in the 5-½" casing 12,729-750' and 12,790-802'. Estimated daily volume is 1000 barrels with estimated maximum of 3000 barrels. Estimated average disposal pressure is 500 to 1000 psi with a maximum estimated at 2500 psi or not to exceed fracture pressure.

Objections may be filed by contacting the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501. Applicant can be contacted by writing Union Texas Petroleum Corporation, 4000 N. Big Spring, Suite 500, Midland, Texas 79705 or by calling Bill Higgins (915) 684-0600.

UNION TEXAS
PETROLEUM
CORPORATION
W.A. Higgins
Regulatory Compliance
Coordinator

PS Form 3811, July 1982

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

**(CONSULT POSTMASTER FOR FEES)**

1. The following service is requested (check one).
   - [X] Show to whom and date delivered ..... ____¢
   - [ ] Show to whom, date, and address of delivery .. ____¢
2. [ ] RESTRICTED DELIVERY ..... ____¢
   *(The restricted delivery fee is charged in addition to the return receipt fee.)*

**TOTAL $____**

3. ARTICLE ADDRESSED TO:
   Skelton Oil Company
   Box 176
   Hobbs, New Mexico 88240

4. TYPE OF SERVICE:
   - [ ] REGISTERED
   - [ ] INSURED
   - [X] CERTIFIED
   - [ ] COD
   - [ ] EXPRESS MAIL

ARTICLE NUMBER: 907191

**(Always obtain signature of addressee or agent)**

I have received the article described above.

SIGNATURE [X] Addressee [ ] Authorized agent

5. DATE OF DELIVERY

POSTMARK (may be on reverse side)

FEB 25 1985

6. ADDRESSEE'S ADDRESS *(Only if requested)*

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

RETURN RECEIPT

★ GPO: 1982-378-593

PS Form 3811, July 1982

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
   - [X] Show to whom and date delivered ..... ____¢
   - [ ] Show to whom, date, and address of delivery .. ____¢
2. [ ] RESTRICTED DELIVERY ..... ____¢
   *(The restricted delivery fee is charged in addition to the return receipt fee.)*

TOTAL $____

3. ARTICLE ADDRESSED TO:
Mr. Dave E. Williams
Rt. 1 Box 344
Lovington, NM 88260

4. TYPE OF SERVICE:
   - [ ] REGISTERED
   - [ ] INSURED
   - [X] CERTIFIED
   - [ ] COD
   - [ ] EXPRESS MAIL

ARTICLE NUMBER: 907189

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE [ ] Addressee [ ] Authorized agent

Rita Williams

5. DATE OF DELIVERY: 2 14 85

POSTMARK (may be on reverse side)

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

RETURN RECEIPT

No. 907190

## RECEIPT FOR CERTIFIED MAIL

SENT TO
Mrs. Mary McCrory

STREET AND NO.
P. O. Box 25764

P.O., STATE AND ZIP CODE
Albuquerque, NM 87125

POSTMARK OR DATE

OPTIONAL SERVICES FOR ADDITIONAL FEES

RETURN RECEIPT SERVICES
1. Shows to whom and date delivered
With restricted delivery
2. Shows to whom, date and where delivered
With restricted delivery

CONSULT POSTMASTER FOR FEES

RESTRICTED DELIVERY

SPECIAL DELIVERY (extra fee required)

PS Form 3800
Jan. 1976

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

*(See other side*

☆ GPO: 1975 —O-591 45

PS Form 3811, July 1982

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

**(CONSULT POSTMASTER FOR FEES)**

1. The following service is requested (check one).
   - ☒ Show to whom and date delivered ..... ____¢
   - ☐ Show to whom, date, and address of delivery .. ____¢
2. ☐ RESTRICTED DELIVERY ..... ____¢
   *(The restricted delivery fee is charged in addition to the return receipt fee.)*

**TOTAL $____**

3. ARTICLE ADDRESSED TO:

Mrs. Mary Mccroy
P. O. Box 25764
Alburquerque, NM 87125

4. TYPE OF SERVICE:
   - ☐ REGISTERED
   - ☐ INSURED
   - ☒ CERTIFIED
   - ☐ COD
   - ☐ EXPRESS MAIL

ARTICLE NUMBER: 907,190

**(Always obtain signature of addressee or agent)**

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY

POSTMARK (may be on reverse side)

6. ADDRESSEE'S ADDRESS *(Only if requested)*

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

RETURN RECEIPT

★ GPO: 1982-379-593

PS Form 3811, July 1982

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

**(CONSULT POSTMASTER FOR FEES)**

1. The following service is requested (check one).
   - ☒ Show to whom and date delivered ..... ____¢
   - ☐ Show to whom, date, and address of delivery .. ____¢
2. ☐ **RESTRICTED DELIVERY**..... ____¢
   *(The restricted delivery fee is charged in addition to the return receipt fee.)*

**TOTAL** $____

3. **ARTICLE ADDRESSED TO:**
   Exxon USA
   P. O. Box 230
   Midland, Texas 79702

4. **TYPE OF SERVICE:**
   - ☐ REGISTERED ☐ INSURED
   - ☒ CERTIFIED ☐ COD
   - ☐ EXPRESS MAIL

**ARTICLE NUMBER**
907192

**(Always obtain signature of addressee or agent)**

I have received the article described above.
**SIGNATURE** ☐ Addressee ☑ Authorized agent

Robert Matthews

5. **DATE OF DELIVERY**

**POSTMARK** (only before receipt fee)
FEB 2 1985
U.S. O

6. **ADDRESSEE'S ADDRESS** *(Only if requested)*

7. **UNABLE TO DELIVER BECAUSE:**

7a. **EMPLOYEE'S INITIALS**
R.E.

RETURN RECEIPT

★ GPO: 1982-378-503

No. 907192

## RECEIPT FOR CERTIFIED MAIL

SENT TO
Exxon USA

STREET AND NO.
P. O. Box 230

P.O., STATE AND ZIP CODE
Midland, Texas 79702

POSTMARK OR DATE

OPTIONAL SERVICES FOR ADDITIONAL FEES

RETURN RECEIPT SERVICES
1. Shows to whom and date delivered
With restricted delivery
2. Shows to whom, date and where delivered
With restricted delivery

RESTRICTED DELIVERY

SPECIAL DELIVERY (extra fee required)

CONSULT POSTMASTER FOR FEES

PS Form 3800
Jan. 1976

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See other side)

☆ GPO: 1975—O-591-45

No. 90789

## RECEIPT FOR CERTIFIED MAIL

SENT TO
Mr. Dave E. Williams

STREET AND NO.
Rt. 1 Box 344

P.O., STATE AND ZIP CODE
Lovington, NM 88260

POSTMARK OR DATE

OPTIONAL SERVICES FOR ADDITIONAL FEES

RETURN RECEIPT SERVICES
1. Shows to whom and date delivered
With restricted delivery
2. Shows to whom, date and where delivered
With restricted delivery

RESTRICTED DELIVERY

SPECIAL DELIVERY (extra fee required)

CONSULT POSTMASTER FOR FEES

PS Form 3800
Jan. 1976

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See other sic

GPO 1975--O-591-4

No. 307131

## RECEIPT FOR CERTIFIED MAIL

SENT TO
Skelton Oil Company

STREET AND NO.
Box 176

P.O., STATE AND ZIP CODE
Hobbs, New Mexico 88240

POSTMARK OR DATE

OPTIONAL SERVICES FOR ADDITIONAL FEES

RETURN RECEIPT SERVICES
1. Shows to whom and date delivered .....
With restricted delivery .....
2. Shows to whom, date and where delivered
With restricted delivery .....

RESTRICTED DELIVERY .....

SPECIAL DELIVERY (extra fee required) .....

CONSULT POSTMASTER FOR FEES

PS Form 3800
Jan. 1976

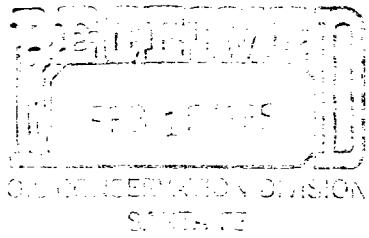
NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See other sid

☆ GPO : 1975 - O 591-45

ALLIED Union Texas Petroleum

Southwest Division
4000 North Big Spring
Suite 500
Midland, TX 79705
Telephone (915) 684-0600



February 13, 1985

Case 8525

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

Re: Application to Convert the Post No. 1 Well to Salt Water Disposal

Gentlemen:

Attached is the application by Union Texas Petroleum Corporation to convert subject well to Salt Water Disposal purposes. Copies of this application have also been sent to all offset operators and surface owners by certified mail and to the Hobbs Daily News Sun for publication under legal notices. Copies of newspaper clipping and affidavit of publication will be sent to you at a later date.

Thank you for your services.

UNION TEXAS PETROLEUM CORPORATION

W. A. Higgins
Regulatory Compliance Coordiantor

WAH/gad
Attachment

Case 8523

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| FILE | | |
| U.S.G.S. | | |
| LAND OFFICE | | |
| OPERATOR | | |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE [ ] FEE [X]

5. State Oil & Gas Lease No.

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well
DRILL [ ] DEEPEN [ ] PLUG BACK [X]
OIL WELL [ ] GAS WELL [ ] OTHER Salt Water Disposal SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. Unit Agreement Name

8. Farm or Lease Name
Post

2. Name of Operator
Union Texas Petroleum Corporation

9. Well No.
1

3. Address of Operator
4000 N. Big Spring, Suite 500, Midland, Texas 79705

10. Field and Pool, or Wildcat
King, South (Dev)

4. Location of Well UNIT LETTER N LOCATED 990 FEET FROM THE South LINE
AND 1650 FEET FROM THE West LINE OF SEC. 1 TWP. 14S RGE. 37E NMPM

12. County
Lea

| 19. Proposed Depth | 19A. Formation | 20. Rotary or C.T. |
|---|---|---|
| 12,810 | Devonian | Rotary |

| 21. Elevations (Show whether DF, RT, etc.) | 21A. Kind & Status Plug. Bond | 21B. Drilling Contractor | 22. Approx. Date Work will start |
|---|---|---|---|
| 3831 Gr. | Blanket | Unknown | March, 1985 |

23.

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|---|---|---|---|---|---|
| 17-1/2 | 13-3/8 | 48 | 416 | 500 "C" | Circ. |
| 12-1/4 | 8-5/8 | 32 | 4650 | 2000 "C" | 2160 T.S. |
| 7-7/8 | 5-1/2 | 17 | 12,865 | 1300 "H" | 8260 T.S. |

Union Texas Petroleum Corporation proposes to re-enter and convert subject well to SWD after CO to TD of 12,813'. Casing perforations 12,790'-802' will be made in addition to existing perforations 12,729'-750'. Following acid treatment of perforatins, 2-7/8" IPC tubing will be run with Baker A-3 Loc-Set packer set at 12,650' and disposal begun.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [signature] Title Regul. Compl. Coordinator Date 2-13-85

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NE MEXICO OIL CONSERVATION COMMISSIC

# WELL LOCATION AND ACREAGE DEDICATION PLAT

Case 8523

Form C-102
*Supersedes C-128*
Effective 1-1-65

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

| Operator | Lease | Well No. |
|---|---|---|
| UNION TEXAS PETROLEUM CORPORATION | POST | 1 |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| N | 1 | 145 | 37E | LEA |

Actual Footage Location of Well:
990 feet from the SOUTH line and 1650 feet from the WEST line

| Ground Level Elev. | Producing Formation | Pool | Dedicated Acreage: |
|---|---|---|---|
| 3831' | | | Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

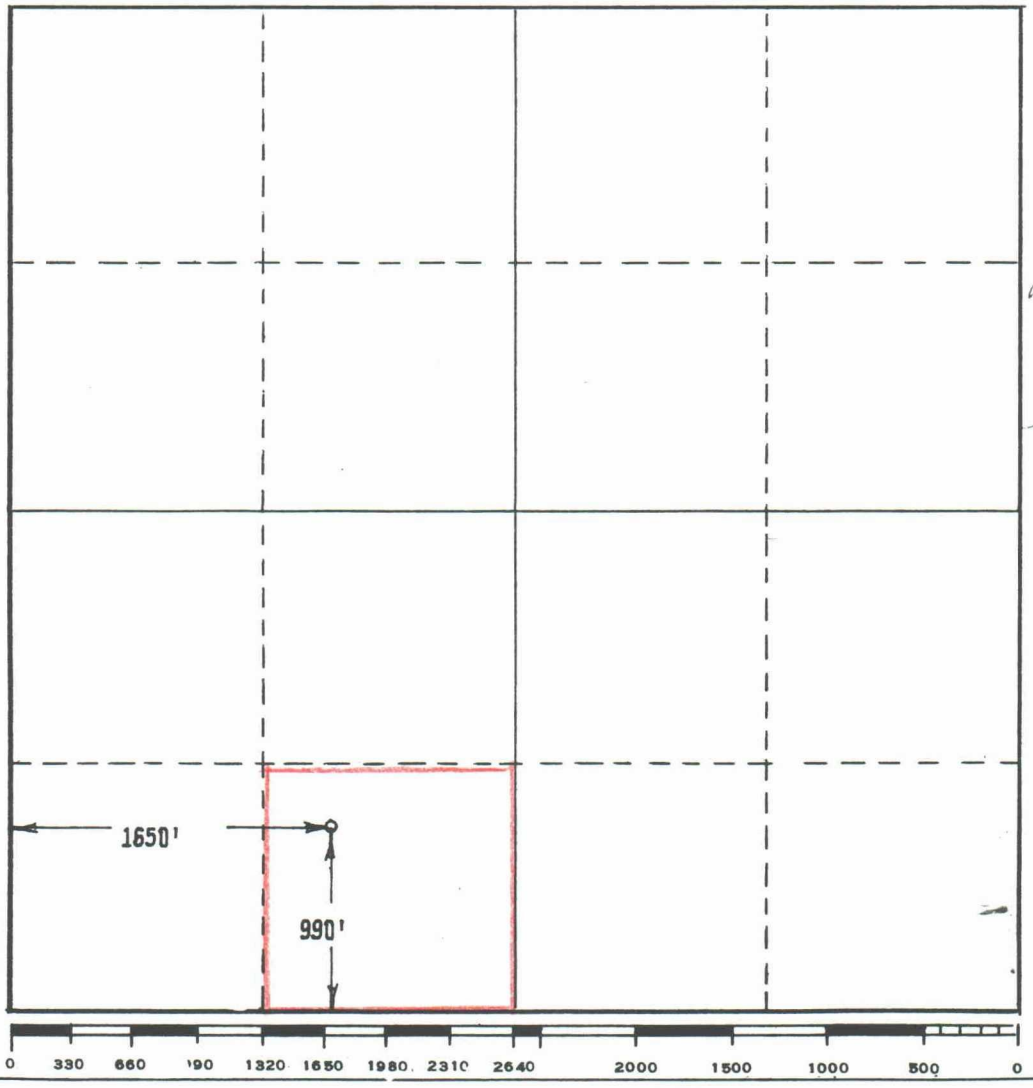
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.




## CERTIFICATION

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

Name

Position

Company

Date

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.*

October 7, 1982

Date Surveyed

RICHARD B. DUNIVEN

Registered Professional Engineer and/or Land Surveyor

4882

Certificate No. 4882

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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| FILE | | |
| U.S.G.S. | | |
| LAND OFFICE | | |
| OPERATOR | | |

# OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Ecdc 8523

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☐ OTHER- Salt Water Disposal

7. Unit Agreement Name

2. Name of Operator
Union Texas Petroleum Corporation

8. Farm or Lease Name
Post

3. Address of Operator
4000 N. Big Spring, Suite 500, Midland, Texas 79705

9. Well No.
1

4. Location of Well
UNIT LETTER N , 990 FEET FROM THE South LINE AND 1650 FEET FROM THE West LINE, SECTION 1 TOWNSHIP 14S RANGE 37E NMPM.

10. Field and Pool, or Wildcat
King South (Dev)

15. Elevation (Show whether DF, RT, GR, etc.)
3831 Gr.

12. County
Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | | COMMENCE DRILLING OPNS. ☐ | PLUG AND ABANDONMENT ☐ |
| PULL OR ALTER CASING ☐ | CHANGE PLANS ☐ | CASING TEST AND CEMENT JOB ☐ | |
| OTHER Convert to SWD ☒ | | OTHER ☐ | |

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

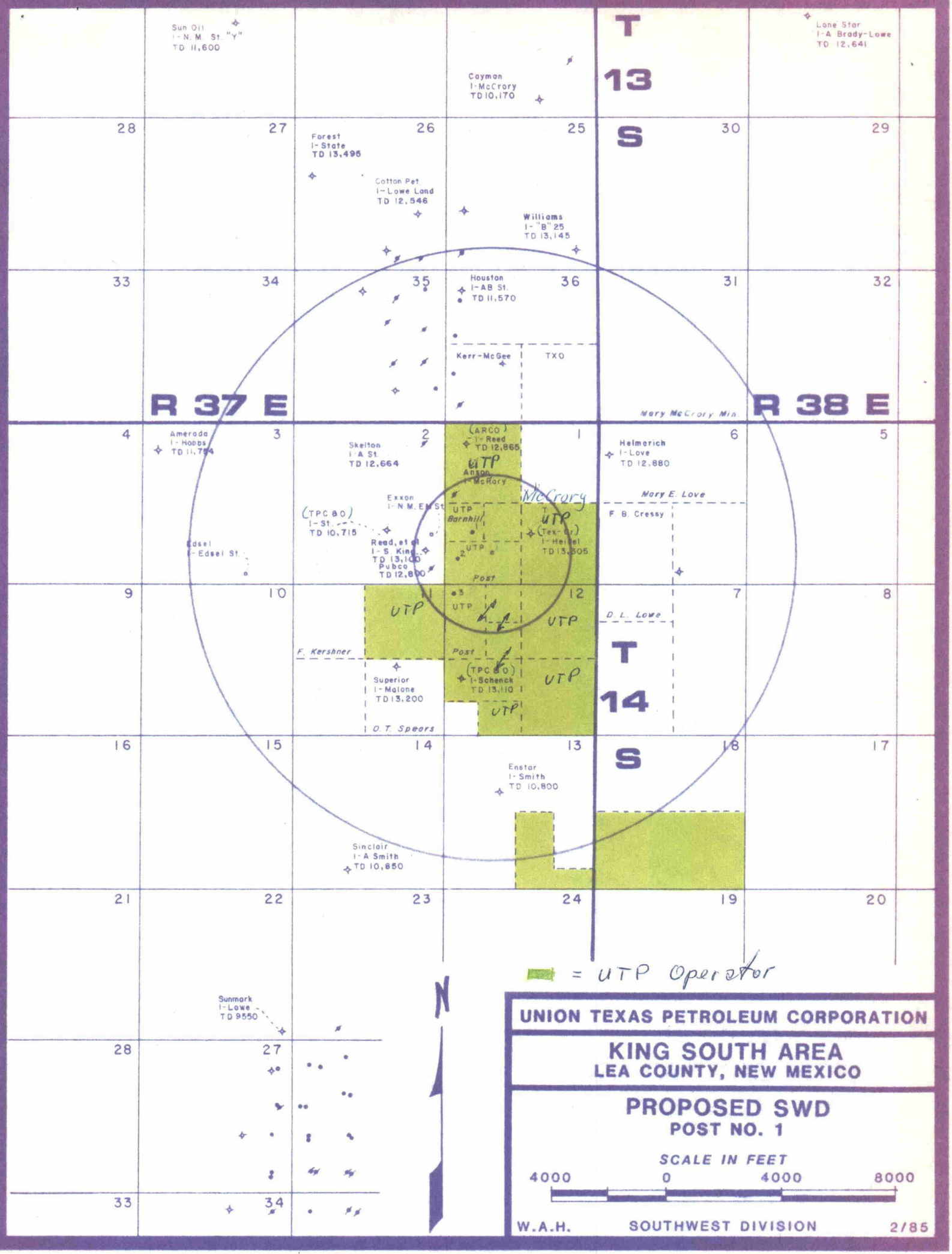
1. MIRUSU, Install BOP. POH and lay down tbg.
2. Clean out to TD 12,810'.
3. Perforate 5-1/2" casing 12,790-802' (26).
4. Acidize 12,790' to 802' w/2000 gal 15% HCl NEFE.
5. Test injection rates on all perforations.
6. Run 2-7/8" IPC tubing on Baker A-3.
   Loc-Set packer and set at 12, 650'.
7. Commence disposal.
8. RDMOSU, clean up location.

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

SIGNED [signature] TITLE Regul. Compl. Coordinator DATE 2-13-85

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:




**UNION TEXAS PETROLEUM CORPORATION**

# KING SOUTH AREA
## LEA COUNTY, NEW MEXICO

## PROPOSED SWD
### POST NO. 1

SCALE IN FEET

4000 0 4000 8000

W.A.H. SOUTHWEST DIVISION 2/85

# OFFSET OPERATOR AND SURFACE OWNERS

Skelton Oil Company
Box 176
Hobbs, New Mexico 88240

Mrs. Mary McCrory (NE/4 Sec. 1, 14S, 37E)
C/O James R. McCrory
P. O. Box 25764
Albuquerque, New Mexico 87125

Mr. Dave E. Williams
Rt. 1, Box 344
Lovington, N.M. 88260

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no

II. Operator: Union Texas Petroleum Corporation

Address: 4000 N. Big Spring Street, Suite 500

Contact party: William A. Higgins Phone: 915-684-0600

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 _____.

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: Gary R. Hendricks Title Division Operations Engineer

Signature: Gary R Hendricks Date: 2-4-85

* 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.

---

DISTRIBUTION

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.

SUPPLEMENT TO FORM C 108
APPLICATION FOR AUTHORIZATION TO INJECT

III. Well Data: See attached injection well data sheet

VI. The following wells are located within a 1/2 mile radius of the Post #1.

| WELL NAME | TOTAL DEPTH | COMPLETED AS | CURRENT STATUS |
|---|---|---|---|
| An-Son McCrory #1 | 12,900 | Canyon Oil Well | P & A |
| UTPC Barnhill #1 | 12,745 | Devonian Oil Well | Producing |
| UTPC Post #2 | 12,720 | Devonian Oil Well | Producing |
| UTPC Post #3 | 14,000 | Devonian Oil Well | Producing |
| Exxon State EM #1 | -- | Currently Drilling | -- |
| Read and Stevens South King #1 | 13,100 | Dry Hole | P & A |
| Pubco #1 | 12,800 | Dry Hole | P & A |
| UTPC Heidel #1 | 13,005 | Dry Hole | P & A |

A wellbore sketch of each is attached which shows each wells construction, date drilled, location, record of completion and plugging details if applicable.

VII. Data on Proposed Operation

1. Estimated Average Daily rate 2000 BWPD
   Estimated Average Daily Volume 1000 BWPD
   Estimated Maximum Daily rate 3000 BWPD
   Estimated Maximum Daily Volume 3000 BWPD

2. The system is closed.

3. Estimated average injection pressure 500-1000 psi

   Estimated maximum injection pressure 2500 psi

   * Not to exceed fracture pressure of reservoir.

4. Only Devonian water will be disposed of in the Post #1. A water analysis is attached.

VII. The proposed injection interval of 12729'-12802' is the Devonian reservoir. This reservoir consists of dolomite filled with anhydrite with a top of 12698' (-3852') and the bottom is estimated to be at 13880' (-10,034).

The deepest fresh water (10,000 mg/l or less solids) overlying the proposed zone of injection is the top of the Triassic at approximately 300'. The Santa Rosa (located to a depth of 2050' is not believed to be potable in the area).

IX. The well will be stimulated with 15% HCl (if required) to remove near wellbore damage caused by drilling operations.

X. No logging programs are planned. The Post #1 has a GR-CNL-LDL log dated 12-26-82.

XI. A chemical analysis of water taken from three fresh water wells near the proposed well is attached. Also attached is a map showing the location of the fresh water wells from which the samples were taken.

XII. Union Texas Petroleum Corporation has examined engineering and geologic data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

GRH/gad
2-4-85

## Water Analysis of Fresh Water Wells Surrounding Proposed SWD Well

Analysis performed by Halliburton Services Laboratory, Hobbs, New Mexico on 3-3-1983

| Well No. as shown on attached map | 1 | 2 | 3 |
|---|---|---|---|
| Resistivity | 5.7 at 74°F | 11.6 at 74°f | 11.4 at 74°F |
| Specific Gravity | 1.004 | 1.001 | 1.001 |
| pH | 6.6 | 7.0 | 7.0 |
| Calcium (Mpl) | 150 | 80 | 105 |
| Magnesium | 21 | 15 | 14 |
| Chlorides | 450 | 100 | 150 |
| Sulfates | 450 | 300 | 380 |
| Bicarbonates | 315 | 290 | 270 |
| Soluble Fe | Nil | Nil | Nil |
| Sodium (calc) | 414 | 198 | 232 |
| Total Dissolved Solids Milligrams per liter | 1800 | 983 | 1152 |

UNION TEXAS PETROLEUM

ANALYSIS OF WATER TO BE DISPOSED

POST #1 WELL

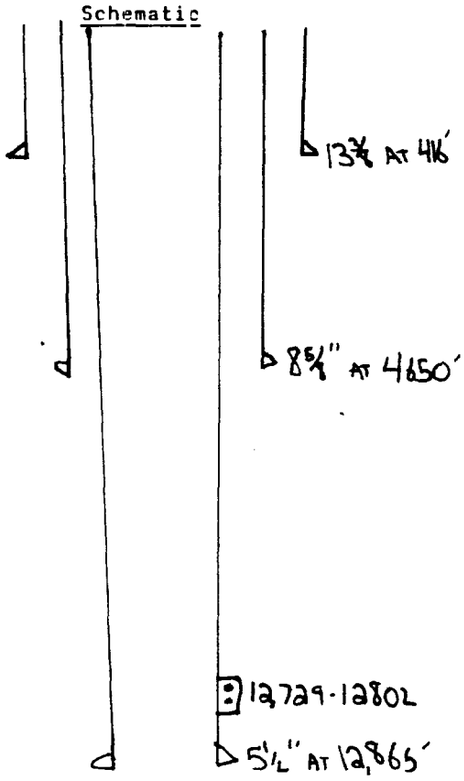
| | |
|---|---|
| Reservoir | Devonian |
| Specific Gravity | 1.0620 |
| $HCO_3$ | 200 mg/l |
| $CaCO_3$ | 15,000 mg/l |
| Ca | 3560 mg/l |
| Mg | 1482 mg/l |
| Na,K | 26926 mg/l |
| $SO_4$ | 1704 mg/l |
| Cl | 50,779 mg/l |
| Fe | 43.7 |
| Total Solids | 84,651 mg/l |
| $H_2S$ | 0 |
| Rw at 77°F | 0.110 |

Grh
2-28-83

INJECTION WELL DATA SHEET

| OPERATOR | LEASE | | | |
|---|---|---|---|---|
| UNION TEXAS PETROLEUM | POST | | | |
| WELL NO. | FOOTAGE LOCATION | SECTION | TOWNSHIP | RANGE |
| 1 | 1650'FWL and 990'FSL | 1 | T-14-S | R-37-E |

Schematic




Tabular Data

Surface Casing

Size 13-3/8" Cemented with 500 sx.

TOC Sur feet determined by Circulations

Hole size 17-1/2

Intermediate Casing

Size 8-5/8" Cemented with 2000 sx.

TOC 2160' feet determined by Temp. Survey

Hole size 12-1/4

Long string

Size 5-1/2" Cemented with 1300 sx.

TOC 8280 feet determined by Cement Bond Log

Hole size 7-7/8"

Total depth 12807

Injection interval

12,729' feet to 12,802' feet
(perforated or open-hole, indicate which)

Tubing size 2-7/8 lined with Plastic (material) set in a

Baker A-3 Lok-Set (brand and model) packer at 12650' feet

(or describe ary other casing-tubing seal).

Other Data

1. Name of the injection formation Devonian

2. Name of Field or Pool (if applicable) South King Devonian

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

   If no, for what purpose was the well originally drilled? Devonian Oil Well

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)

   No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. The Wolfcamp reservoir 9400' produces in the King Devonian Field located one mile to the north.

UNION TEXAS PETROLEUM

Currently Producing

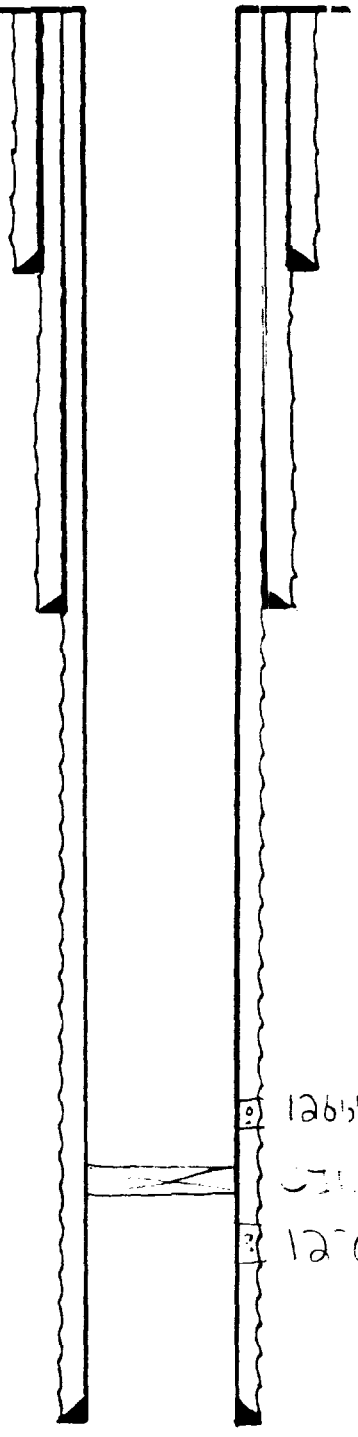
FIELD: South King Dev.

LEASE: Barnhill WELL NO. 1

DATE: 1-85 SPUDDED: _____ COMP. 9-83

ELEV.: 3831 GL

LOCATION: 1650' FSL and 990 FWL
Sec 1, T-14-S, R-37-E
Lea County, N. M.




13 3/8" 48# CSG. at 405 w/ 500 SX.
17 1/2" HOLE TOC Circ

8 5/8" 32# CSG AT 4668' w/ 2200 SX
12 1/4" HOLE TOC 2760 b. TS'

5 1/2" 17.20# CSG. at 12744 w/ 2975 SX.
7 7/8" HOLE TOC 6400 b. TS

TD 12745
PBTD 12700

Currently Producing

UNION TEXAS PETROLEUM

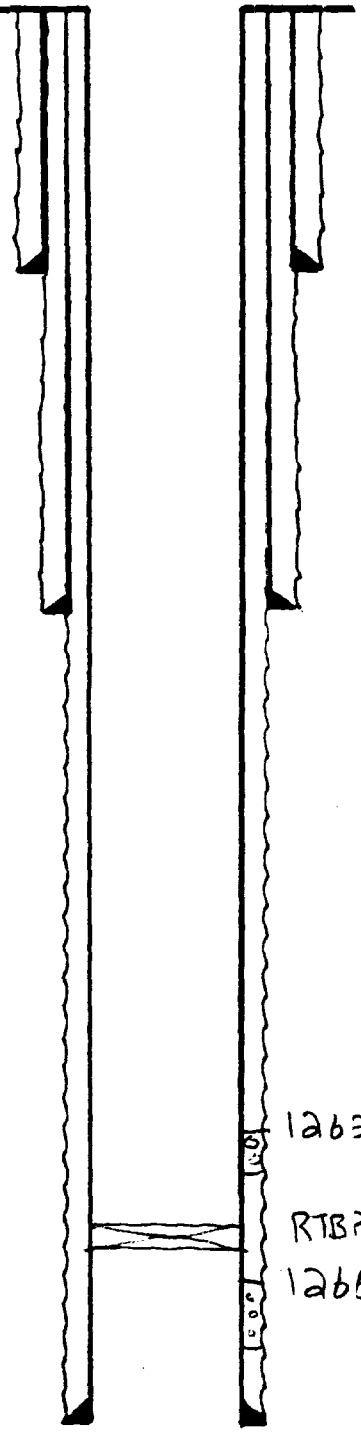
FIELD: South King Devonian

LEASE: Poss WELL NO. 2

DATE: 1-85 SPUDDED: _____ COMP. 11-83

ELEV.: 3832 GL

LOCATION: 467' FWL AND 700' FSL
Section 1, T-14-S, R-37-E
Lea County, New Mexico



13 3/8 " 68 # CSG. at 406 w/ 500 sx.
17 1/2 " HOLE TOC Circ

8 5/8 " 32 # CSG AT 4650 ' w/ 2000 sx
12 1/4 " HOLE TOC 200' by Temp Surv.

12622-42

RTBP @ 12,655

12666-686

5 1/2 " 17 # CSG. at 12745 w/ 3025 sx.
7 7/8 " HOLE TOC 3140' by T.S.

TD 12745
PBTD 12,700

Currently Producing

UNION TEXAS PETROLEUM

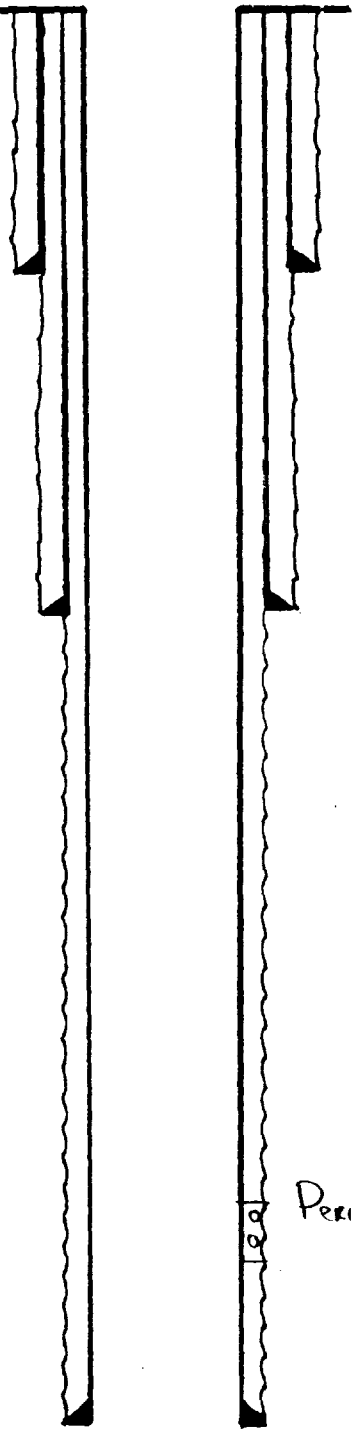
FIELD: South King Devonian

LEASE: Post WELL NO. 3

DATE: 1-85 SPUDDED: _____ COMP. 5-84

ELEV.: 3833 GL

LOCATION: 330 FNL and FWL
Sec 12, T-14-S, R-37-E
Lea County, N.M.



13 3/8 " 48 # CSG. at 420 w/ 500 sx.
17 1/2 " HOLE TOC Circ

8 5/8 " 32 # CSG AT 4671 ' w/ 2000 sx
12 1/4 " HOLE TOC Surface '

Perforations 12688 - 12808

5 1/2 " 17 # CSG. at 14,000 w/ 2900 sx.
7 7/8 " HOLE TOC 1000' by T.S.

TD 14,000
PBTD 13,955

# UNION TEXAS PETROLEUM

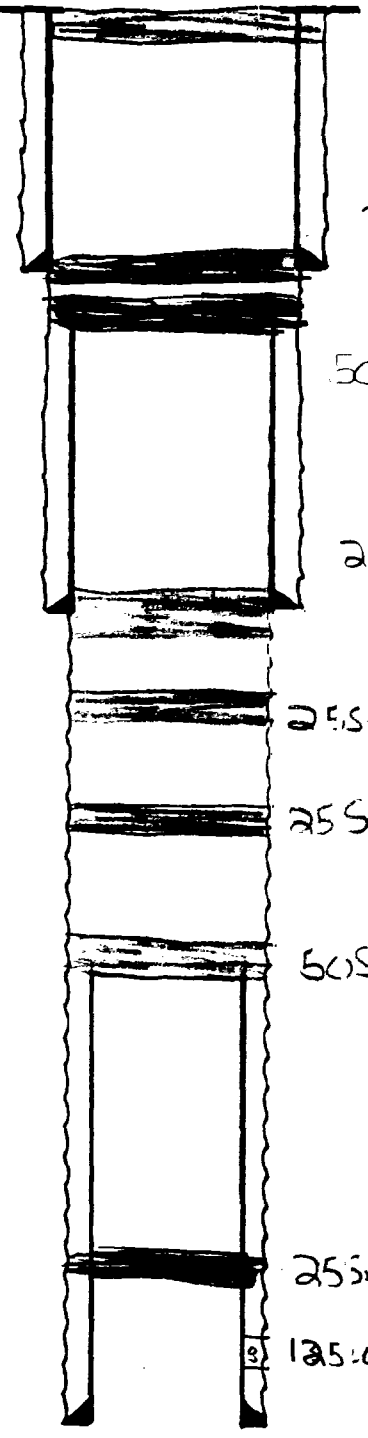
FIELD: Wildcat

LEASE: Trainer WELL NO. #1-King

DATE: 1-85 SPUDDED: _____ COMP. 7-6-85

ELEV.: 3844 DF

LOCATION: 660' FSL and 330' FEL
Section 2, T-14-S, R-37-E
Lea County, New Mexico



10 Sxs at Surface

25 Sxs 275-325

13 3/8 " ____ # CSG. at 308 w/ 300 sx. _____

17 1/2 " HOLE TOC Surface

50 Sxs across 9 5/8" stub at 1108

25 Sxs 4625-4700

9 5/8 " ____ # CSG at 4681 ' w/ 500 sx _____

12 1/4 " Hole TOC 3276 ' Calculated

25 Sx. at 5600

25 Sx at 7300

50 Sxs across 4 1/2" Stub at 8250

25 Sxs 12,300-12,888

125:0-12,633

4 1/2 " ____ # CSG. at 12,788 w/ 400 sx. _____

7 7/8 " HOLE TOC 11,242 Calc

TD 13000

PBTD _____

UNION TEXAS PETROLEUM

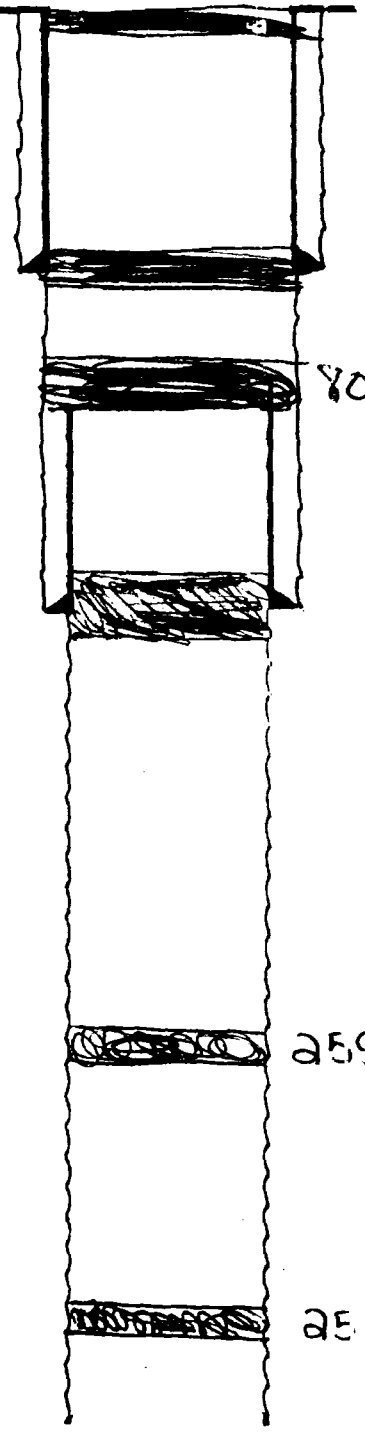
FIELD: South King Devonian

LEASE: Heidel WELL NO. 1

DATE: 1-85 SPUDDED: _____ COMP. 1968

ELEV.: 3827 GL

LOCATION: 1650' FSL and 2310' FEL
Sec 1, T-14-S, R-37-E
Lea County, New Mexico



15 Sxs at Surface

80 Sxs 247-355

13 3/8 " ____ # CSG. at 305 w/ 350 SX. _____
17 1/2 " HOLE TOC Circ

80 Sxs Plug From 1420-1525 Across 9 5/8" Stub

9 5/8 " ____ # CSG at 4661 ' w/ 750 sx _____
12 1/4 " Hole TOC 2554 '

25 Sxs at 9470

25 Sxs at 12,885

No 5 1/2" Casing Run

_____ " _____ # CSG. at _____ W/ _____ SX. _____
_____ " HOLE TOC _____

TD 13,005
PBTD _____

UNION TEXAS PETROLEUM

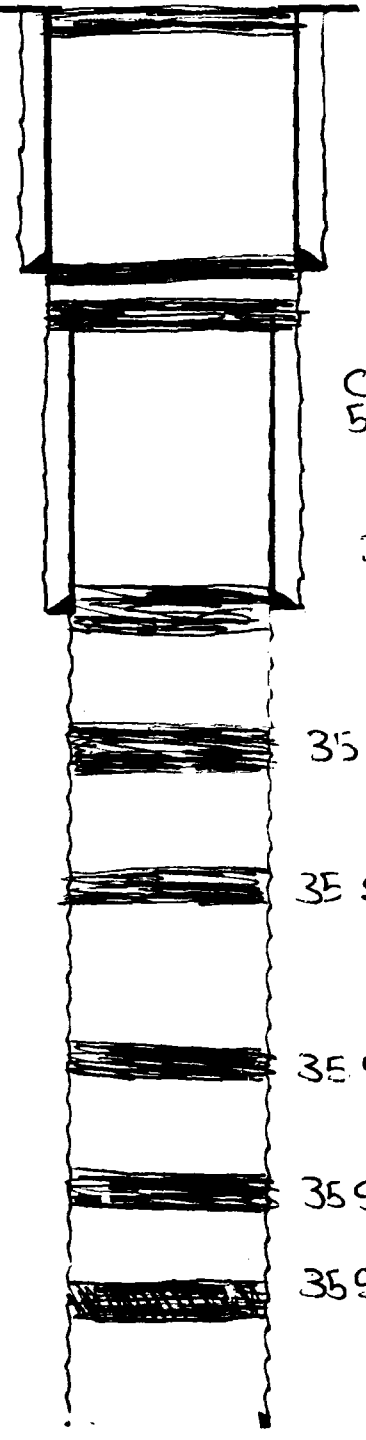
FIELD: Wildcat

LEASE: South King WELL NO. 1

DATE: 1-85 SPUDDED: _____ COMP. _____

ELEV.: 3837' GL

LOCATION: 1200' FSL and 660' FEL
Sec. 2 T-14-S R-37-E
Lea County, N.M.



10 Sxs at Sfc

12 3/4 " _____ # CSG. at 380 W/ 400 SX. _____
17 1/2 " HOLE TOC Circ

Cut 8 5/8" at 1229
50 Sxs 1260-1160

35 Sxs 4740-4640

8 5/8 " _____ # CSG at 4690 ' w/ 425 sx _____
11 " Hole TOC 3845 ' Calc

35 Sxs 6150-6050

35 Sxs 8010-7910

35 Sxs 9480-380

35 Sxs 11,550-450

35 Sxs at 12570-470

Production Casing Never Set

_____ " _____ # CSG. at _____ W/ _____ SX. _____
_____ " HOLE TOC _____

TD 13,100
PBTD _____

UNION TEXAS PETROLEUM

FIELD: King

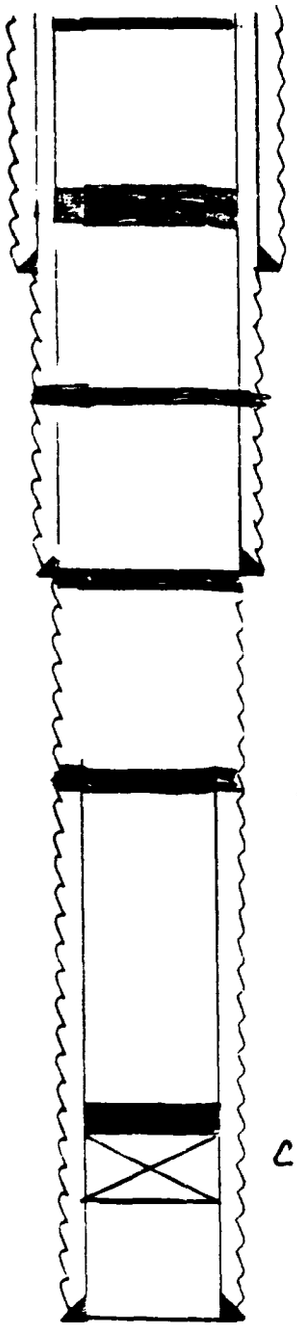
LEASE: McCrory WELL NO. 1

DATE: 5/83 SPUDDED: 9/28 COMP. 12/28

ELEV.: 3837 GR

LOCATION: 2321 FNL & 330 FWL
Sec. 1, T-14-S, R-37-E
Lea County, New Mexico

P&A 9.14-70



15 sx plug at surface

50 sx plug at csg. 5400

13 3/8" ____ # CSG. at 368 w/ 400 SX. _____
_____ " HOLE TOC _____

25 sx plug at 1130

8 5/8" ____ # CSG. at 4645 w/ 535 SX. _____
_____ " HOLE TOC _____

25 sx plug at 4645

25 sx plug at 5208 Across 5½" Casing Stub

CIBP at 10820 w/20' plug on Top

5½" ____ # CSG. at 11220 w/ 300 SX. _____
_____ " HOLE TOC _____

TD 12901
PBTD 11100