

INFILL DRILLING FINDINGS PURSUANT TO  
SECTION 271.305(b) OF THE FEDERAL ENERGY REGULATORY  
COMMISSION REGULATIONS, NATURAL GAS POLICY ACT OF 1978  
AND OIL CONSERVATION DIVISION ORDER NO. R-6013-A

I.

Operator Union Texas Petr. Corp. Well Name and No. Langlie-Jal Unit No. 98

Location: Unit I Sec. 32 Twp. 24S Rng. 37E Cty. Lea

II.

THE DIVISION FINDS:

(1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.

(2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.

(3) That the well for which a finding is sought is completed in the Langlie-Mattix Pool, and the standard spacing unit in said pool is 40 acres.

(4) That a 40-acre proration unit comprising the NE/4 SE/4 of Sec. 32, Twp. 24S, Rng. 37E, is currently dedicated to the Langlie-Jal Unit Well No. 22 located in Unit I of said section.

(5) That this proration unit is (☒) standard ( ) nonstandard; if nonstandard, said unit was previously approved by Order No. NA.

(6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.

(7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 51,000 MCF of gas from the proration unit which would not otherwise be recovered.

(8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.

(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

(1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on this 11 day of October, 19 84.

cc: OCD HOBBS  
Well File .SF

Michael E. Stogor  
DIVISION DIRECTOR

EXAMINER ✓

Received 2/13/84

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

ADMINISTRATIVE ORDER  
NFL 99

INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER  
MADE PURSUANT TO SECTION 271.305(b) OF THE  
FEDERAL ENERGY REGULATORY COMMISSION REGULATIONS,  
NATURAL GAS POLICY ACT OF 1978 AND OIL CONSERVATION DIVISION  
ORDER NO. R-6013

I.

Operator Union Texas Petroleum Corporation Well Name and No. Langlie-Jul Unit Well No. 98  
Location: Unit I Sec. 32 Twp. 24 South Rng. 37 East Cty. Lea

II.

THE DIVISION FINDS:

(1) That Section 271.305(b) of the Federal Energy Regulatory Commission Interim Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find, prior to the commencement of drilling, that the well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit, and must grant a waiver of existing well-spacing requirements.

(2) That by Order No. R-6013, dated June 7, 1979, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.

(3) That the well for which a finding is sought is to be completed in the Langlie-Mattie Pool, and the standard spacing unit in said pool is 40 acres.

(4) That a 40-acre proration unit comprising the NE 1/4 SE 1/4 of Sec. 32, Twp. 24 South, Rng. 37 East, is currently dedicated to the Langlie-Jul Unit Well No. 22 located in Unit I of said section.

(5) That this proration unit is ( ☒ standard ( ) nonstandard; if nonstandard, said unit was previously approved by Order No. NA ).

(6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.

(7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 51,000 MCF of gas from the proration unit which would not otherwise be recovered.

(8) That all the requirements of Order No. R-6013 have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.

(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved as an exception to the standard well spacing requirements for the pool.

IT IS THEREFORE ORDERED:

(1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is an exception to applicable well spacing requirements and is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

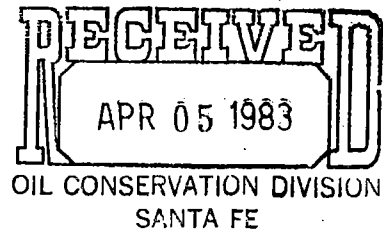
DONE at Santa Fe, New Mexico, on this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

CL-000 Hdd  
Well File

DIVISION DIRECTOR \_\_\_\_\_ EXAMINER \_\_\_\_\_

**Union Texas  
Petroleum**

One Riverway  
P. O. Box 2120  
Houston, Texas 77252  
(713) 960-7500



March 25, 1983

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Michael E. Stogner

Reference: Langlie-Jal 98  
Lea County, New Mexico

Gentlemen:

Please find enclosed a copy of the permit to drill and a well plat for the subject well.

I hope that this will enable you to place our application in line for proper hearing procedures.

Yours truly,

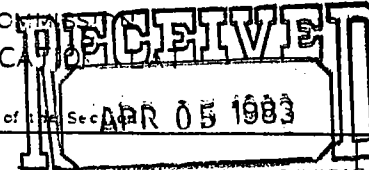
UNION TEXAS PETROLEUM CORPORATION

*Maria L Estruch*  
Maria L. Estruch  
Natural Gas Operations

MLE:bm

Encl.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION



Form C-102  
Supersedes C-126  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator <b>Union Texas Petroleum Corp.</b>		Lease <b>Langlie-Mattix</b>		Well No. <b>98</b>	
Unit Letter <b>I</b>	Section <b>32</b>	Township <b>24-S</b>	Range <b>37-E</b>	County <b>SANTA FE</b> <b>Lea</b>	

Actual, Proposed Location of Well:

<b>1200</b>	feet from the <b>East</b>	Line and <b>1422</b>	feet from the <b>South</b>	Line
Ground Level Elev. <b>3248.2</b>	Producing Formation <b>Seven Rivers Queen</b>	Pool <b>Langlie Mattix (Queen)</b>	Dedicated Acreage: <b>20</b> 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.

*Richard Atchley*

Name  
**Richard Atchley**  
Position  
**Prod. Services Supr.**  
Company  
**Union Texas Pet. Corp.**

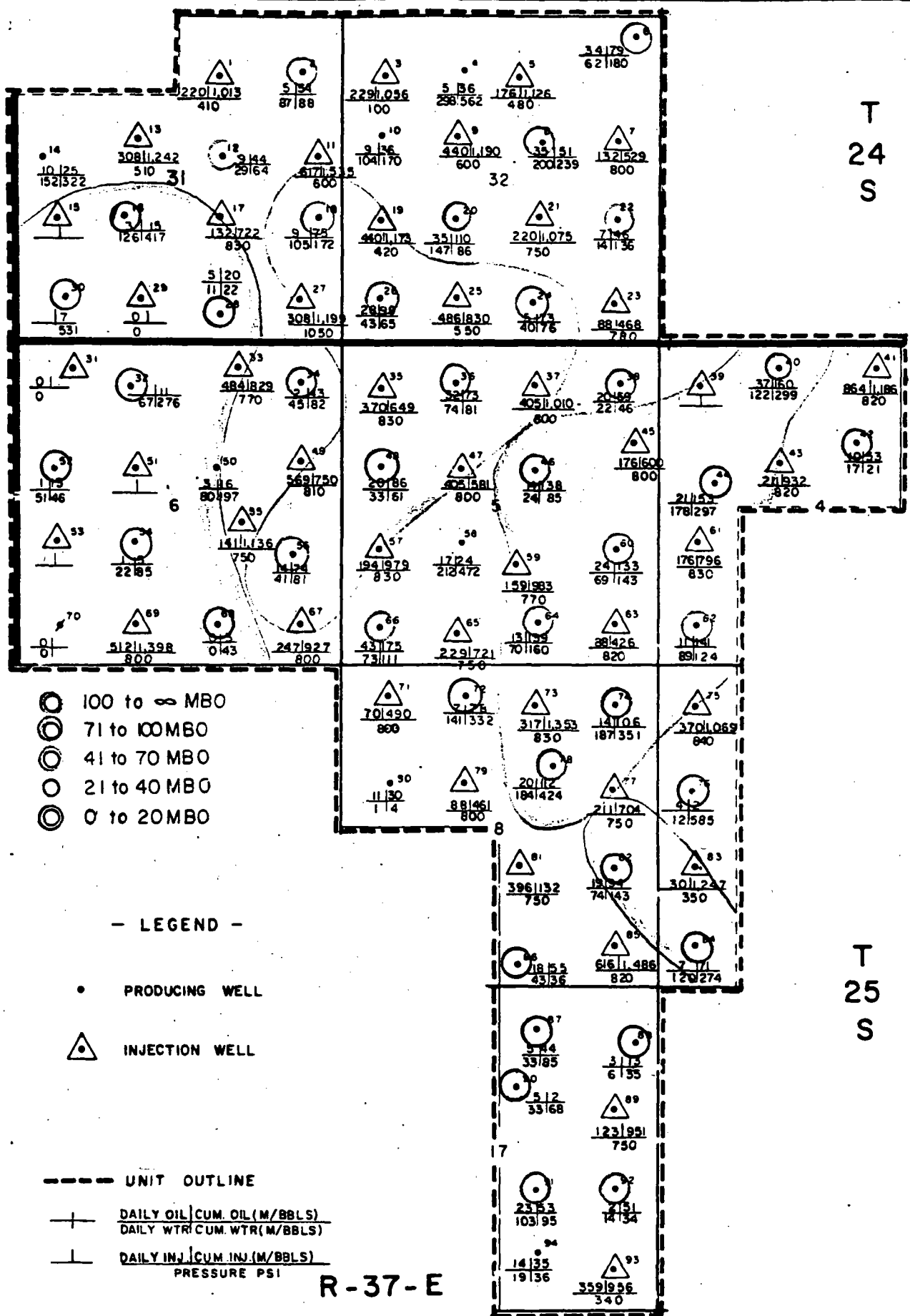
Date  
**June 1, 1982**

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.

Date Surveyed  
**May 22, 1982**  
Registered Professional Engineer  
and or Land Surveyor

*M. E. Shaw*

3189



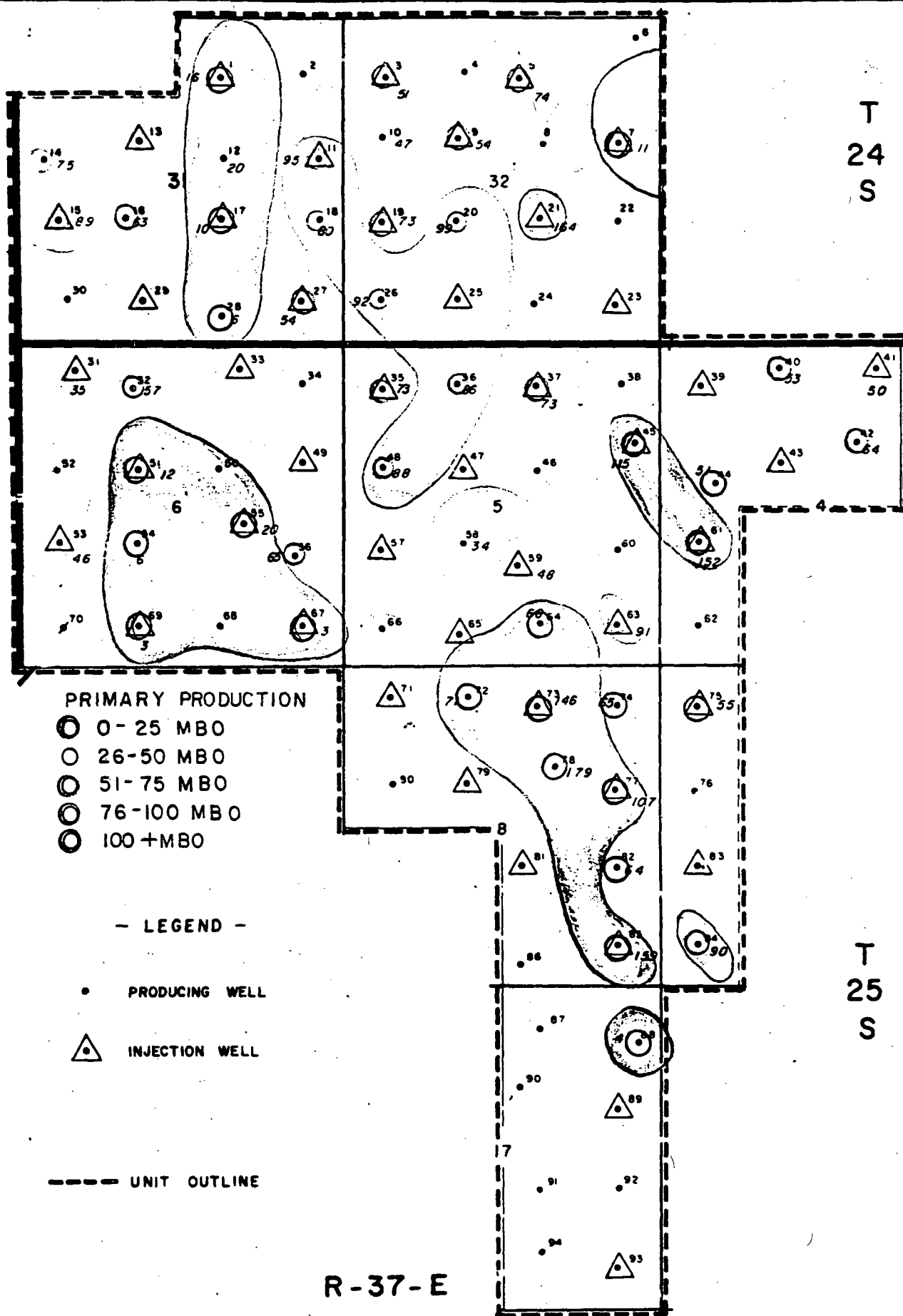
UNION TEXAS PETROLEUM  
A DIVISION OF ALLIED CHEMICAL CORPORATION

**LANGLIE-JAL UNIT**  
LEA COUNTY, NEW MEXICO

**SECONDARY RECOVERY**  
Well Test Data  
Month: July 81

SCALE IN FEET  
2000 0 2000 4000

S.M.F. SOUTHWEST DIVISION 2/24/82



UNION TEXAS PETROLEUM  
A DIVISION OF ALLIED CHEMICAL CORPORATION

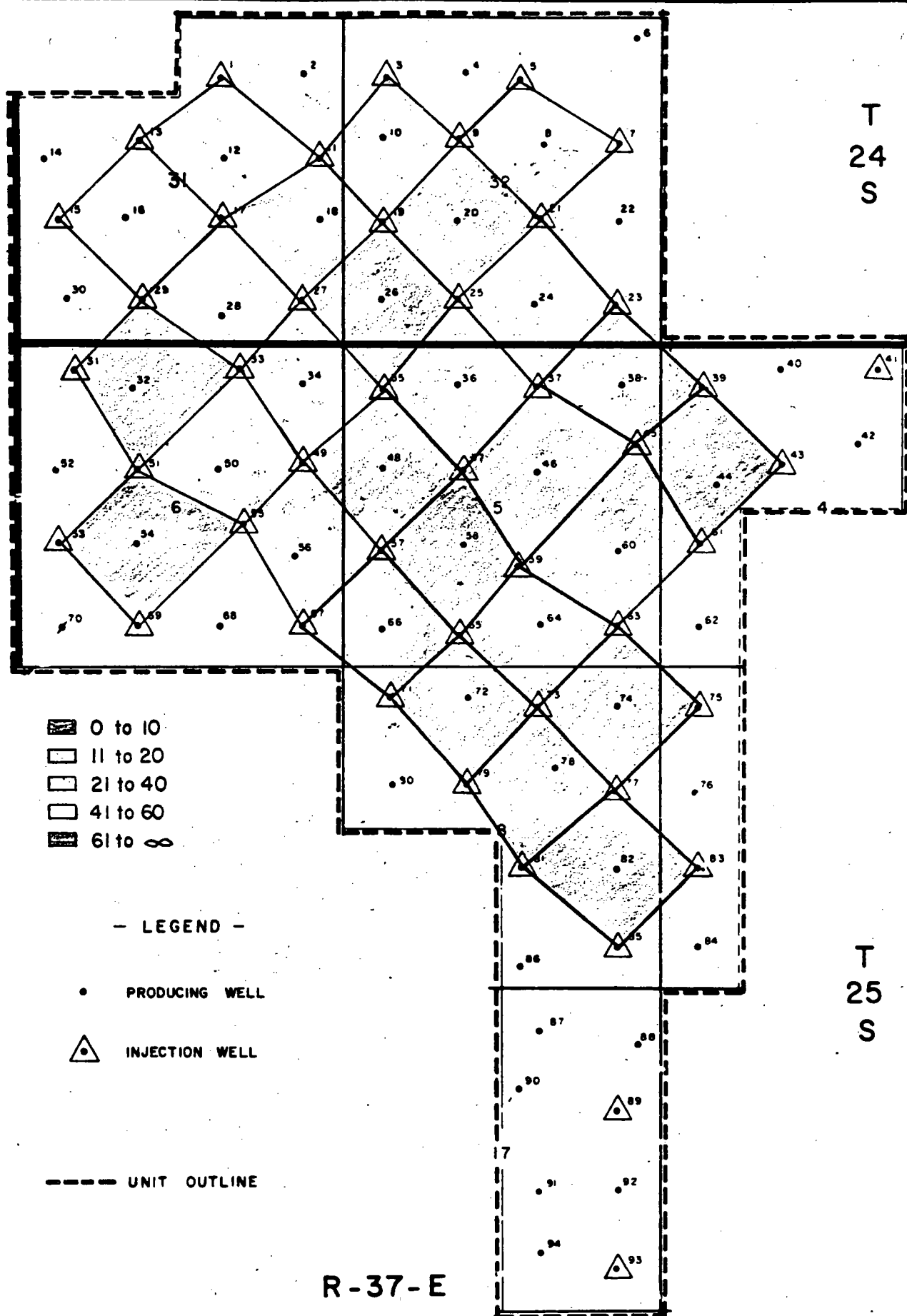
**LANGLIE-JAL UNIT**  
LEA COUNTY, NEW MEXICO

**PRIMARY PRODUCTION**

SCALE IN FEET

2000 0 2000 4000

S.M.F. SOUTHWEST DIVISION 2/24/82



UNION TEXAS PETROLEUM  
A DIVISION OF ALLIED CHEMICAL CORPORATION

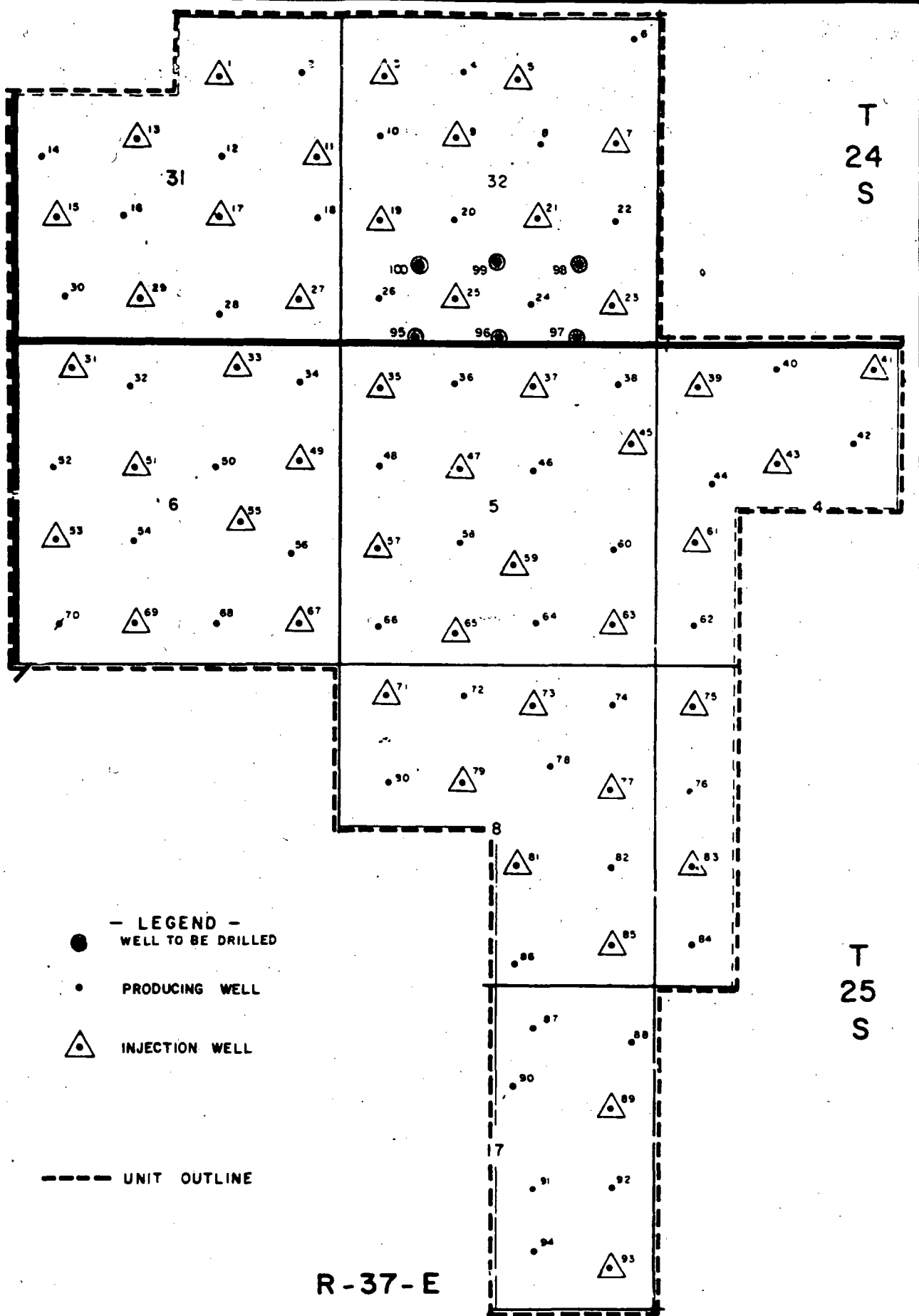
**LANGLIE-JAL UNIT**  
LEA COUNTY, NEW MEXICO

**WATER INJECTED / OIL PRODUCED**

SCALE IN FEET

2000 0 2000 4000

S. M. F.      SOUTHWEST DIVISION      2/24/82



UNION TEXAS PETROLEUM  
A DIVISION OF ALLIED CHEMICAL CORPORATION

**LANGLIE-JAL UNIT**  
LEA COUNTY, NEW MEXICO

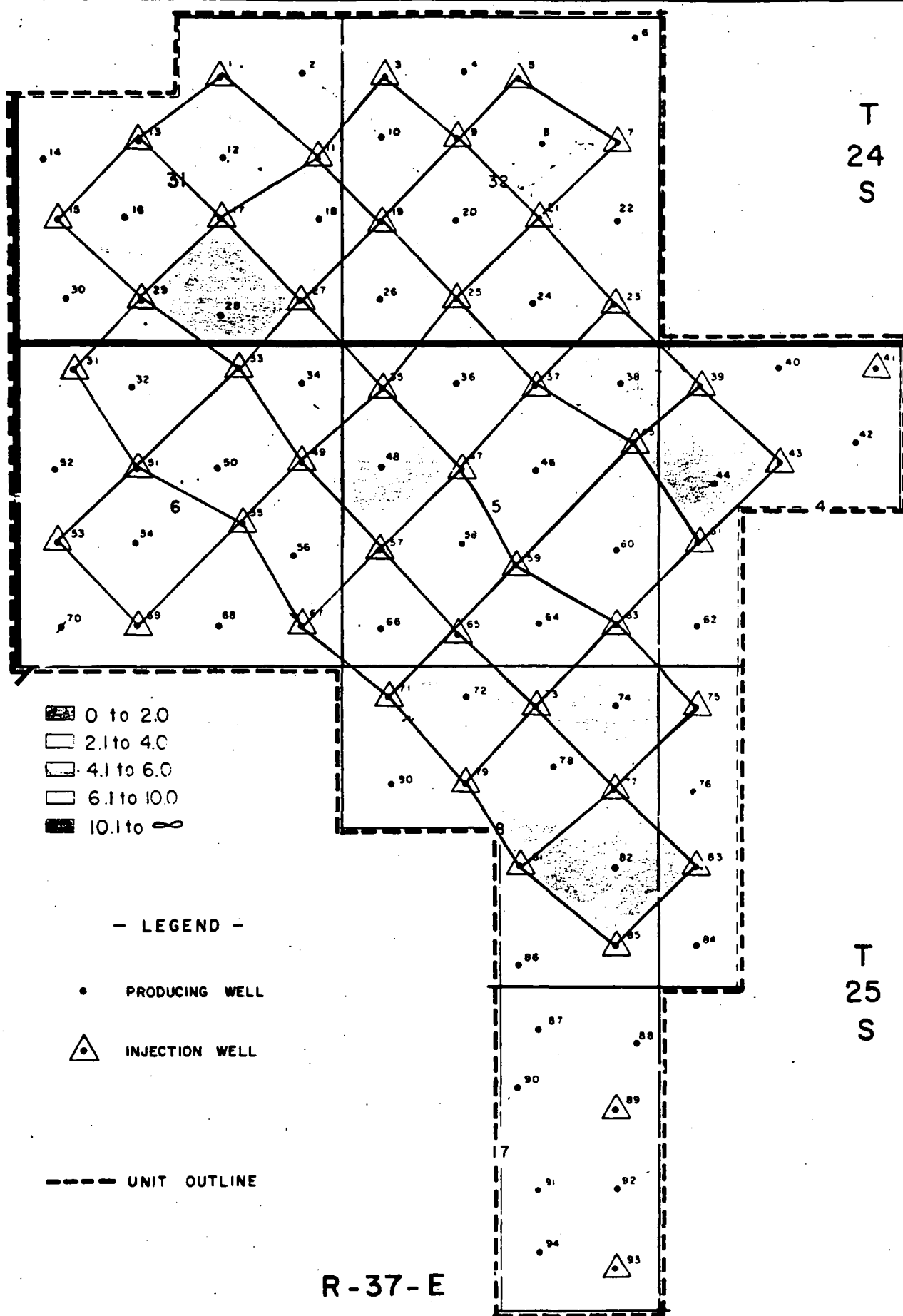
**INFIELD WELL LOCATIONS**

SCALE IN FEET

2000 0 2000 4000

S M F.      SOUTHWEST DIVISION      2/24/82





UNION TEXAS PETROLEUM  
A DIVISION OF ALLIED CHEMICAL CORPORATION

**LANGLIE - JAL UNIT**  
LEA COUNTY, NEW MEXICO

**WATER INJECTED**  
**TOTAL FLUID PRODUCED**

SCALE IN FEET  
2000 0 2000 4000

S M F      SOUTHWEST DIVISION      2/24/82



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

July 21, 1982

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

Union Texas Petroleum  
1300 Wilco Building  
Midland, Texas 79701

Attention: Richard Atchley

Correction  
Administrative Order NSL-1545

Gentlemen:

Reference is made to your application for the amendment of three non-standard locations and the addition of three non-standard locations in Lea County, New Mexico, as follows:

Well No. 95-M located 140' FSL & 1250' FWL;  
Well No. 96-N located 140' FSL & 2600' FWL;  
Well No. 97-P located 140' FSL & 1200' FEL;  
Well No. 98-I located 1422' FSL & 1200' FEL;  
Well No. 99-K located 1424' FSL & 2650' FWL; and  
Well No. 100-L located 1426' FSL & 1300' FWL,

all in Section 32, Township 24 South, Range 37 East,  
Langlie-Jal Unit.

By authority granted me under the provisions of Rule 104 F of the Division Rules and Regulations, the above-described unorthodox location is hereby approved.

Sincerely,

JOE D. RAMEY,  
Director

JDR/RLS/dr

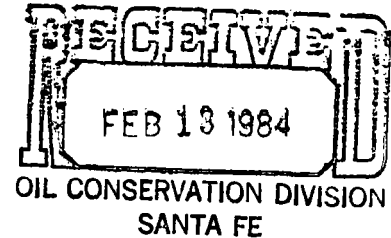
cc: Oil Conservation Division - Hobbs  
Oil & Gas Engineering Committee - Hobbs

**Union Texas  
Petroleum**

One Riverway  
P. O. Box 2120  
Houston, Texas 77252  
(713) 960-7500

February 8, 1984

New Mexico Dept. of Energy & Minerals  
Oil Conservation Division  
P. O. Box 2088  
Sante Fe, New Mexico 87501



Attn: Mr. Mike Stogner

RE: Langlie Jal No. 98.

Dear Mike:

In order to comply with NMOCD Order No. R-6013-A, the responses have been broken into two parts:

- PART 1 - Answered by this office.
- PART 2 - Answered by the district engineer.

The part answered by the district was based on the infill well format posed by the Texas Railroad Commission. This was done in order to provide more specific detail in our response.

I hope this will enable you to complete the filing process; however, if additional information is needed, please call me at (713) 960-7805.

Yours truly,

*Ralph Stanley*

Ralph Stanley  
Natural Gas Operations

RES/kg

PBQ:0084:-1-

LANGLIE JAL UNIT WELL NO. 98

1. A recent reservoir study indicated that porosity stringers in the Seven Rivers-Queen formations (the unitized interval) of the Langlie Jal Unit varied in quantity and quality from well to well. In order to decrease the discontinuity it was proposed that an infill well pilot project be undertaken. Infill drilling to decrease discontinuity thereby increasing flood efficiency has been successful in other areas and is expected to be so at the Langlie Jal Unit.
2. The infill drilling of Langlie Jal Unit Well No. 98 will be part of a project to increase well density from 40 acres per well and 80 acre 5-spot patterns to 20 acres per well and 80 acre 9-spot patterns with an option to go to 40 acre 5-spot patterns.
3. Based on an initial production of 15 BOPD, a GOR of 1900 and a unit production decline of 20%, reserves for this well are estimated at 27,400 BO and 51 MMCF gas.
4. The cumulative production from the Langlie Jal Unit Well No. 26 is 56 MBO (gas production not available). This well shares the standard 40 acre proration unit with Well No. 98.
5. There is no future production from Langlie Jal Unit Well No. 22. This well was converted to injection service on 1/21/84 to complete the 40 acre 5-spot patterns.
6. The estimate of remaining recoverable reserves, that the original well could not recover is 27,400 STBO and 51 MMCF gas.
7. The estimated recovery of the Langlie Jal Unit No. 98 is 27,400 STBO and 51 MMCF gas.

1/31/84  
SMF/sf

**Langlie Jal No. 98**

Pool:	Langlie Mattix (Queen)
Dedicated Acreage:	<del>4020</del> Acres
Location:	Section 32-I, TWP. 24-S, Range 37-E 1422' FSL and 1200' FEL
Spud Date:	7/26/82
Completion Date:	8/28/82



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

KING  
FOR

Union Texas Petroleum Corporation  
P.O. Box 2120  
Houston, Texas 77001

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

*Attention: Stephen H. Nelson*

Re: Well head price ceiling  
determination, NGPA of  
1978

Gentlemen:

The New Mexico Oil Conservation Division has received your application for a wellhead price ceiling category determination under the sections(s) of the Natural Gas Policy Act of 1978 indicated below if your application is incomplete, forms are attached hereto, indicating the documents and further information which must be filed before your application can be considered. If your application is complete, it will be acted upon administratively unless written objection is received within 15 days of its filing.

WELL NAME AND LOCATION Langlei Jal Unit #98-I 32-24S-37E

SECTION(S) APPLIED FOR 103

DATE APPLICATION RECEIVED January 19, 1983

APPLICATION INCOMPLETE Obtain an infill well finding pursuant to NMOC Order  
No. R-6013-A.

*4/11/83*

*M.S.*

Sincerely,

*attached*

DATE: January 24, 1983

*Michael E. Stagner*

NOTE:

THIS FORM LETTER MUST ACCOMPANY TWO COPIES OF THE SUPPLEMENTARY INFORMATION.

## EXHIBIT B

### EFFECTIVE AND EFFICIENT DRAINAGE FINDING

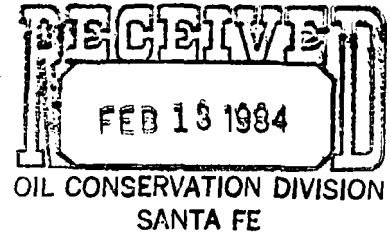
1. SUBMIT A DETAILED DESCRIPTION OF THE CIRCUMSTANCES NECESSITATING DRILLING OF ADDITIONAL WELL(S) ON THE PRORATION UNIT FOR EACH WELL. (I.E., MECHANICAL DIFFICULTY, RESERVOIR CHARACTERISTICS).
2. PROVE THE PRORATION UNIT TO BE REASONABLY PRODUCTIVE (I.E., STRUCTURE MAP ILLUSTRATING GAS-WATER CONTACTS AND RESERVOIR LIMITS OR OFFSET PRODUCTION IN THE SAME RESERVOIR).
3. CALCULATE THE ORIGINAL RECOVERABLE GAS IN PLACE OF PRORATION UNIT (I.E., VOLUMETRIC CALCULATION USING RECOVERY FACTOR OR OTHER ACCEPTED ENGINEERING CALCULATIONS SUCH AS P/Z PLOT VS. CUMULATIVE PRODUCTION OF PRORATION UNIT). SHOW WORK.
4. PROVIDE CUMULATIVE PRODUCTION TO DATE OR ORIGINAL WELL ON PRORATION UNIT.
5. SUBMIT AN ESTIMATION OF FUTURE RECOVERY FROM ORIGINAL WELL IF THE ORIGINAL WELL IS STILL PRODUCTIVE. SHOW WORK
6. ESTIMATE THE REMAINING RECOVERABLE RESERVES THAT THE ORIGINAL WELL ON THE PRORATION UNIT IS NOT CAPABLE OF RECOVERING. SHOW WORK.
7. ESTIMATE THE RECOVERY OF EACH ADDITIONAL WELL.

**Union Texas  
Petroleum**

One Riverway  
P. O. Box 2120  
Houston, Texas 77252  
(713) 960-7500

February 8, 1984

New Mexico Dept. of Energy & Minerals  
Oil Conservation Division  
P. O. Box 2088  
Sante Fe, New Mexico 87501



Attn: Mr. Mike Stogner

RE: Langlie Jal No. 98

Dear Mike:

In order to comply with NMOCD Order No. R-6013-A, the responses have been broken into two parts:

- PART 1 - Answered by this office
- PART 2 - Answered by the district engineer.

The part answered by the district was based on the infill well format posed by the Texas Railroad Commission. This was done in order to provide more specific detail in our response.

I hope this will enable you to complete the filing process; however, if additional information is needed, please call me at (713) 960-7805.

Yours truly,

*Ralph Stanley*

Ralph Stanley  
Natural Gas Operations

RES/kg

PBQ:0084:-1-



**Langlie Jal No. 98**

Pool:	Langlie Mattix (Queen)
Dedicated Acreage:	20 Acres
Location:	Section 32-I, TWP. 24-S, Range 37-E 1422' FSL and 1200' FEL
Spud Date:	7/26/82
Completion Date:	8/28/82



STATE OF NEW MEXICO  
ENERG. AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

Union Texas Petroleum Corporation  
P.O. Box 2120  
Houston, Texas 77001

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-3434

Attention: Stephen H. Altom

Re: Well head price ceiling  
determination, NGPA of  
1978

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The New Mexico Oil Conservation Division has received your application for a wellhead price ceiling category determination under the sections(s) of the Natural Gas Policy Act of 1978 indicated below if your application is incomplete, forms are attached hereto, indicating the documents and further information which must be filed before your application can be considered. If your application is complete, it will be acted upon administratively unless written objection is received within 15 days of its filing.

WELL NAME AND LOCATION Langlei Jal Unit #98-I 32-24S-37E

SECTION(S) APPLIED FOR 103

DATE APPLICATION RECEIVED January 19, 1983

APPLICATION INCOMPLETE Obtain an oil well finding pursuant to NMCD Order  
4/11/83 No. R-6013-A.

M.S.

Sincerely,

attached

DATE:

January 24, 1983

Michael E. Stoyner

NOTE:

THIS FORM LETTER MUST ACCOMPANY TWO COPIES OF THE SUPPLEMENTARY INFORMATION.

## EXHIBIT B

### EFFECTIVE AND EFFICIENT DRAINAGE FINDING

1. SUBMIT A DETAILED DESCRIPTION OF THE CIRCUMSTANCES NECESSITATING DRILLING OF ADDITIONAL WELL(S) ON THE PRORATION UNIT FOR EACH WELL. (I.E., MECHANICAL DIFFICULTY, RESERVOIR CHARACTERISTICS).
2. PROVE THE PRORATION UNIT TO BE REASONABLY PRODUCTIVE (I.E., STRUCTURE MAP ILLUSTRATING GAS-WATER CONTACTS AND RESERVOIR LIMITS OR OFFSET PRODUCTION IN THE SAME RESERVOIR).
3. CALCULATE THE ORIGINAL RECOVERABLE GAS IN PLACE OF PRORATION UNIT (I.E., VOLUMETRIC CALCULATION USING RECOVERY FACTOR OR OTHER ACCEPTED ENGINEERING CALCULATIONS SUCH AS P/Z PLOT VS. CUMULATIVE PRODUCTION OF PRORATION UNIT). SHOW WORK.
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5. SUBMIT AN ESTIMATION OF FUTURE RECOVERY FROM ORIGINAL WELL IF THE ORIGINAL WELL IS STILL PRODUCTIVE. SHOW WORK
6. ESTIMATE THE REMAINING RECOVERABLE RESERVES THAT THE ORIGINAL WELL ON THE PRORATION UNIT IS NOT CAPABLE OF RECOVERING. SHOW WORK.
7. ESTIMATE THE RECOVERY OF EACH ADDITIONAL WELL.

LANGLIE JAL UNIT WELL NO. 98

1. A recent reservoir study indicated that porosity stringers in the Seven Rivers-Queen formations (the unitized interval) of the Langlie Jal Unit varied in quantity and quality from well to well. In order to decrease the discontinuity it was proposed that an infill well pilot project be undertaken. Infill drilling to decrease discontinuity thereby increasing flood efficiency has been successful in other areas and is expected to be so at the Langlie Jal Unit.
2. The infill drilling of Langlie Jal Unit Well No. 98 will be part of a project to increase well density from 40 acres per well and 80 acre 5-spot patterns to 20 acres per well and 80 acre 9-spot patterns with an option to go to 40 acre 5-spot patterns.
3. Based on an initial production of 15 BOPD, a GOR of 1900 and a unit production decline of 20%, reserves for this well are estimated at 27,400 BO and 51 MMCF gas.
4. The cumulative production from the Langlie Jal Unit Well No. 26 is 56 MBO (gas production not available). This well shares the standard 40 acre proration unit with Well No. 98.
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6. The estimate of remaining recoverable reserves, that the original well could not recover is 27,400 STBO and 51 MMCF gas.
7. The estimated recovery of the Langlie Jal Unit No. 98 is 27,400 STBO and 51 MMCF gas.

1/31/84  
SMF/sf

30-025-27543

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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 <input checked="" type="checkbox"/>	FED <input type="checkbox"/>
1. State Oil & Gas Lease No.	
7. Unit Agreement Name	
Langlie 1st Unit	
8. Field or Lease Name	
9. Well No.	
98	
10. Field and Pool, or Wildcat	
Langlie Mattix (Queen)	
17. County	
Lea	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

b. Type of Well

DRILL ☒ DEEPEN ☐ PLUG BACK ☐

OIL WELL ☒ GAS WELL ☐ OTHER ☐

SINGLE ZONE ☒ MULTIPLE ZONE ☐

c. Name of Operator

Union Texas Petroleum Corporation

d. Address of Operator

1300 Wilco Bldg. Midland, Texas 79701

e. Location of Well

UNIT LETTER I LOCATED 1422 FEET FROM THE South LINE

AND 1200 FEET FROM THE East LINE OF SEC. 32 TWP. 24-S RGE. 37-E NMPM

19. Proposed Depth

3700

19A. Formation

Seven Rivers Queen Rotary

20. History or C.T.

3248.2 GR Blanket

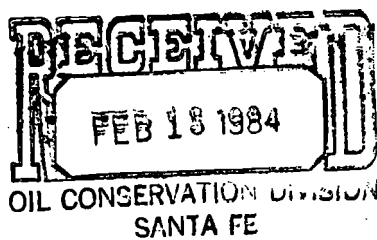
21. Drilling Contractor

22. Approx. Date Work will start

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	8-5/8	24#	800	600	Surface
7-7/8	5-1/2	14#	3700	700	Circulate

Propose to drill to depth of 3700' to the Seven Rivers - Queen formation.  
Blow-out preventors - 2000 psi MVP.



APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 11/2/83  
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAMS IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOW-OUT 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 Production Services Supervisor Date 5-22-83

(This space for State Use)  
ORIGINAL SIGNED BY [Signature]  
APPROVED BY GENE SEXTON TITLE \_\_\_\_\_ DATE JUL 7 1982  
ADDITIONAL APPROVALS [Signature]

Prior to producing this well, approval must be obtained for the unorthodox location.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-100  
Supersedes C-100  
Effective 10-65

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

Operator <b>Union Texas Petroleum Corp.</b>		Lease <b>Langlie-Jal Unit</b>		Well No. <b>98</b>
Unit Number <b>I</b>	Section <b>32</b>	Township <b>24-S</b>	Range <b>37-E</b>	County <b>Lea</b>
Actual Well Location of Wells				
<b>1200</b> feet from the <b>East</b>		<b>1422</b> feet from the <b>South</b>		
Ground Level Elev. <b>3248.2</b>	Producing Formation <b>Seven Rivers Queen</b>	Pool <b>Langlie Mattix (Queen)</b>	Dedicated Acreage: <b>20</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation \_\_\_\_\_

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

No allowable well 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.

*Richard Atchley*  
Name

Richard Atchley

Position  
Prod. Services Supr.

Company  
Union Texas Pet. Corp.

Date  
June 1, 1982

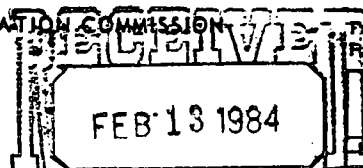
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**May 22 1982**  
Registered Professional Engineer  
and or State Surveyor

*W. E. Shaw*  
Signature

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION



Form C-101  
Revised 1-1-65

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

OIL CONSERVATION DIVISION  
SANTA FE

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

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		Langlie 1st Unit	
DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		8. Form or Lease Name	
SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			
2. Name of Operator		9. Well No.	
Union Texas Petroleum Corporation		98	
3. Address of Operator		10. Field and Pool, or Wildcat	
1300 Wilco Bldg. Midland, Texas 79701		Langlie Mattix (Queen)	
4. Location of Well		17. County	
UNIT LETTER <u>I</u> LOCATED <u>1422</u> FEET FROM THE <u>South</u> LINE		Lea	
AND <u>1200</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>32</u> TWP. <u>24-S</u> RGE. <u>37-E</u> NMPM			
11. Elevation (from whether D.T., R.L., etc.)		18. Proposed Depth	19A. Formation
3248.2 GR	21A. Kind & Status of Log Bond	3700	Seven Rivers Queen Rotary
Blanket	21B. Drilling Contractor	22. Approx. Date Work will start	

### PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	8-5/8	24#	800	600	Surface
7-7/8	5-1/2	14#	3700	700	Circulate

Propose to drill to depth of 3700' to the Seven Rivers - Queen formation.  
Blow-out preventors - 2000 psi MVP.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 1/2/83  
UNLESS DRILLING UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOW-OUT 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 Production Services Supervisor Date 5-28-82

(This space for State Use)

ORIGINAL SIGNED BY

APPROVED BY [Signature] TITLE STATE ENGINEER DATE JUL 7 1982

CONDITIONS OF APPROVAL (If any) SUPR.

Prior to producing this well, approval must be obtained for the unorthodox location.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-100  
Supersedes C-100  
Effective 1-1-81

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

Operator <b>Union Texas Petroleum Corp.</b>		Lease <b>Langlie-Jal Unit</b>		Well No. <b>98</b>
Section <b>I</b>	Section <b>32</b>	Township <b>24-S</b>	Range <b>37-E</b>	County <b>Lea</b>
Actual Surface Location of Well: <b>1200</b> feet from the <b>East</b> line and <b>1422</b> feet from the <b>South</b> line				
Ground Level Elev. <b>3248.2</b>	Producing Formation <b>Seven Rivers Queen</b>	Pool <b>Langlie Mattix (Queen)</b>	Dedicated Acreage: <b>20</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation \_\_\_\_\_

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

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

		<p><b>RECEIVED</b> <b>FEB 13 1984</b> <b>OIL CONSERVATION DIVISION</b> <b>SANTA FE</b></p>
<p><b>98</b> <b>1200</b></p>		<p><b>1422</b></p>

CERTIFICATION

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

*Richard Atchley*

Name  
**Richard Atchley**  
Position  
**Prod. Services Supr.**  
Company  
**Union Texas Pet. Corp.**

Date  
**June 1, 1982**

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.

Date Surveyed  
**May 22 1982**  
Registered Professional Engineer  
and or Land Surveyor

*Paul E. Shaw*



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

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

JAN 19 1983

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

Operator <b>Union Texas Petroleum Corp.</b>		Lessee <b>Langlie-Jal Unit</b>		Well No. <b>22</b>	
Unit Letter <b>I</b>	Section <b>32</b>	Township <b>24-S</b>	Range <b>37-E</b>	County <b>SANTA FE</b>	
Actual Footage Location of Well: <b>1200</b> feet from the <b>East</b> line and <b>1422</b> feet from the <b>South</b> line					
Ground Level, Elevation <b>3248.2</b>	Producing Formation <b>Seven Rivers Queen</b>		Foot <b>Langlie Mattix (Queen)</b>		Dedicated Acreage: <b>20 40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
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<p>Reading + Bates Oil &amp; Gas Co.; Humble L. State Well No. 3; 660' FNL 3300' FNL Spud: 4/13/39 Jalmat Tancill Producer</p>	
<p>Union Texas Petroleum Corp. Langlie-Jal Unit Well No. 22 660' FNL - 1830' FNL Spud: 8/31/73 Langlie-Mattix Producer → Cumulative as of 12/81 43426 BBL 61185 MCF/gas</p>	

CERTIFICATION

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

*Richard Atchley*

Name  
Richard Atchley

Position  
Prod. Services Supr.

Company  
Union Texas Pet. Corp.

Date  
June 1, 1982

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Date Surveyed  
MAY 22 1982

Registered Professional Engineer and/or Land Surveyor

*M. E. L. Shaw*

2189

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

Form C-102  
Superseded C-128  
Effective 1-1-65

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

JAN 19 1983

Operator <b>Union Texas Petroleum Corp.</b>		Lease <b>Langlie-Jal Unit</b>		Conservation Division <b>8</b>	
Unit Letter <b>I</b>	Section <b>32</b>	Township <b>24-S</b>	Range <b>37-E</b>	County <b>SANTA FE</b>	
Actual Well Location of Well <b>1200</b> feet from the <b>East</b> line and <b>1422</b> feet from the <b>South</b> line					
Ground Level Elev. <b>3248.2</b>	Producing Formation <b>Seven Rivers Queen</b>		Well <b>Langlie Mattix (Queen)</b>		Dedicated Acreage <b>20 40</b> Acres

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CERTIFICATION

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

*Richard A. Hley*  
Name

Richard A. Hley

Position  
Prod. Services Supr.

Company  
Union Texas Pet. Corp.

Date  
June 1, 1982

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.

Date Surveyed

MAY 22 1982

Registered Professional Engineer and/or Land Surveyor

*M. E. Linn*  
Certificate No.

2189