

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

January 8, 1987



GARREY CARRUTHERS  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Union Texas Petroleum Corporation  
P.O. Box 2120  
Houston, Texas 77252-2120

Attention: Ralph E. Stanley  
Contract Analyst

Re: Administrative Order NFL-151

Dear Mr. Stanley:

Reference is made to your application for an Infill Well Finding 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 for the following described well:

Langlie Jal Unit Well No. 101 located 2540 feet from the South line and 1250 feet from the West line of Section 32, Township 24 South, Range 37 East, NMPM, Langlie Mattix Pool, Lea County, New Mexico.

THE DIVISION FINDS THAT:

(1) 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) By Division Order No. R-6013, dated June 7, 1977, 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) The well for which a finding is sought is to be completed in the Langlie Matix Pool, and the standard spacing unit in said pool is 40 acres.

(4) A standard 40-acre oil proration unit comprising the NW/4 SW/4 (Unit L) of Section 32, Township 24 South, Range 37 East, is currently dedicated to the Langlie Jai Unit Wells Nos. 19 and 100 also located in Unit L of said Section 32.

(5) Administrative Order No. NFL-98, dated October 11, 1984, authorized an Infill Well Finding for said Langlie Jai Unit Well No. 100 on the aforementioned proration unit. NFL-98 should remain in full force and not be affected by the entry of this order.

(6) Said unit is not being effectively and efficiently drained by the existing wells on the unit.

(7) The drilling and completion of the well for which a finding is sought should result in the production of an additional 59,000 MCF of gas from the proration unit which would not otherwise be recovered.

(8) All the requirements of Division Order No. R-6013 have been complied with, and 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) 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.

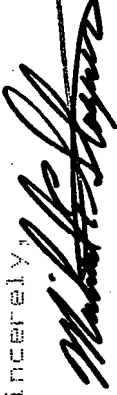
IT IS THEREFORE ORDERED THAT:

(1) The applicant is hereby authorized to drill the Langlie Jai Unit Well No. 101 as described above, as an infill well on the existing 40-acre oil proration unit comprising the NW/4 SW/4 (Unit L) of Section 32, Township 24 South, Range 37 East, NMPM, Langlie Matix Pool, Lea County, New Mexico. 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) Division Administrative Order No. NFL-98, dated October 11, 1984, shall remain in full force and effect until further notice.

(3) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,



Michael E. Stogner,  
Examiner

xc: N.H.O.C.D. - Hobbs  
NFL-98 File

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

ADMINISTRATIVE ORDER  
NFL 98

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 Petr. Corp. Well Name and No. Langlie-Jal Unit Well #100  
Location: Unit L Sec. 32 Twp. 24S Rng. 37E 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-Mattix Pool, and the standard spacing unit in said pool is 40 acres.

(4) That a 40-acre proration unit comprising the NW/4 SW/4 of Sec. 32, Twp. 24S, Rng. 37E, is currently dedicated to the Langlie-Jal Unit Well No. 19 located in Unit L of said section.

(5) That this proration unit is (X) 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 156,000 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 11 day of October, 19 84.

cc: OCD Hobbs  
Well File SF

  
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 98

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-Jal Unit Well No. 100  
Location: Unit L 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 NW 1/4 SW 1/4 of Sec. 32, Twp. 24 South, Rng. 37 East, is currently dedicated to the Langlie-Jal Unit Well No. 19 located in Unit L 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 156,000 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\_\_\_\_.

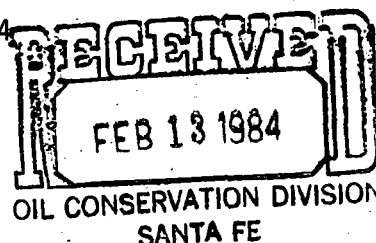
cc - OCD Hobb  
Will file S.F.

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

**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  
Santa Fe, New Mexico 87501

Attn: Mr. Mike Stogner

RE: Langlie Jal 100

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-

10-10-1947

10-10-1947

10-10-1947

10-10-1947

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## Langlie Jal 100

|                    |  |
|--------------------|--|
| Pool:              | Langlie Mattix (Queen)   |
| Dedicated Acreage: | 20 Acres   |
| Location:          | Section 32-L, TWP. 24-S, Range 37-E<br>1426' FSL and 1300' FWL |
| Spud Date:         | 7/9/82   |
| Completion Date:   | 8/1/82   |



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

UNION TEXAS PETROLEUM CORP.  
P.O. BOX 2120  
Houston, Texas 77001

*Attention: Steven Alton*

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2334

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 Langlie-Jal #100-L 32-24S-37E

SECTION(S) APPLIED FOR 103

DATE APPLICATION RECEIVED January 20, 1983

*Please submit this well C-101. On C-102 locate, identify and give a brief history on the*  
APPLICATION INCOMPLETE *other wells within this location unit. Please obtain*  
*an in-fill well finding pursuant to R-6013-A.*

Sincerely,

DATE:

January 24, 1983

*Michael E. Stogner*

NOTE:

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

*4/11/83 Please obtain an in fill well finding pursuant to NMOCED*  
*Order No. R-6013-A (attached).*

*M. Stogner*

## 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.

LANGLIE JAL UNIT WELL NO. 100

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. 100 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 45 BOPD, a GOR of 1900 and a unit production decline of 20%, reserves for this well are estimated at 82,000 BO and 156 MMCF gas.
4. The cumulative production from the Langlie Jal Unit Well No. 19 is 73 MBO (gas production not available). This well shares the standard 40 acre proration unit with Well No. 95.
5. There is no future production from Langlie Jal Unit Well No. 19. This well was converted to injection service on 5/24/72 to complete the 80 acre 5-spot patterns following unitization.
6. The estimate of remaining recoverable reserves, that the original well could not recover is 82,000 STBO and 156 MMCF gas.
7. The estimated recovery of the Langlie Jal Unit No. 100 is 82,000 STBO and 156 MMCF gas.

1/31/84  
SMF/sf

**MEXICO OIL CONSERVATION COMMISSION**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-100  
 Superseded O-124  
 Effective 10-66

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

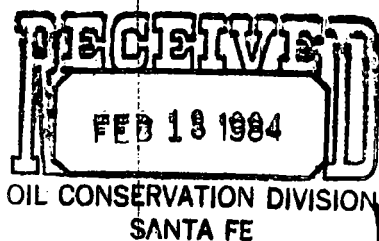
|  |  |                                       |                                       |                        |
|--|--|---------------------------------------|---------------------------------------|------------------------|
| Operator<br><b>Union Texas Petroleum Corp.</b> |  | Lease<br><b>Langlie-Jal Unit</b>      |                                       | Well No.<br><b>100</b> |
| Unit Letter<br><b>I</b>                        | Section<br><b>32</b>                             | Township<br><b>24-S</b>               | Range<br><b>37-E</b>                  | County<br><b>Lea</b>   |
| APPROX. FRACING LOCATION OF WELL:              |  |                                       |                                       |                        |
| <b>1426</b>                                    | feet from the <b>South</b>                       | <b>1300</b>                           | feet from the <b>West</b>             |                        |
| Ground Level Elev.<br><b>3234.6</b>            | Producing Formation<br><b>Seven Rivers Queen</b> | Pool<br><b>Langlie Mattix (Queen)</b> | Dedicated Acreage:<br><b>20</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).
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

*W. L. F. [Signature]*

**5183**

30-025-27845

|              |  |
|--------------|--|
| RECEIVED     |  |
| DISTRIBUTION |  |
| SANTA FE     |  |
| FILE         |  |
| U.S.G.S.     |  |
| LAND OFFICE  |  |
| OPERATOR     |  |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 10-65

|  |
|--|
| 5A. Indicate Type of Lease   |
| STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.   |

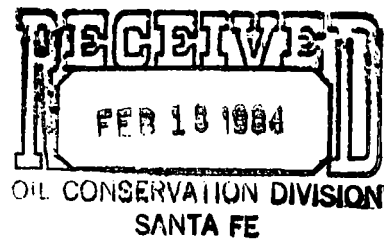
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|   |  |                                  |
|---|--|----------------------------------|
| 1a. Type of Work  |  | 7. Unit Agreement Name           |
| b. Type of Well<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/><br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  | Langlie Jal Unit                 |
| 2. Name of Operator   |  | 8. Form of Lease Name            |
| Union Texas Petroleum Corporation   |  |                                  |
| 3. Address of Operator  |  | 9. Well No.                      |
| 1300 Wilco Bldg. Midland, Texas 79701   |  | 100                              |
| 4. Location of Well   |  | 10. Field and Pool, or Wiscot    |
| UNIT LETTER <u>L</u> LOCATED <u>1426</u> FEET FROM THE <u>South</u> LINE  |  | Langlie Mattix (Queen)           |
| AND <u>1300</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>32</u> T. <u>24-S</u> R. <u>37-E</u> N.M.M.   |  | 12. County                       |
|   |  | Lea                              |
| 11. Proposed Depth  |  | 11A. Formation                   |
| 3700  |  | Seven Rivers Queen Rotary        |
| 11B. Elevation (Show whether D, R, etc.)  |  | 11C. Drilling Contractor         |
| 3234.6 GR   |  | Blanker                          |
| 21A. State & Federal P.L. No.   |  | 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 1/7/83  
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSED TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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 Jerry Saylor Title Production Services Supervisor Date 5-25-82

(This space for State Use)

ORIGINAL SIGNED BY

APPROVED BY JERRY Saylor TITLE Production Services Supervisor DATE JUL 7 1982

CONDITIONS OF APPROVAL: DISTRICT SUPP.

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

**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 100

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 100**

|                    |  |
|--------------------|--|
| Pool:              | Langlie Mattix (Queen)   |
| Dedicated Acreage: | 20 Acres   |
| Location:          | Section 32-L, TWP. 24-S, Range 37-E<br>1426' FSL and 1300' FWL |
| Spud Date:         | 7/9/82   |
| Completion Date:   | 8/1/82   |



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

UNION TEXAS PETROLEUM CORP.  
P.O. BOX 2120  
Houston, Texas 77001

Attention: Steven Alton

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-834

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 Langlie-Jal #100-L 32-24S-37E

SECTION(S) APPLIED FOR 103

DATE APPLICATION RECEIVED January 20, 1983

*Please submit this well C-101. On C-102 locate, identify and give a brief history on the*  
APPLICATION INCOMPLETE *other wells within this production unit. Please obtain*  
*an in-fill well finding pursuant to R-6013-A.*

Sincerely,

DATE:

January 24, 1983

*Michael E. Stoyner*

NOTE:

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

4/11/83 Please obtain an in-fill well finding pursuant to NMOC  
Order No. A-6013-A (attached).

*M. Stoyner*

## 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.

LANGLIE JAL UNIT WELL NO. 100

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. 100 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 45 BOPD, a GOR of 1900 and a unit production decline of 20%, reserves for this well are estimated at 82,000 BO and 156 MMCF gas.
4. The cumulative production from the Langlie Jal Unit Well No. 19 is 73 MBO (gas production not available). This well shares the standard 40 acre proration unit with Well No. 95.
5. There is no future production from Langlie Jal Unit Well No. 19. This well was converted to injection service on 5/24/72 to complete the 80 acre 5-spot patterns following unitization.
6. The estimate of remaining recoverable reserves, that the original well could not recover is 82,000 STBO and 156 MMCF gas.
7. The estimated recovery of the Langlie Jal Unit No. 100 is 82,000 STBO and 156 MMCF gas.

1/31/84  
SMF/sf

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-101  
Supersedes O-100  
Effective 10-65

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

|  |  |                                       |                                       |                        |
|--|--|---------------------------------------|---------------------------------------|------------------------|
| Operator<br><b>Union Texas Petroleum Corp.</b> |  | Lease<br><b>Langlie-Jal Unit</b>      |                                       | Well No.<br><b>100</b> |
| Unit Lease<br><b>2</b>                         | Section<br><b>32</b>                             | Township<br><b>24-S</b>               | Range<br><b>37-E</b>                  | County<br><b>Lea</b>   |
| Approx. Surface Location of Well:              |  |                                       |                                       |                        |
| <b>1426</b>                                    | feet from the <b>South</b>                       | <b>1300</b>                           | feet from the <b>West</b>             |                        |
| Ground Elev. Elev.<br><b>3234.6</b>            | Producing Formation<br><b>Seven Rivers Queen</b> | Pool<br><b>Langlie Mattix (Queen)</b> | Dedicated Acreage:<br><b>20</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).
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.

**RECEIVED**  
**FEB 13 1984**  
**OIL CONSERVATION DIVISION**  
**SANTA FE**

*NW*

*ME*

*SW*

*SE*

*1426*

*1300*

**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

*W. E. F. L. L. L.*

**0.53**

30-125-27845

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| OPERATOR            |  |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-83

|   |                              |
|---|------------------------------|
| 5A. Indicate Type of Lease                |                              |
| STATE <input checked="" type="checkbox"/> | FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.              |                              |

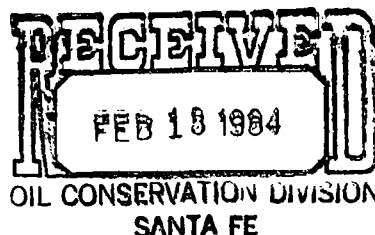
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|   |  |                                  |  |
|---|--|----------------------------------|--|
| a. Type of Work   |  | 7. Unit Agreement Name           |  |
| DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>  |  | Langlie Jal Unit                 |  |
| b. Type of Well   |  | 8. Form of Lease Name            |  |
| OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> |  |                                  |  |
| c. Name of Operator   |  | 9. Well No.                      |  |
| Union Texas Petroleum Corporation   |  | 100                              |  |
| d. Address of Operator  |  | 10. Field and Pool, or Wildcat   |  |
| 1300 Wilco Bldg. Midland, Texas 79701   |  | Langlie Mattix (Queen)           |  |
| e. Location of Well   |  | 12. County                       |  |
| UNIT LETTER <u>L</u> LOCATED <u>1426</u> FEET FROM THE <u>South</u> LINE                                      |  | Lea                              |  |
| NO. <u>1300</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>32</u> T4S R24E S37E                                |  |                                  |  |
| 1. Elevation (Show whether M, RL, etc.)   |  | 2. A. Name & Station (If any) of |  |
| 3234.6 GR   |  | 3700 Seven Rivers Queen Rotary   |  |
| 3. B. Name & Station (If any) of  |  | 22. Approx. Date Work will start |  |
| Blanket   |  |                                  |  |

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             | Circulare |

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 1/7/83  
UNLESS DRILLING UNDERWAY

AND/OR 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 PREVENTOR PROGRAM, IF ANY.

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

Signed Jerry Seligson Title Production Services Supervisor Date 5-25-82

(This space for State Use)

ORIGINAL SIGNED BY

WITNESSED BY JERRY SELIGSON TITLE DISTRICT SUPERVISOR DATE JUL 7 1982

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

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED  
JAN 20 1983

Form C-122  
Supersedes C-128  
Effective 10-85

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

OIL CONSERVATION DIVISION

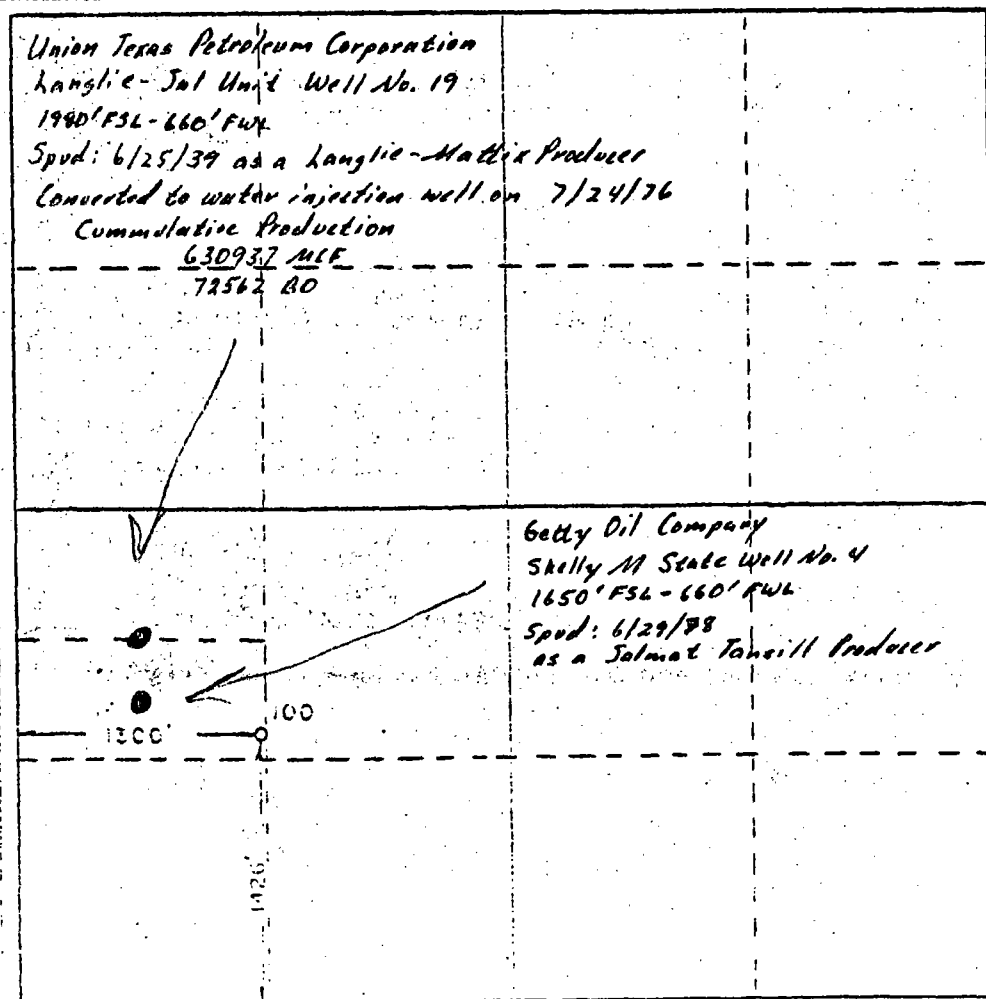
|  |   |                         |                                       |                                       |                        |
|--|---|-------------------------|---------------------------------------|---------------------------------------|------------------------|
| Operator<br><b>Union Texas Petroleum Corp.</b>   |   |                         | Lease<br><b>Langlie-Jal Unit</b>      |                                       | Well No.<br><b>100</b> |
| Unit Letter<br><b>L</b>  | Section<br><b>32</b>                            | Township<br><b>24-S</b> | Range<br><b>37-E</b>                  | County<br><b>Lea</b>                  |                        |
| Actual Surface Location of Well:<br><b>1426</b> feet from the <b>South</b> line and <b>1300</b> feet from the <b>West</b> line |   |                         |                                       |                                       |                        |
| Ground Elevation<br><b>3234.6</b>  | Encasing Formation<br><b>Seven Rivers Queen</b> |                         | Foot<br><b>Langlie Mattix (Queen)</b> | Dedicated Acreage:<br><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  
*W. E. L...*  
Certificate No.  
**2189**

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

JAN 20 1983

Form C-122  
Supersedes C-128  
Effective 1-1-83

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

OIL CONSERVATION DIVISION

|   |  |                                       |                                       |                      |          |                        |
|---|--|---------------------------------------|---------------------------------------|----------------------|----------|------------------------|
| Operator<br><b>Union Texas Petroleum Corp.</b>  |  |                                       | Loco<br><b>Langlie-Jal Unit</b>       |                      | SANTA FE | Well No.<br><b>100</b> |
| Unit Letter<br><b>L</b>   | Section<br><b>32</b>                             | Township<br><b>24-S</b>               | Range<br><b>37-E</b>                  | County<br><b>Lea</b> |          |                        |
| Acres/Footage Location of Well:<br><b>1426</b> feet from the <b>South</b> line and <b>1300</b> feet from the <b>West</b> line |  |                                       |                                       |                      |          |                        |
| Original Well Elev.<br><b>3234.6</b>  | Producing Formation<br><b>Seven Rivers Queen</b> | Foot<br><b>Langlie Mattix (Queen)</b> | Dedicated Acreage:<br><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?

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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><i>Union Texas Petroleum Corporation</i><br/><i>Langlie-Jal Unit Well No. 19</i><br/><i>1980' FSL - 660' FWL</i><br/><i>Spud: 6/25/39 as a Langlie-Mattix Producer</i><br/><i>Converted to water injection well on 7/24/76</i><br/><i>Cumulative Production</i><br/><i>630932 MCF</i><br/><i>72562 BO</i></p> | <p><i>Getty Oil Company</i><br/><i>Skelly M Seale Well No. 4</i><br/><i>1650' FSL - 660' FWL</i><br/><i>Spud: 6/29/88</i><br/><i>as a Jalmat Tansill Producer</i></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, 1989**  
Registered Professional Engineer  
and or Land Surveyor  
*W. E. L. L...*  
Certificate No.  
**2189**

# INTENTIONAL OMISSIONS

The following document(s) have been intentionally omitted from this file due to the indicated reasons.

FILE # NFL 98

## DESCRIPTION OF OMITTED DOCUMENTS

OMITTED DOCUMENT

REASON OMITTED

Detail Log

TOO LARGE

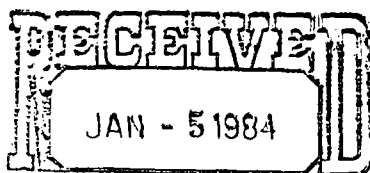


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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65



|  |
|--|
| 5A. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.   |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|  |  |  |
|--|--|--|
| 1a. Type of Work<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>   |  | 7. Unit Agreement Name<br>Langlie Jal Unit               |
| b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 8. Farm or Lease Name                                    |
| 2. Name of Operator<br>Union Texas Petroleum Corporation   |  | 9. Well No.<br>100                                       |
| 3. Address of Operator<br>1300 Wilco Bldg. Midland, Texas 79701  |  | 10. Field and Pool, or Wildcat<br>Langlie Mattix (Queen) |
| 4. Location of Well<br>UNIT LETTER <u>L</u> LOCATED <u>1426</u> FEET FROM THE <u>South</u> LINE<br>AND <u>1300</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>32</u> T4N <u>24-S</u> R5E <u>37-E</u> AM9W |  | 12. County<br>Lea  |
| 21. Elevations (Show whether DT, RL, etc.)<br>3234' 6 GR   |  | 20. History or C.T.<br>3700 Seven Rivers Queen Rotary    |
| 21A. Spud & Mottis (log, bond)<br>Blanket  |  | 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 1/7/83  
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 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 Jerry Sexton Title Production Services Supervisor Date 5-25-82

(This space for State Use)

ORIGINAL SIGNED BY

APPROVED BY JERRY SEXTON TITLE DISTRICT SUPERVISOR DATE JUL 7 1982

CONDITIONS OF APPROVAL

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 O-110  
Supersedes O-108  
Effective 10-65

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

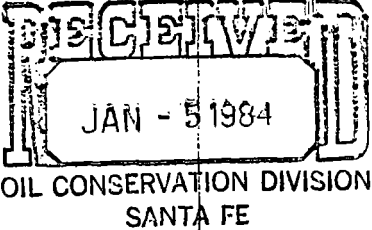
|  |  |                                       |                                       |                        |
|--|--|---------------------------------------|---------------------------------------|------------------------|
| Operator<br><b>Union Texas Petroleum Corp.</b>   |  | Lease<br><b>Langlie-Jal Unit</b>      |                                       | Well No.<br><b>100</b> |
| Unit Letter<br><b>L</b>  | Section<br><b>32</b>                             | Township<br><b>24-S</b>               | Range<br><b>37-E</b>                  | County<br><b>Lea</b>   |
| Actual Footage Location of Well:<br><b>1426</b> feet from the <b>South</b> line and <b>1300</b> feet from the <b>West</b> line |  |                                       |                                       |                        |
| Ground Level Elev.<br><b>3234.6</b>  | Producing Formation<br><b>Seven Rivers Queen</b> | Pool<br><b>Langlie Mattix (Queen)</b> | Dedicated Acreage:<br><b>20</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).
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.



NW
ME

SW
SE

1300'

1426'

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

*W. Lee E. Linn*

Exhibit No.

**2183**

30-025-27845

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

|   |                              |
|---|------------------------------|
| 5A. Indicate Type of Lease                |                              |
| STATE <input checked="" type="checkbox"/> | FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.              |                              |

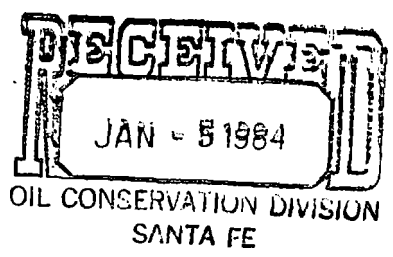
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|  |  |  |
|--|--|--|
| 1a. Type of Work<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>   |  | 7. Unit Agreement Name<br>Langlie Jal Unit               |
| b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 8. Farm or Lease Name                                    |
| 2. Name of Operator<br>Union Texas Petroleum Corporation   |  | 9. Well No.<br>100                                       |
| 3. Address of Operator<br>1300 Wilco Bldg. Midland, Texas 79701  |  | 10. Field and Pool, or Wildcat<br>Langlie Mattix (Queen) |
| 4. Location of Well<br>UNIT LETTER <u>L</u> LOCATED <u>1426</u> FEET FROM THE <u>South</u> LINE<br>AND <u>1300</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>32</u> T4N <u>24-S</u> R6E <u>37-E</u> NW/4 |  | 12. County<br>Lea  |
| 21. Elevation (Show whether DF, RL, etc.)<br>3234.6 GR   |  | 20. Rotary or C.T.<br>Seven Rivers Queen Rotary          |
| 21A. Blanket or Other Type of Bond<br>Blanket  |  | 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 1/7/83  
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 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 C. L. ... Title Production Services Supervisor Date 5-25-82

(This space for State Use)

APPROVED BY JERRY SEXTON TITLE DISTRICT SUPV. DATE JUL 7 1982

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 O-111  
Supersedes O-108  
Effective 10-65

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

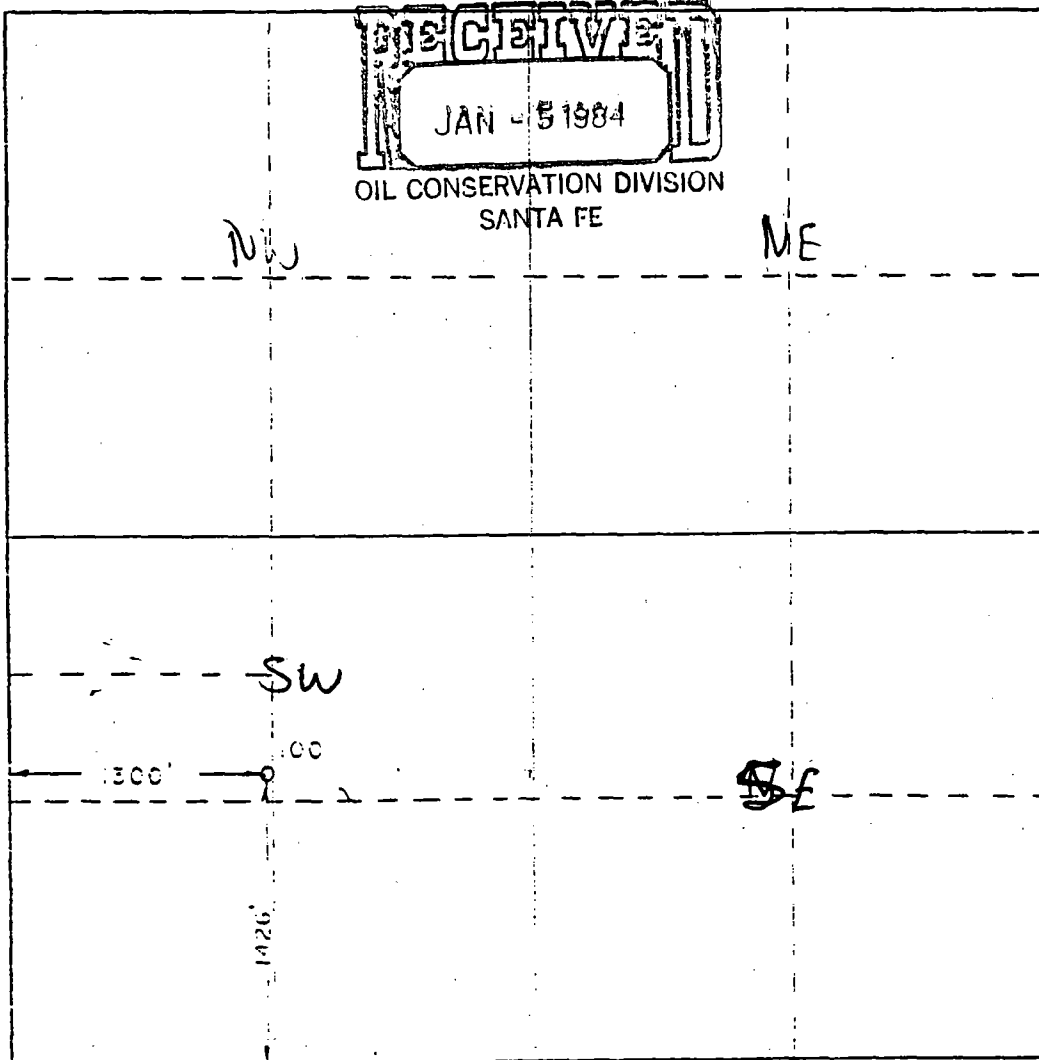
|  |  |                                       |                                       |                        |
|--|--|---------------------------------------|---------------------------------------|------------------------|
| Operator<br><b>Union Texas Petroleum Corp.</b>   |  | Lease<br><b>Langlie-Jal Unit</b>      |                                       | Well No.<br><b>100</b> |
| Unit Letter<br><b>L</b>  | Section<br><b>32</b>                             | Township<br><b>24-S</b>               | Range<br><b>37-E</b>                  | County<br><b>Lea</b>   |
| Actual Footage Location of Well:<br><b>1426</b> feet from the <b>South</b> line and <b>1300</b> feet from the <b>West</b> line |  |                                       |                                       |                        |
| Ground Level Elev.<br><b>3234.6</b>  | Producing Formation<br><b>Seven Rivers Queen</b> | Pool<br><b>Langlie Mattix (Queen)</b> | Dedicated Acreage:<br><b>20</b> Acres |                        |

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

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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 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**

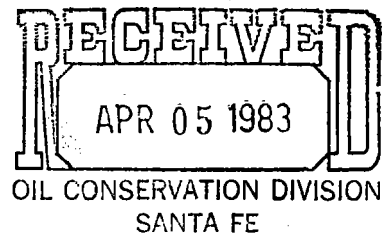
Registered Professional Engineer  
and or Land Surveyor

*W. Lee F. ...*

**2189**

**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 100  
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,

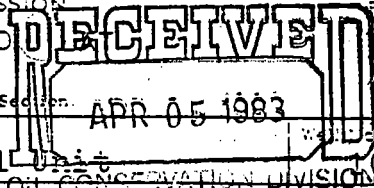
UNION TEXAS PETROLEUM CORPORATION

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

MLE:bm

Encl.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION



Form O-103  
Supersedes O-102  
Effective 1-1-83

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

|  |                      |                             |                      |                        |
|--|----------------------|-----------------------------|----------------------|------------------------|
| Operator<br><b>Union Texas Petroleum Corp.</b> |                      | Lease<br><b>Langlie-Jal</b> |                      | Well No.<br><b>100</b> |
| Unit Letter<br><b>L</b>                        | Section<br><b>32</b> | Township<br><b>24-S</b>     | Range<br><b>37-E</b> | County<br><b>Lea</b>   |

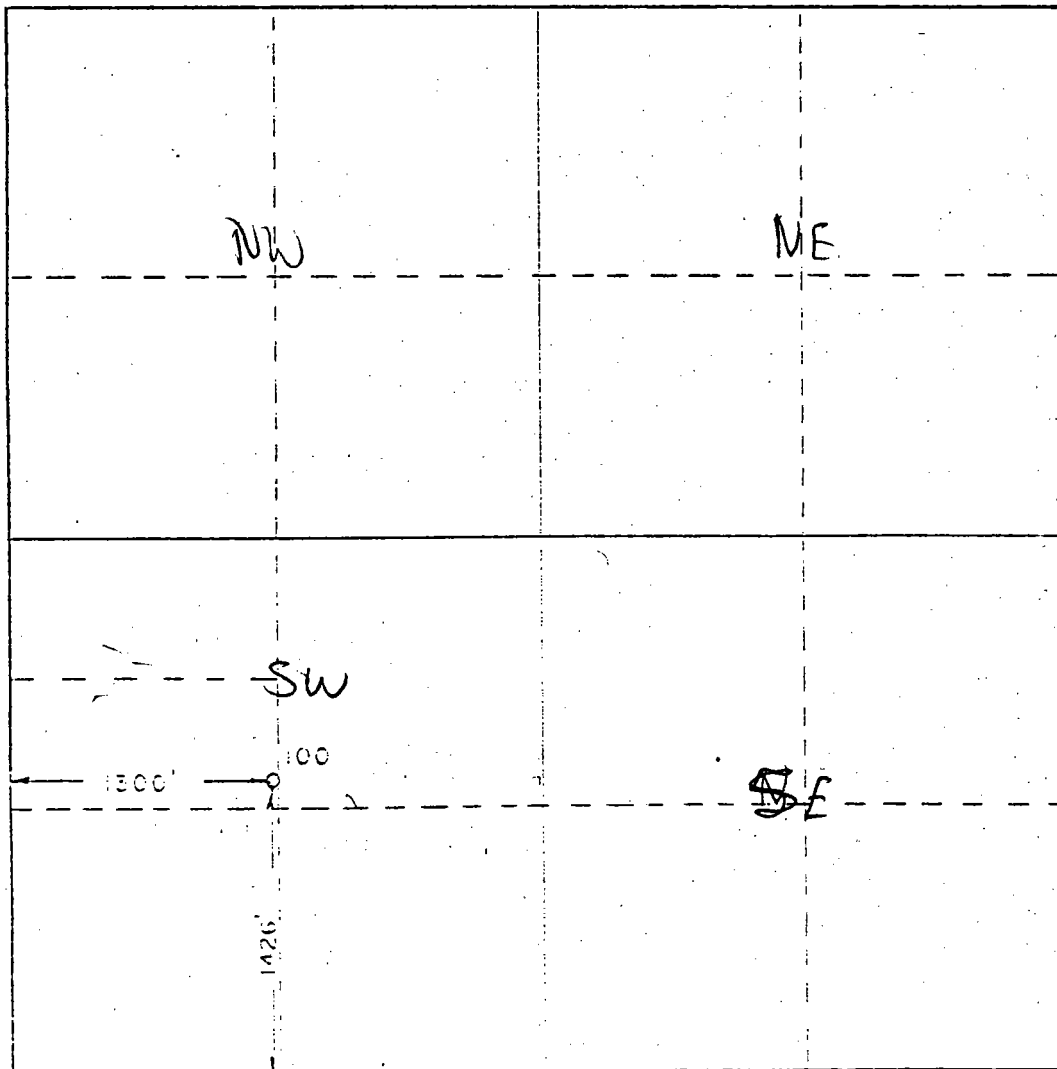
|                                     |  |                                       |                                       |                           |
|-------------------------------------|--|---------------------------------------|---------------------------------------|---------------------------|
| Annual Forfeiture Location of Well: |  |                                       |                                       |                           |
| <b>1426</b>                         | feet from the <b>South</b>                       | line and                              | <b>1300</b>                           | feet from the <b>West</b> |
| Ground Level Elev.<br><b>3234.6</b> | Producing Formation<br><b>Seven Rivers Queen</b> | Pool<br><b>Langlie Mattix (Queen)</b> | Dedicated Acreage:<br><b>20</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).
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*

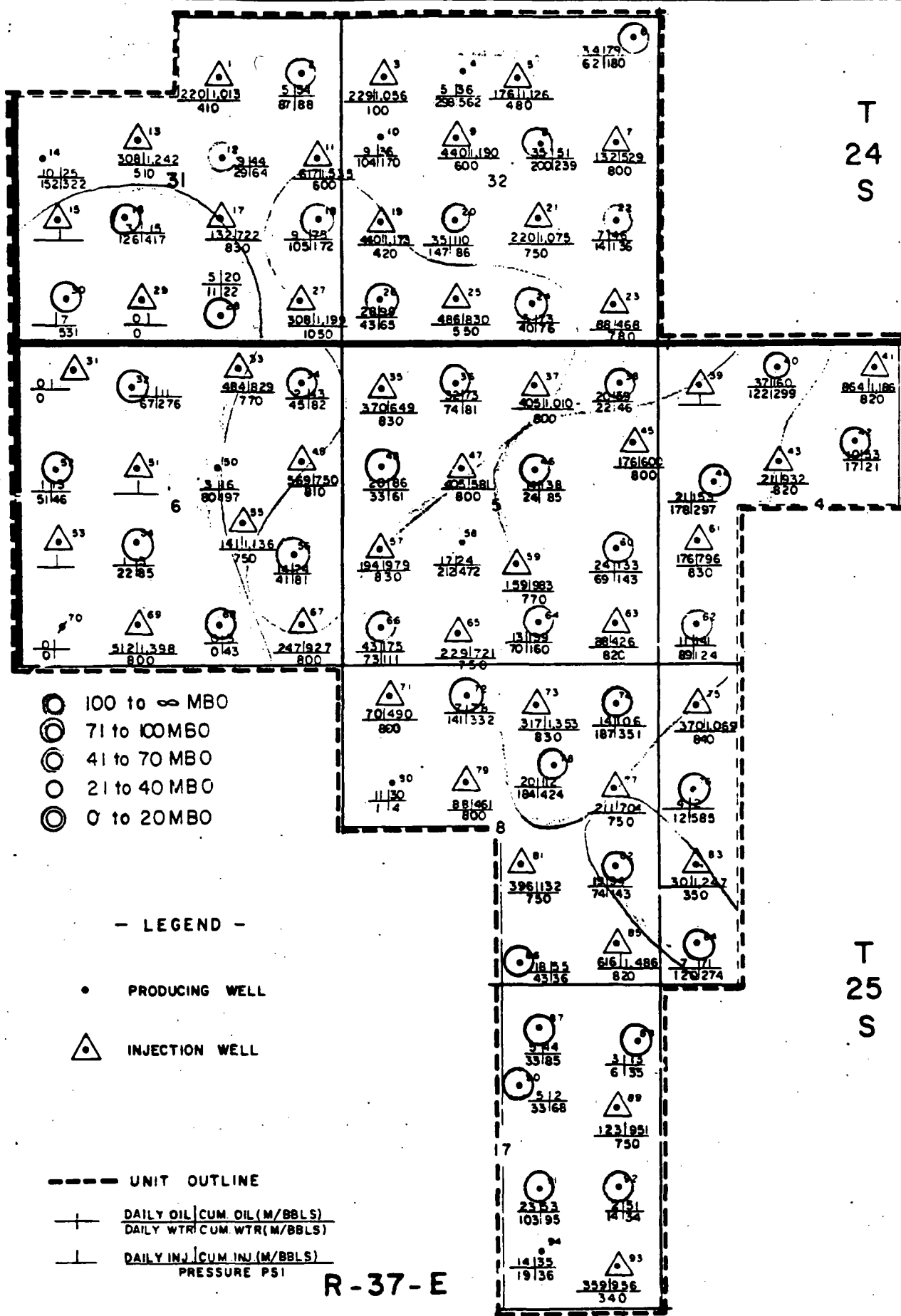
Name  
**Richard Atchley**  
Position  
**Prod. Services Supr.**  
Company  
**Union Texas Pet. Corp.**

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

*W. E. F. Jones*



R-37-E



UNION TEXAS PETROLEUM  
A DIVISION OF ALLIED CHEMICAL CORPORATION  
**LANGLIE-JAL UNIT**  
LEA COUNTY, NEW MEXICO

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

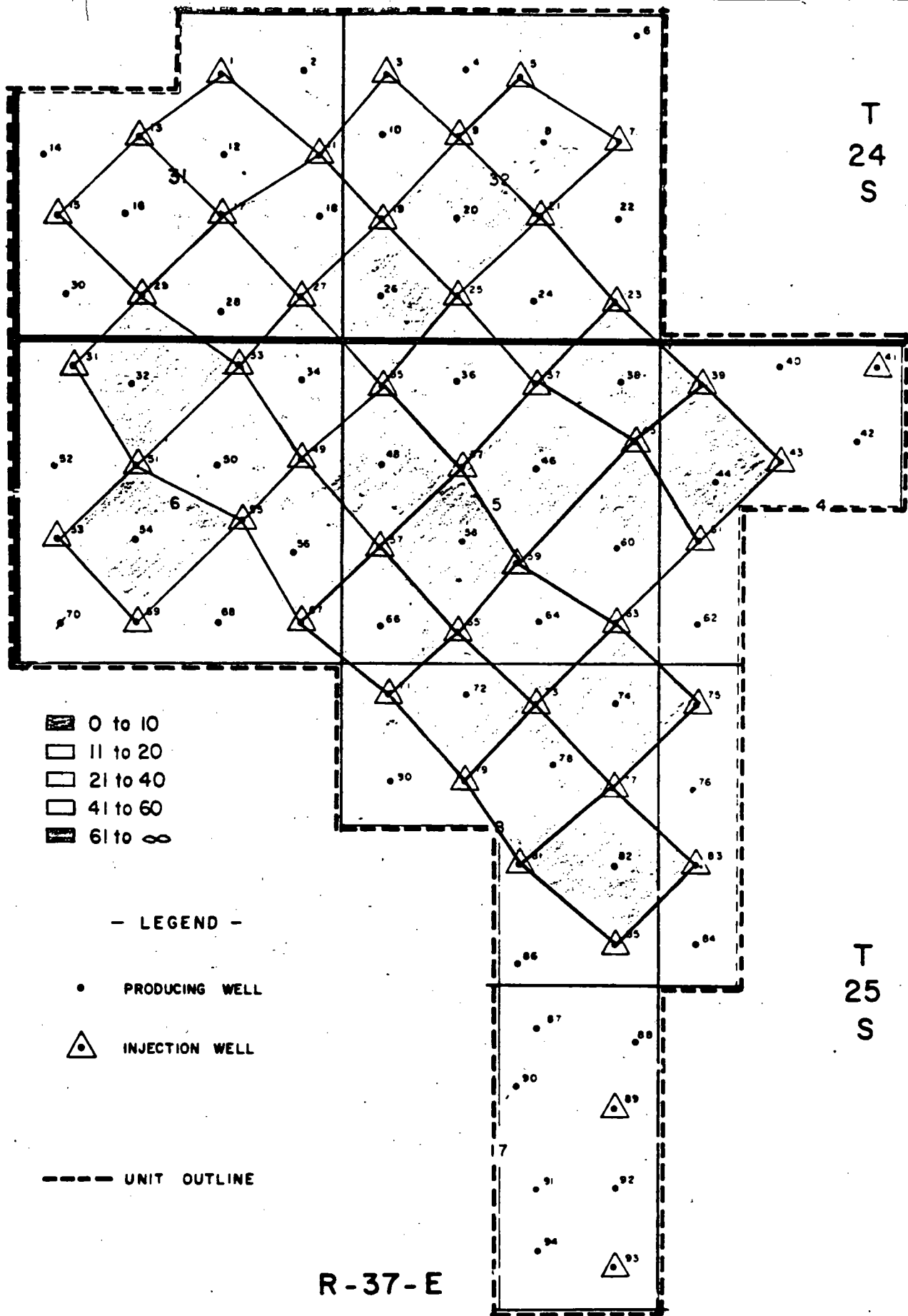
SCALE IN FEET



S.M.F.

SOUTHWEST DIVISION

2/24/82



UNION TEXAS PETROLEUM  
A DIVISION OF ALLIED CHEMICAL CORPORATION

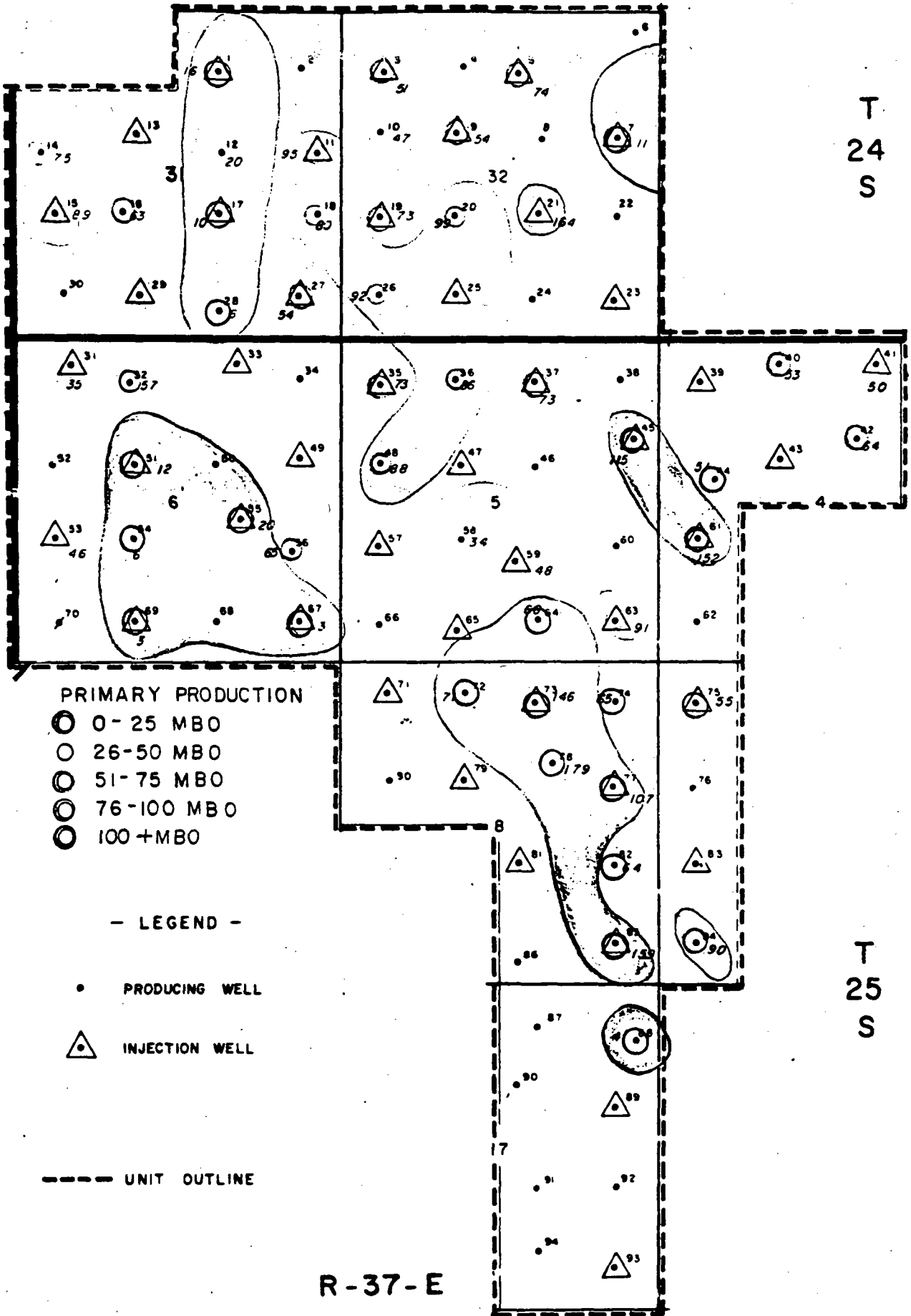
**LANGLIE - JAL UNIT**  
LEA COUNTY, NEW MEXICO

**WATER INJECTED / OIL PRODUCED**

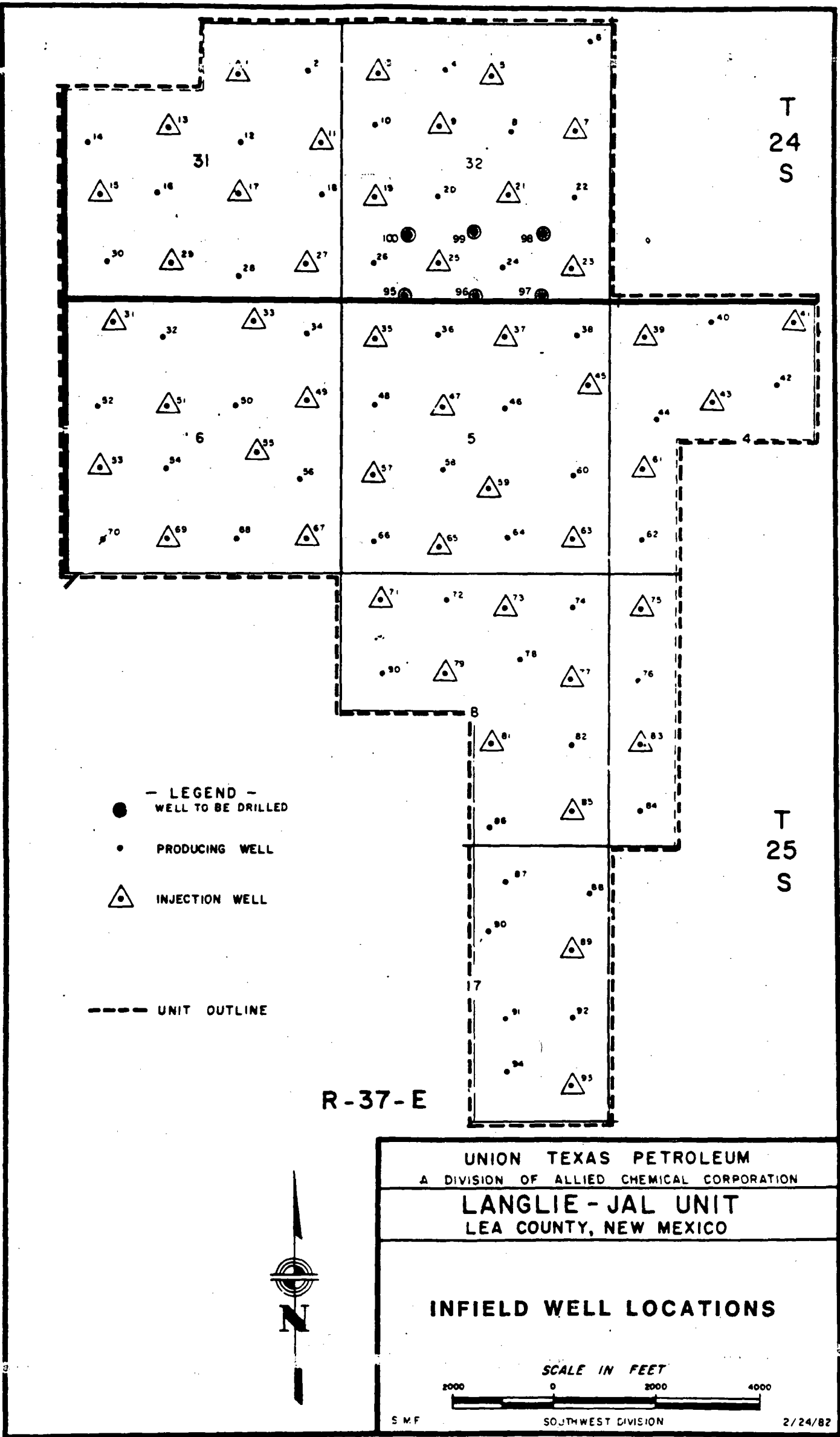
SCALE IN FEET  
2000 0 2000 4000

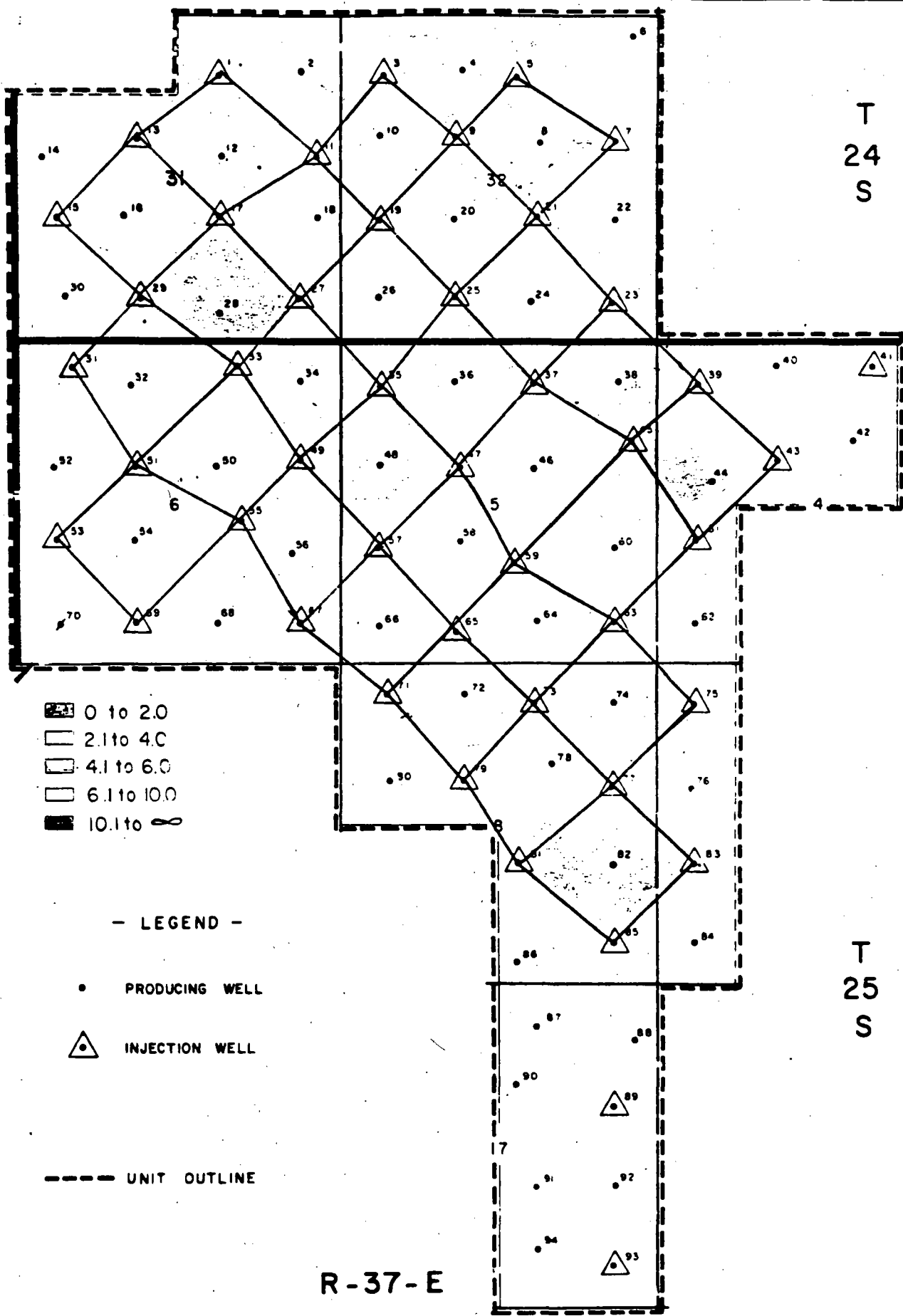
S. M. F.      SOUTHWEST DIVISION      2/24/82





|   |                            |
|---|----------------------------|
| UNION TEXAS PETROLEUM                     |                            |
| A DIVISION OF ALLIED CHEMICAL CORPORATION |                            |
| LANGLIE - JAL UNIT                        |                            |
| LEA COUNTY, NEW MEXICO                    |                            |
| 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**  
**TOTAL FLUID PRODUCED**

SCALE IN FEET



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:

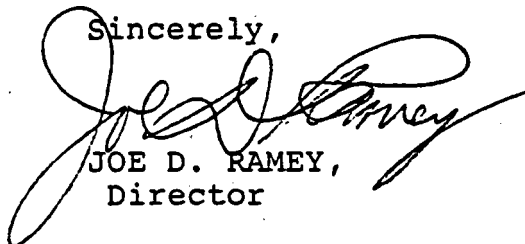
Reference is made to your application for the amendment of three non-standard locations and the addition of three non-standard locations in Lea County, New Mexico, as follows:

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





# ENERGY AND MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

January 5, 1987



GARREY CARRUTHERS  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Union Texas Petroleum Corporation  
P.O. Box 2120  
Houston, Texas 77252-2120

Attention: Ralph E. Stanley  
Contract Analyst

Re: Administrative Order NFL-151

Dear Mr. Stanley:

Reference is made to your application for an Infill Well Finding 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 for the following described well:

Langlie Jai Unit Well No. 101 located 2540 feet from the South line and 1250 feet from the West line of Section 32, Township 24 South, Range 37 East, NMFM, Langlie Mattix Pool, Lea County, New Mexico.

THE DIVISION FINDS THAT:

(1) 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 production unit which cannot be so drained by any existing well within that unit, and must grant a waiver of existing well-spacing requirements.

(2) By Division 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) The well for which a finding is sought is to be completed in the Langlie Mattix Pool, and the standard spacing unit in said pool is 40 acres.

(4) A standard 40-acre oil proration unit comprising the NW/4 SW/4 (Unit L) of Section 32, Township 24 South, Range 37 East, is currently dedicated to the Langlie Jai Unit Wells Nos. 19 and 100 also located in Unit L of said Section 32.

(5) Administrative Order No. NFL-98, dated October 11, 1984, authorized an Infill Well Finding for said Langlie Jai Unit Well No. 100 on the aforementioned proration unit. NFL-98 should remain in full force and not be affected by the entry of this order.

(6) Said unit is not being effectively and efficiently drained by the existing wells on the unit.

(7) The drilling and completion of the well for which a finding is sought should result in the production of an additional 59,000 MCF of gas from the proration unit which would not otherwise be recovered.

(8) All the requirements of Division Order No. R-6013 have been complied with, and 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) 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 THAT:

(1) The applicant is hereby authorized to drill the Langlie Jai Unit Well No. 101 as described above, as an infill well on the existing 40-acre oil proration unit comprising the NW/4 SW/4 (Unit L) of Section 32, Township 24 South, Range 37 East, NMPM, Langlie Mattix Pool, Lea County, New Mexico. 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) Division Administrative Order No. NFL-98, dated October 11, 1984, shall remain in full force and effect until further notice.



(3) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,



Michael E. Stogner,  
Examiner

cc: N.M.D.C.D. - Hobbs  
NFL-98 File