ALLIED Union Texas Petroleum

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

February 13, 1985

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

BEFORE EXAMINER QUINTANA
OIL CONSERVATION DIVISION
UNION TEXAS EXHIBIT NO. 1
CASE NO. 8523

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. _____

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 or 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' (-8852') 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

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well: DRILL ☐ DEEPEN ☐ PLUG BACK ☒
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 12,810'. 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 _____ 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 COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

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.

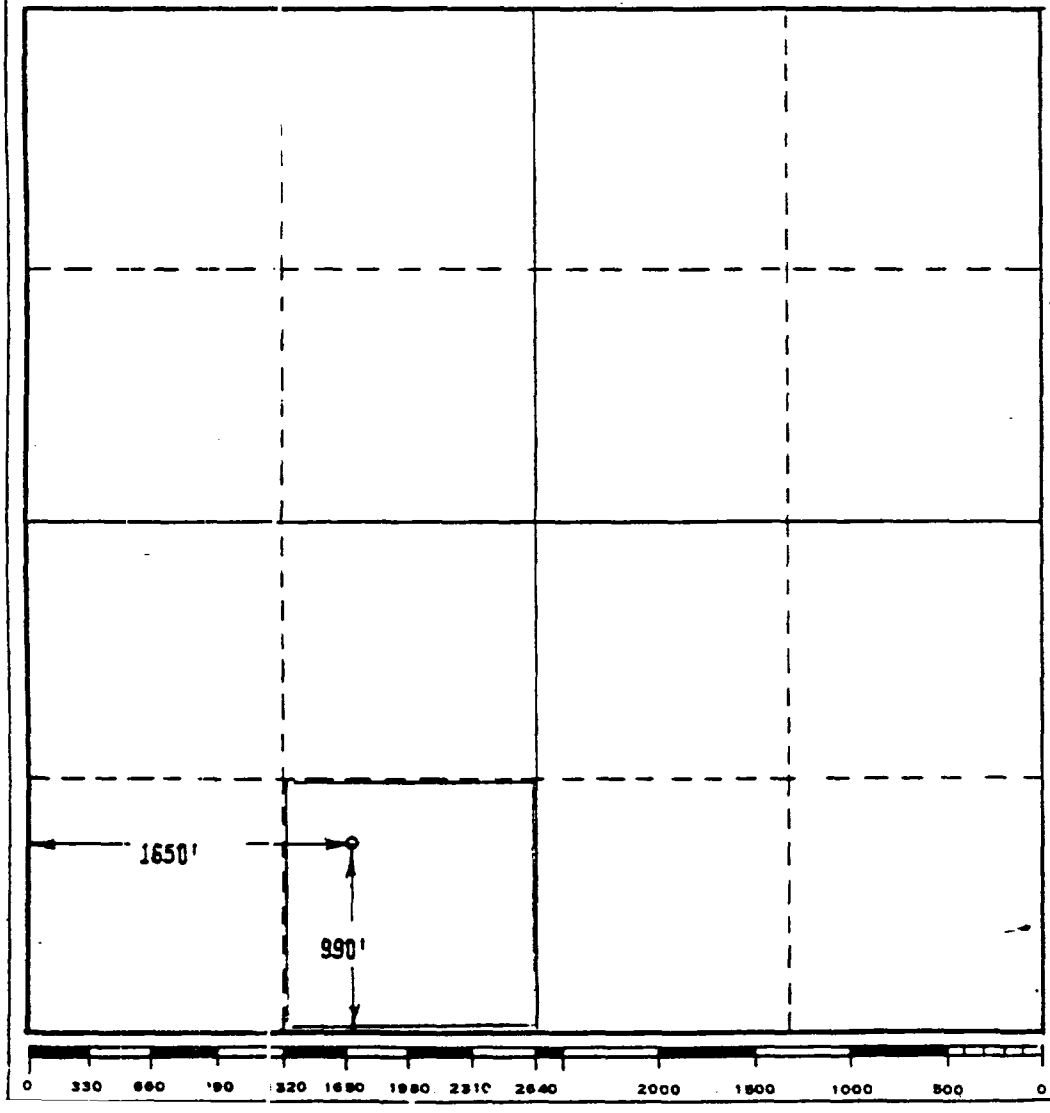
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

Certificate No. 4882

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

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

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 _____ TITLE Regul. Compl. Coordinator DATE 2-13-85

APPROVED BY _____ TITLE _____ DATE _____

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 2/8

ALLIED Union Texas Petroleum

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

February 13, 1985

TO: All Surface Owners & Offset Operators

Gentlemen:

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 5-1/2" 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

WAH/gad
Attachment

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

ALLIED Union Texas Petroleum

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

February 13, 1985

Hobbs Daily News Sun
Box 860
Hobbs, New Mexico 80240

Re: Request for publishing of "Legal Notice"

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 5-1/2" 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.

Printing of this legal notice in your newspaper and returning a clipping along with an affidavit of publication at your earliest convenience will be greatly appreciated.

UNION TEXAS PETROLEUM CORPORATION

W. A. Higgins
Regulatory Compliance Coordinator

WAH/gad
Attachment

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°
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	115

UNION TEXAS PETROLEUM

ANALYSIS OF WATER TO BE DISPOSED

POST #1 WELL

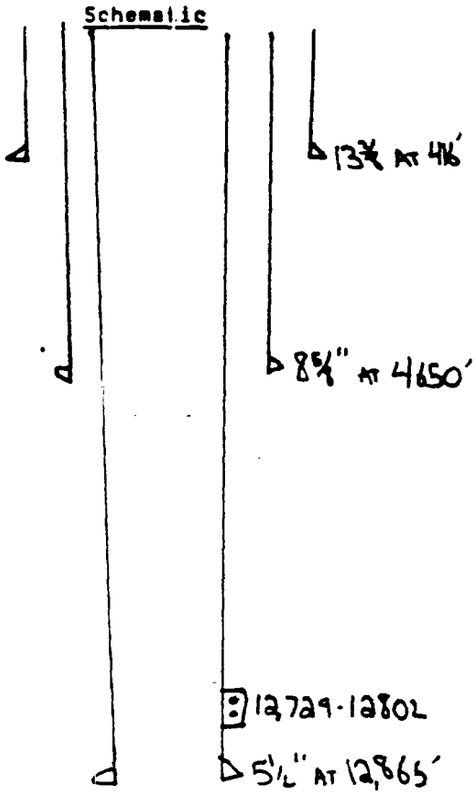
Reservoir	Devonian
Specific Gravity	1.0620
HCO3	200 mg/l
$CaCO_3$	15,000 mg/l
Ca	3560 mg/l
Mg	1482 mg/l
Na,K	26926 mg/l
SO_4	1704 mg/l
Cl	50,779 mg/l
Fe	43.7
Total Solids	84,651 mg/l
H_2S	0
Rw at 77°F	0.110

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



Tubular 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 any 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 ☒ 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

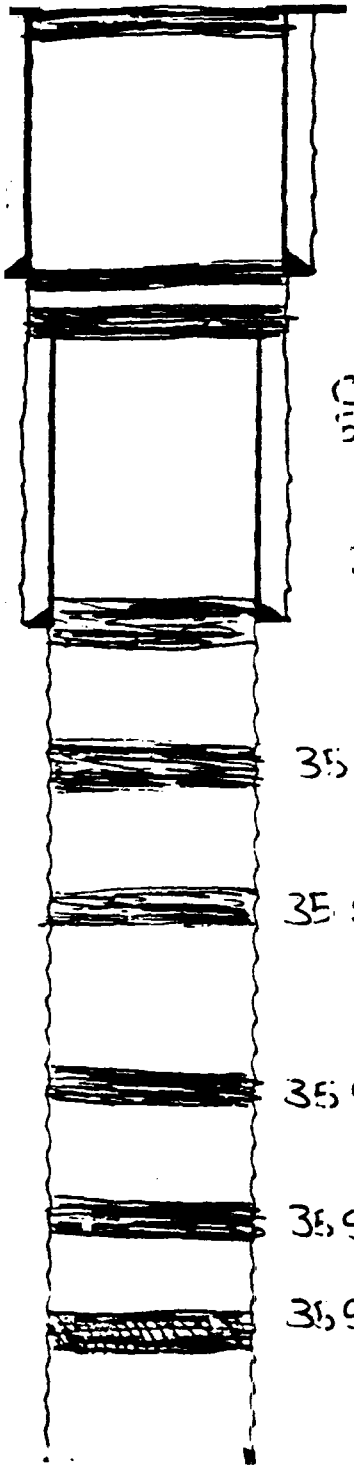
FIELD: Wildcat

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. _____
17½ " 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 Not Set

____ " ____ # CSG. at ____ w/ ____ sx. _____
____ " HOLE TOC _____

TD 13,100

UNION TEXAS PETROLEUM

Currently Producing

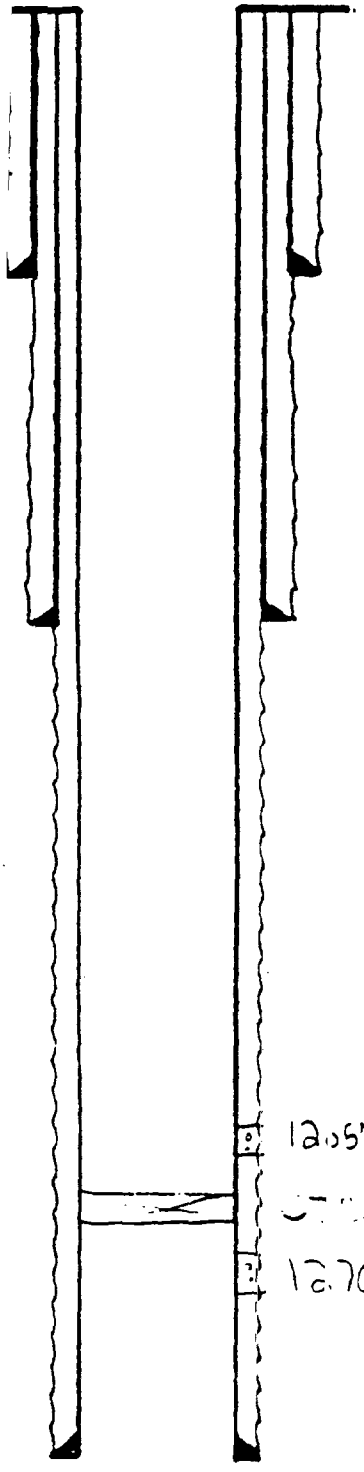
FIELD: SOUTH KING DEVONIAN

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, NEW MEXICO



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

8 5/8" 32# CSG AT 4667' w/ 2200 SX
12 1/4" HOLE TOC 2760' TS'

12,057-670

CIBP AT 12695'

12,706-18

5 1/2" 17.20# CSG. at 12,7[illegible] w/ 2775 SX.
7 7/8" HOLE TOC 6400' TS

UNION TEXAS PETROLEUM

Currently Producing

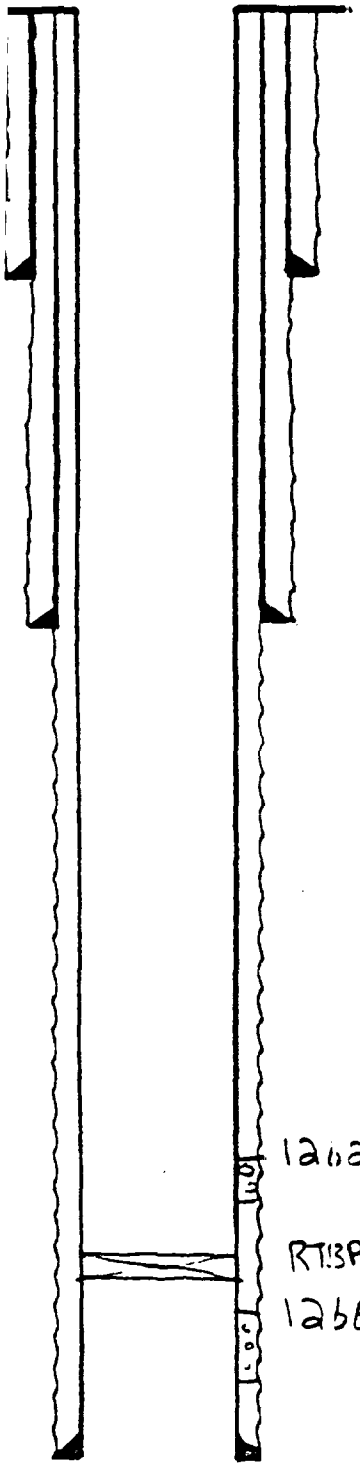
FIELD: South King Devonian

LEASE: Poer 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.

12,022-42

RTBP @ 12,655

12,666-686

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

TD 12745

Currently Producing

UNION TEXAS PETROLEUM

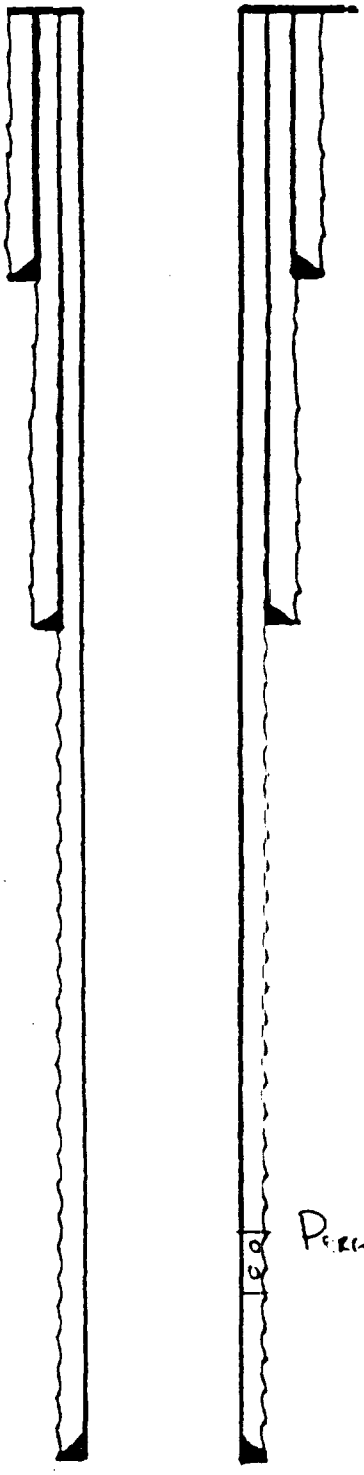
FIELD: South King Devonian

LEASE: Post WELL NO. 3

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

ELEV.: 3933 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 '

5 1/2 " 17 # CSG. at 14,000 w/ 2900 sx.
7 7/8 " HOLE TOC 10000' by T.S.

-- 14,000

UNION TEXAS PETROLEUM

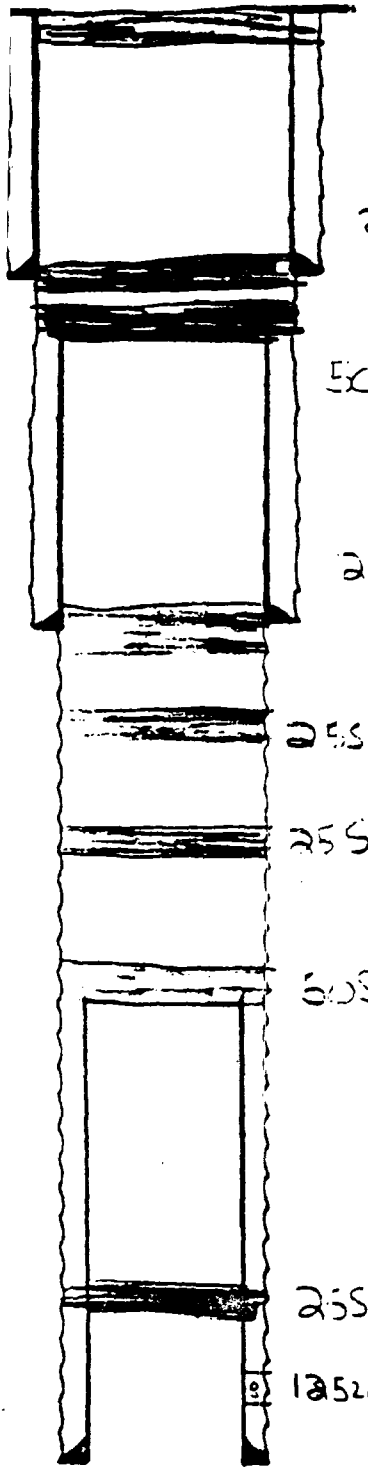
FIELD: Wildcat

LEASE: Trainer WELL NO. #1-K Mno

DATE: 1-85 SPUDDED: _____ COMP. 7-65

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 1109

25 Sxs 4625-4700

9 5/8 " ____ # CSG at 4681' w/ 500 sx _____
12 1/4 " HOLE TOC 3276' Calculated

25 Sxs at 5600

25 Sxs at 7300

50 Sxs across 4 1/2" Liner at 9[illegible]

25 Sxs 12,300-12,633

13520-12,633

4 1/2 " ____ # CSG. at 12788 w/ 400 sx. _____
7 7/8 " HOLE TOC 11,342 Calc

-- 13000

UNION TEXAS PETROLEUM

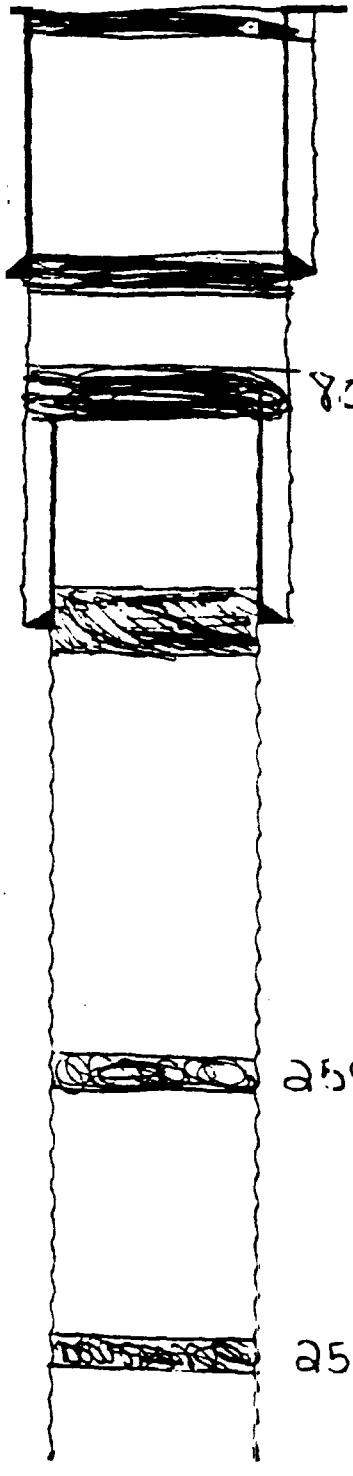
FIELD: South King Devonian

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

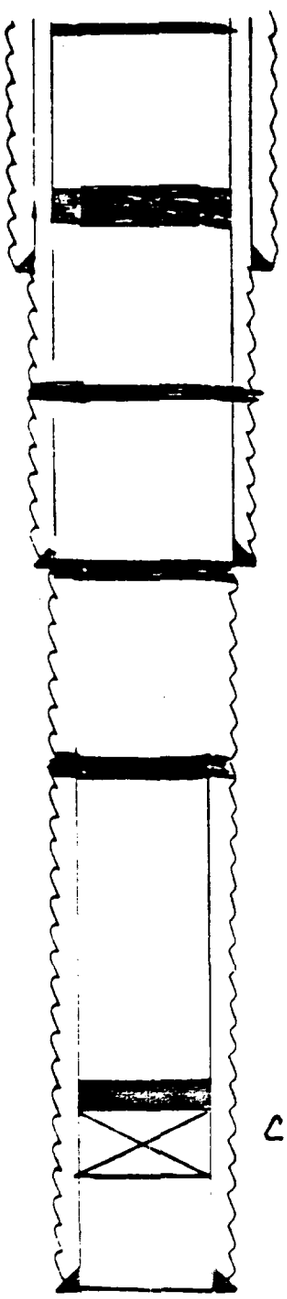
____ " ____ # CSG. at ____ w/ ____ SX. _____
____ " HOLE TOC _____

TD 13,005

UNION TEXAS PETROLEUM

FIELD: King
LEASE: McCrory WELL NO. 1
DATE: 5/23 SPUDDED: 9/68 COMP. 12/68
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 3/4" # CSG. at 368 w/ 400 SX.
" HOLE TOC

25 sx plug at 1130

8 5/8" # CSG. at 4445 w/ 535 SX.
" HOLE TOC

25 sx plug at 4445

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