

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

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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-Jal 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-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 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.

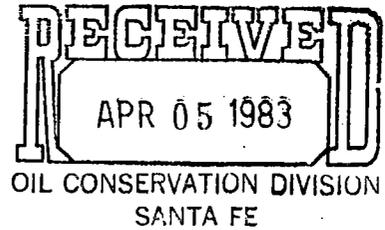
DONE at Santa Fe, New Mexico, on this _____ day of _____, 19_____.

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.

NFL-99

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

RECEIVED
APR 05 1983

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

All distances must be from the outer boundaries of the Section

Operator: **Union Texas Petroleum Corp.** Lease: **Langlie-98** Well No.: **98**

Unit Letter: **I** Section: **32** Township: **24-S** Range: **37-E** County: **SANTA FE** Lea

Actual Distance Location of Well:
1200 feet from the **East** line and **1422** feet from the **South** line

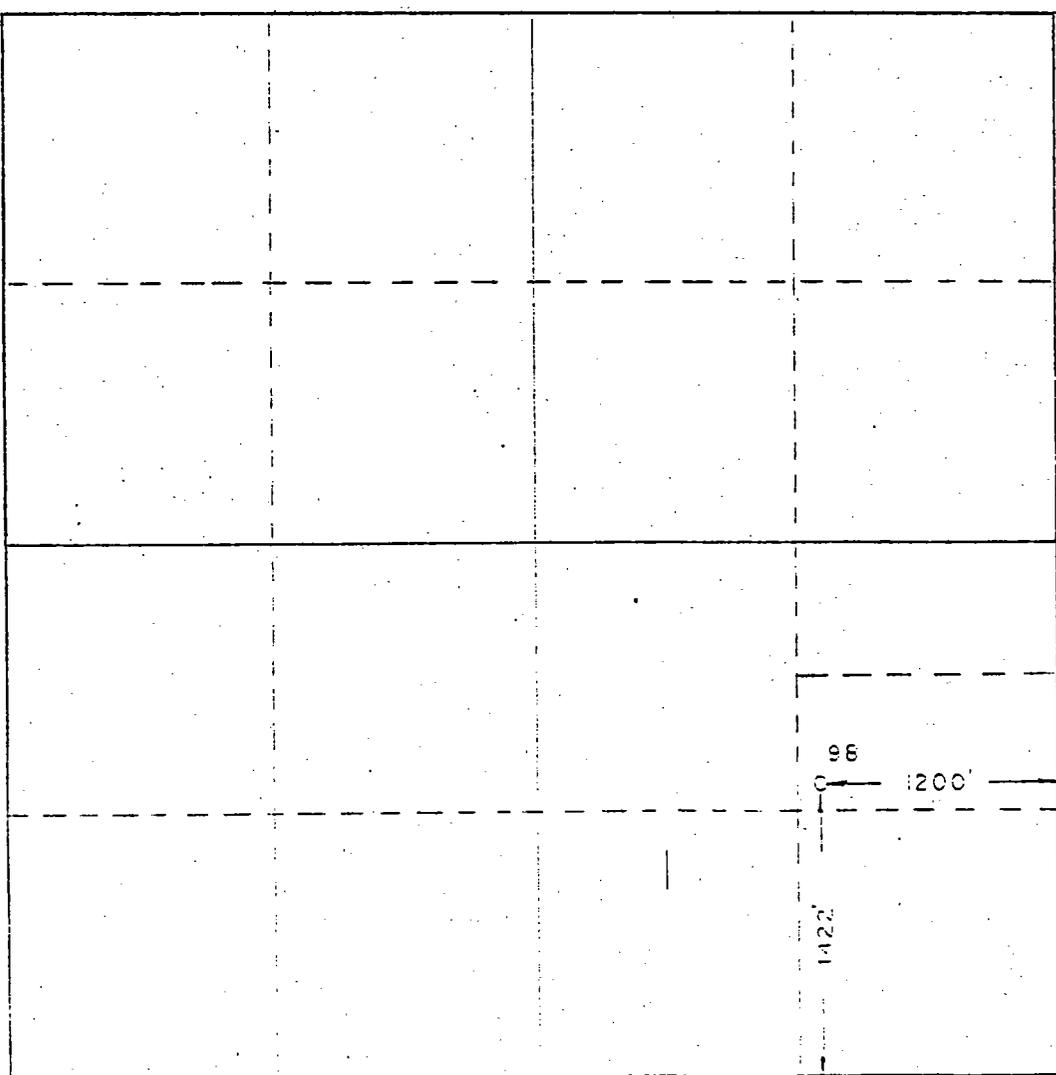
Ground Level Elev.: **3248.2** Producing Formation: **Seven Rivers Queen** Pool: **Langlie Mattix (Queen)** Dedicated Acreage: **20** Acres

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

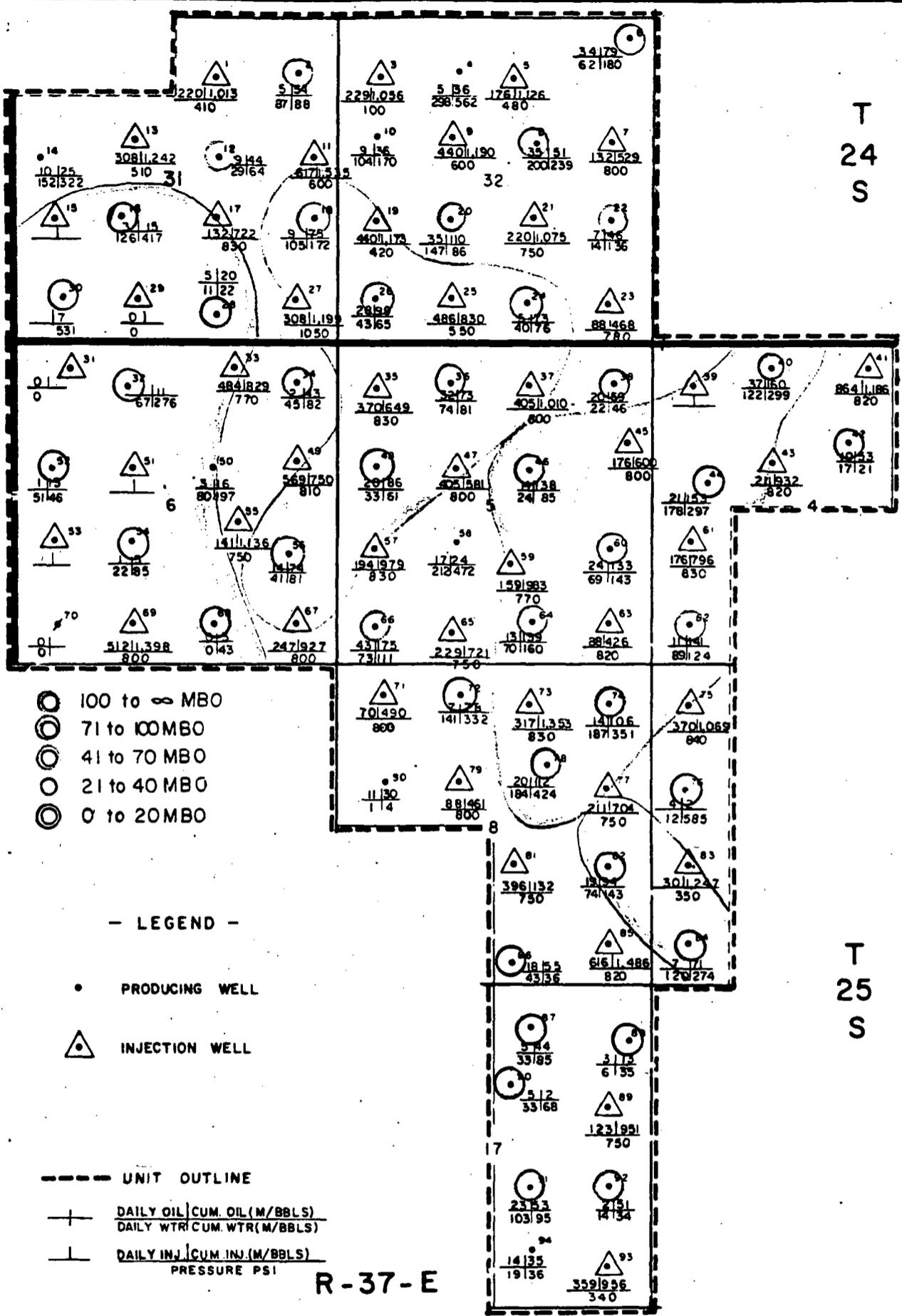
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
May 22, 1982

Registered Professional Engineer and or Land Surveyor

M. E. Shaw
Certificate No.

3189



UNION TEXAS PETROLEUM
A DIVISION OF ALLIED CHEMICAL CORPORATION

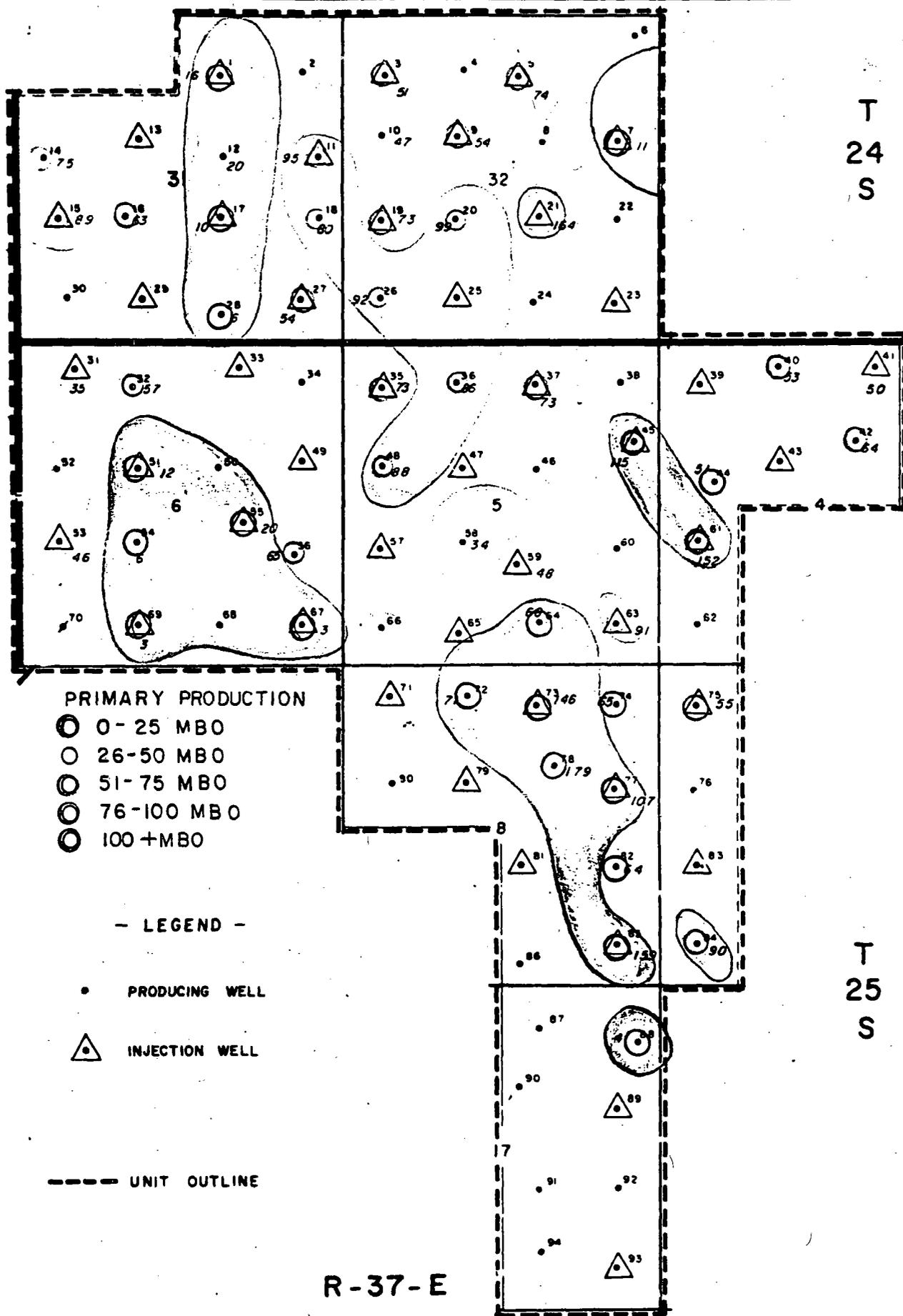
LANGLIE - JAL UNIT
LEA COUNTY, NEW MEXICO

SECONDARY RECOVERY
Well Test Data
Month: July 81

SCALE IN FEET
2000 0 2000 4000

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





- PRIMARY PRODUCTION**
- 0-25 MBO
 - 26-50 MBO
 - 51-75 MBO
 - 76-100 MBO
 - 100+MBO

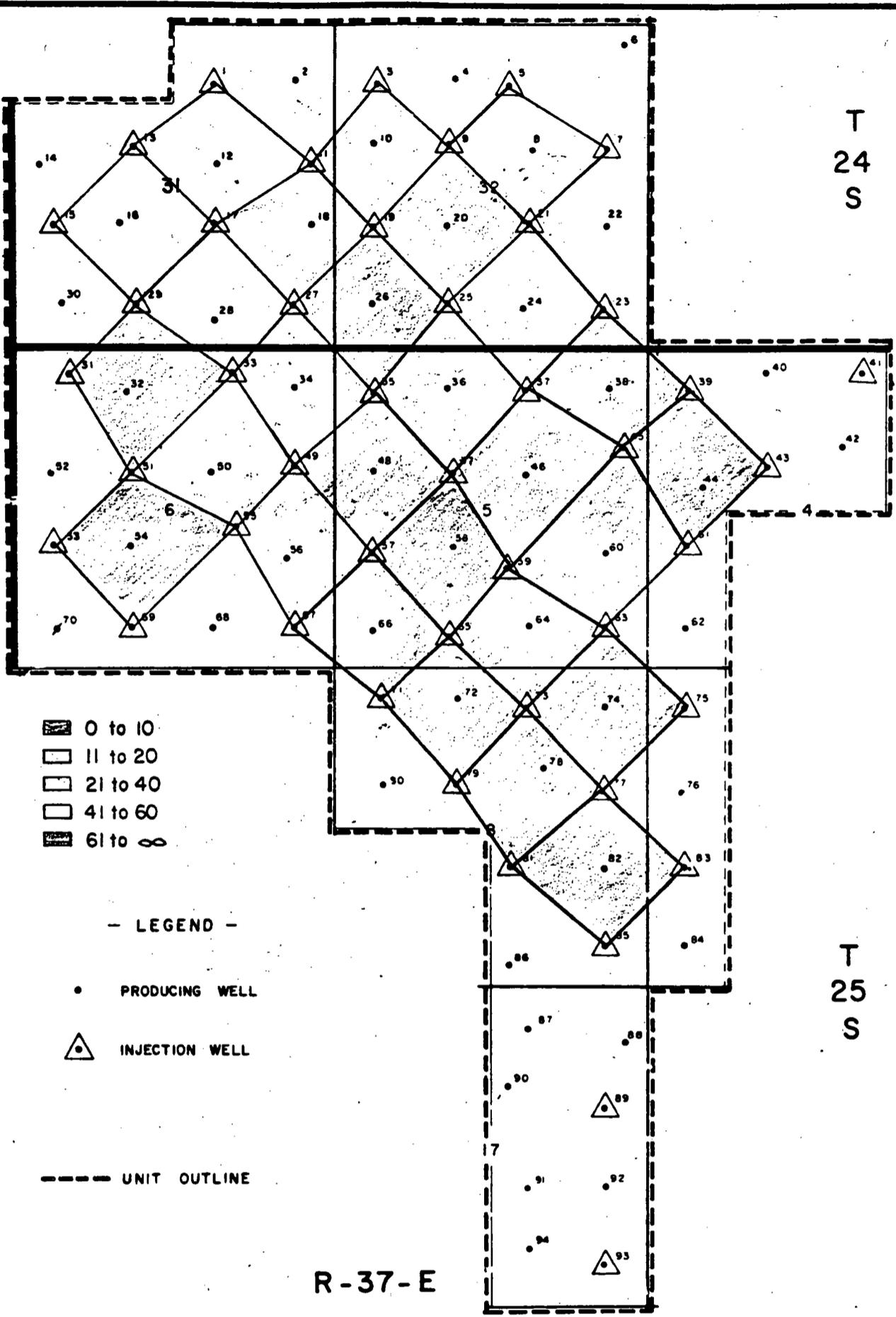
- LEGEND -

- PRODUCING WELL
- △ INJECTION WELL

----- UNIT OUTLINE

R-37-E

<p>UNION TEXAS PETROLEUM A DIVISION OF ALLIED CHEMICAL CORPORATION</p>
<p>LANGLIE - JAL UNIT LEA COUNTY, NEW MEXICO</p>
<p>PRIMARY PRODUCTION</p>
<p>SCALE IN FEET</p>
<p>S.M.F. SOUTHWEST DIVISION 2/24/82</p>



-  0 to 10
-  11 to 20
-  21 to 40
-  41 to 60
-  61 to ∞

- LEGEND -

-  PRODUCING WELL
-  INJECTION WELL

----- UNIT OUTLINE

R-37-E



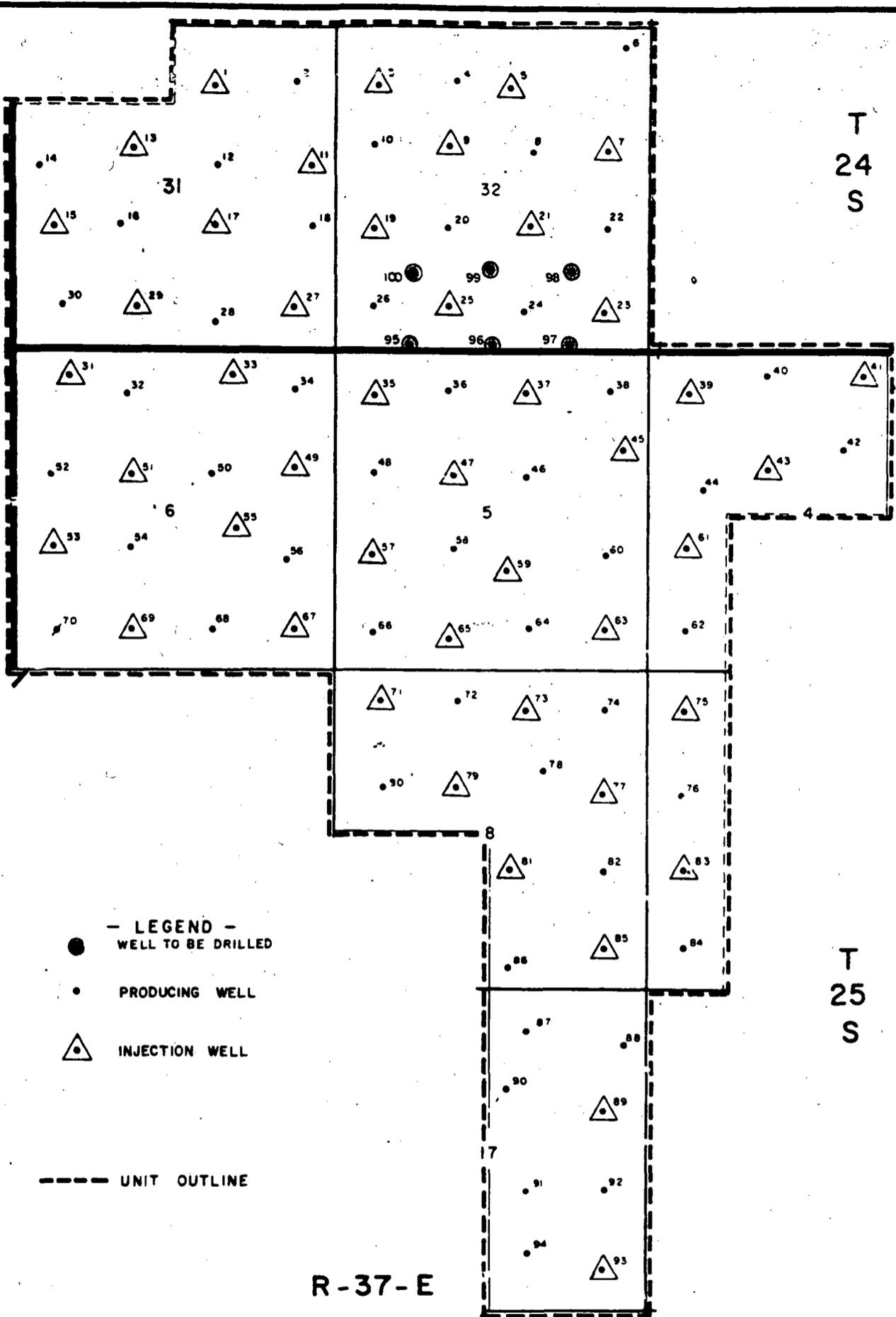
UNION TEXAS PETROLEUM
A DIVISION OF ALLIED CHEMICAL CORPORATION

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

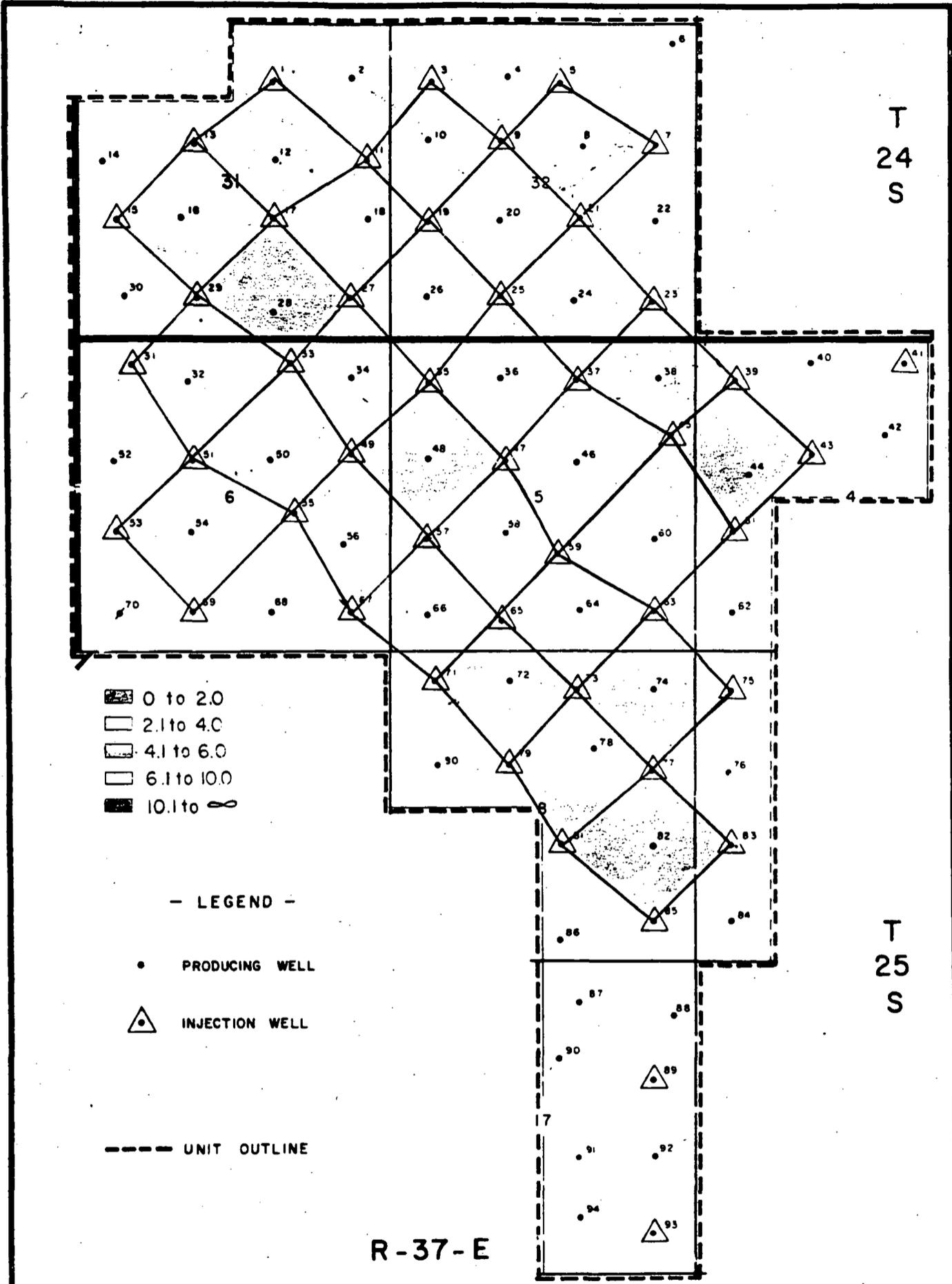


- LEGEND -
- WELL TO BE DRILLED
 - PRODUCING WELL
 - ▲ INJECTION WELL
- UNIT OUTLINE



R-37-E

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

SCALE IN FEET
 2000 0 2000 4000

S M F S W E S T D I V I S I O N 2 / 2 4 / 8 2





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:

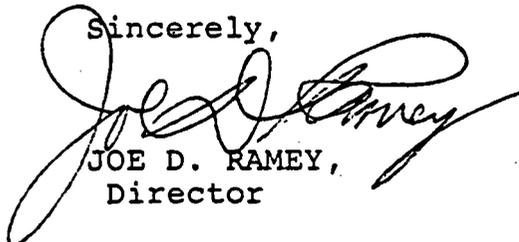
Reference is made to your application for the amendment of three non-standard locations and the addition of three non-standard locations in Lea County, New Mexico, as follows:

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

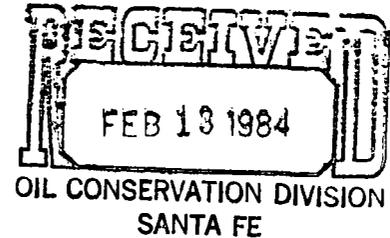
cc: Oil Conservation Division - Hobbs
Oil & Gas Engineering Committee - Hobbs

**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 NMOC 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:	4028 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) 827-2434

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 NMOCDO 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

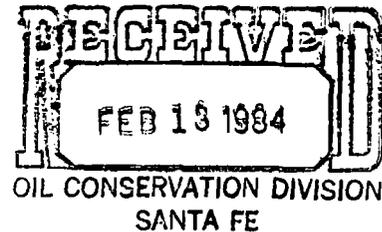
1. SUBMIT A DETAILED DESCRIPTION OF THE CIRCUMSTANCES NECESSITATING DRILLING OF ADDITIONAL WELL(S) ON THE PRORATION UNIT FOR EACH WELL. (I.E., MECHANICAL DIFFICULTY, RESERVOIR CHARACTERISTICS).
2. PROVE THE PRORATION UNIT TO BE REASONABLY PRODUCTIVE (I.E., STRUCTURE MAP ILLUSTRATING GAS-WATER CONTACTS 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,

A handwritten signature in cursive script that reads "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

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 oil well finding pursuant to NMCD Order No. R-6013-A.

*4/11/83
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).
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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. 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.
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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

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 FEE

1. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2. Type of Work
DRILL DEEPEN PLUG BACK
3. Type of Well
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

7. Unit Agreement Name
Langlie 1al Unit

8. Field or Lease Name

4. Name of Operator
Union Texas Petroleum Corporation

9. Well No.
98

5. Address of Operator
1300 Wilco Bldg. Midland, Texas 79701

10. Field and Sect. or Wildcat
Langlie Mattix (Queen)

6. Location of Well
UNIT LETTER I LOCATED 1422 FEET FROM THE South LINE

11. Section, Township, Range
1200 FEET FROM THE East LINE OF SEC. 32 TWP. 24-S RGE. 37-E NMPM

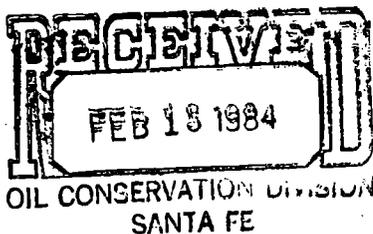
17. County
Lea

12. Proposed Depth 3700	19A. Formation Seven Rivers Queen Rotary	20. History or C.T.
21. Circulation (from whether H, K, etc.) 3248.2 GR	21A. Lining & Status (plug, blank)	21B. Drilling Contractor 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 SURFACE
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 PROSPECTIVE PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION PROGRAM, 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

APPROVED BY: JERRY SEXTON TITLE: DATE: JUL 7 1982

ADDITIONAL COMMENTS: [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 O-100
Supersedes O-100
Effective 10-65

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

Operator Union Texas Petroleum Corp.		Lease Langlie-Jal Unit		Well No. 98
Unit Number I	Section 32	Township 24-S	Range 37-E	County Lea

Actual, Physical Location of Wells

1200 feet from the **East** line and **1422** feet from the **South** line

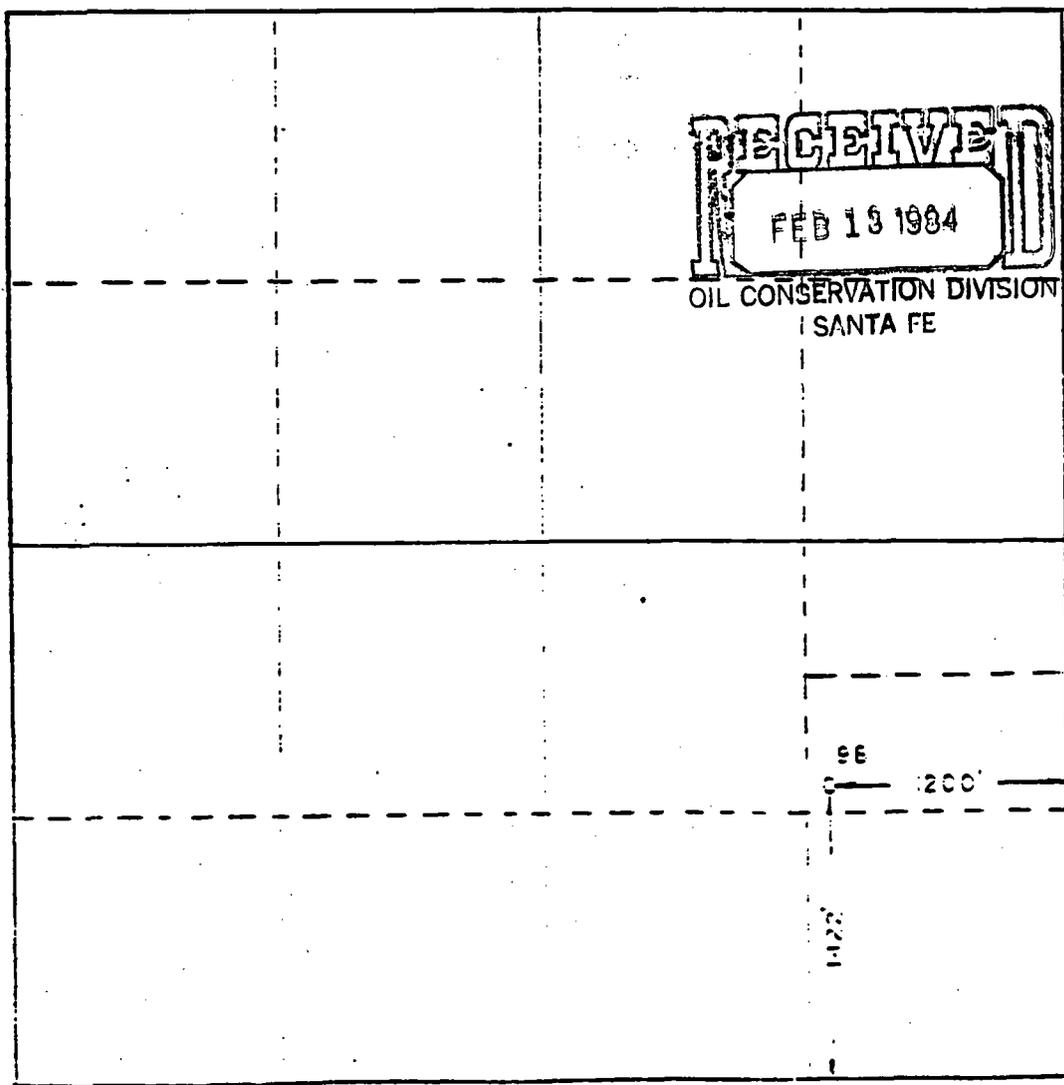
Ground Level Elev. 3248.2	Producing Formation Seven Rivers Queen	Pool Langlie Mattix (Queen)	Dedicated Acreage: 20 Acres
-------------------------------------	--	---------------------------------------	---------------------------------------

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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.



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 Oil Well Surveyor
W. E. Shaw

30-025-27843

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
FEB 13 1984
 OIL CONSERVATION DIVISION
 SANTA FE

Form C-101
Revised 1-1-65

1. Indicate Type of Lease.
 STATE FEDERAL
 2. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 b. Type of Well
 DRILL DEEPEN PLUG BACK
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE
 2. Name of Operator
 Union Texas Petroleum Corporation
 3. Address of Operator
 1300 Wilco Bldg. Midland, Texas 79701
 4. 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 R. 37-E N.M.P.M.
 7. Unit Agreement Name
 Langlie 1al Unit
 8. Well No.
 98
 10. Field and Pool, or Wildcat
 Langlie Mattix (Queen)
 17. County
 Lea
 18. Proposed Depth
 3700
 19A. Formation
 Seven Rivers Queen Rotary
 20. History or C.T.
 21. Production (Show whether DI, RI, etc.)
 3248.2 GR
 21A. Area & Status (Prod. Hold)
 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 SURFACE
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 AREA, 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 DISPATCH 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

Form O-100
Supersedes O-100
Effective 10-81

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

Operator Union Texas Petroleum Corp.		Lease Langlie-Jal Unit		Well No. 98
--	--	----------------------------------	--	-----------------------

Section I	Section 32	Township 24-S	Range 37-E	County Lea
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Actual, Factory Location of Well:
1200 feet from the **East** line and **1422** feet from the **South** line

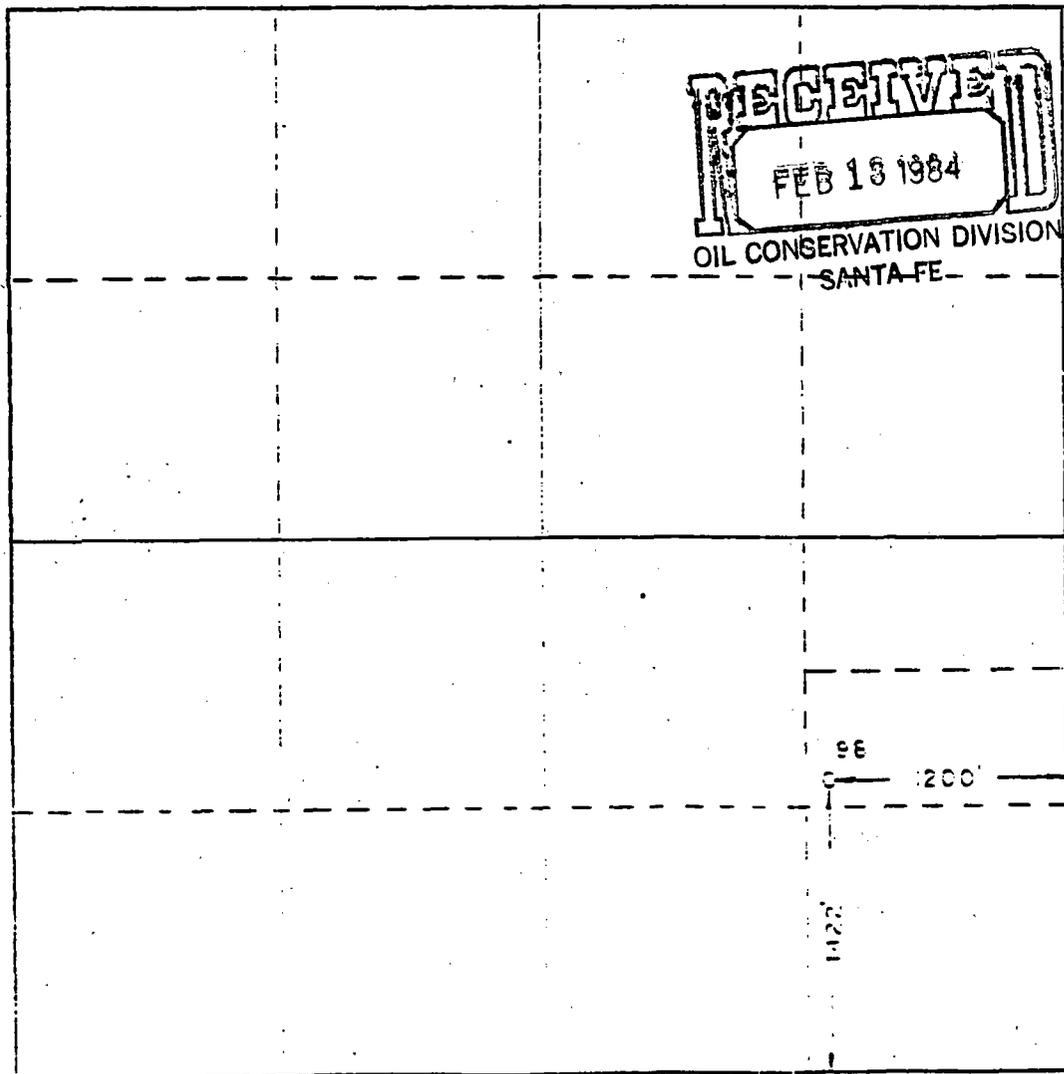
Ground Level Elev. 3248.2	Producing Formation Seven Rivers Queen	Pool Langlie Mattix (Queen)	Dedicated Acreage: 20 Acres
-------------------------------------	--	---------------------------------------	---------------------------------------

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

Paul E. [Signature]
Professional Engineer

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED
JAN 19 1983

Form C-102
Supersedes C-128
Effective 1-1-85

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

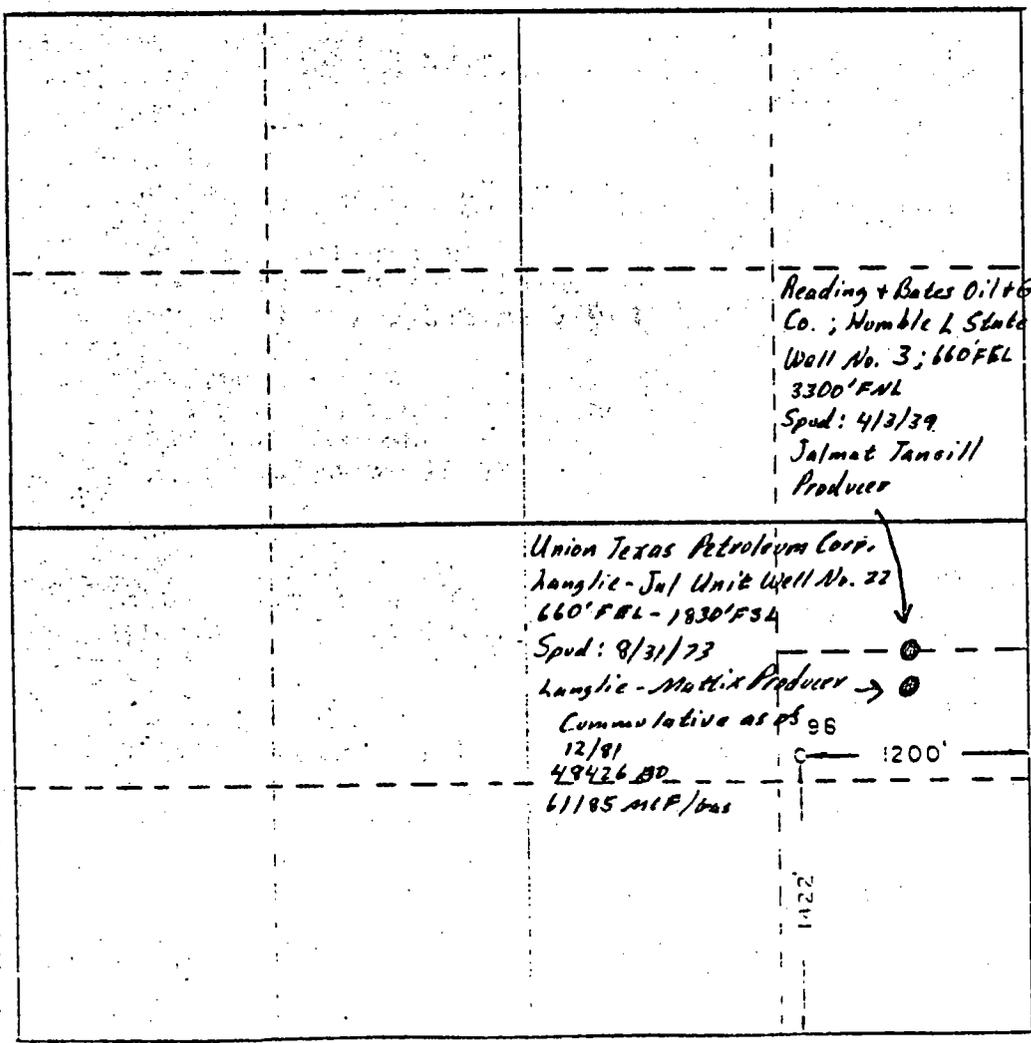
Operator Union Texas Petroleum Corp.		Lessee Langlie-Jal Unit		Well No. 681
Unit Letter I	Section 32	Township 24-S	Range 37-E	County SANTA FE
Actual Footage Location of Well: 1200 feet from the East line and 1422 feet from the South line				
Ground Water Level 3248.2	Producing Formation Seven Rivers Queen	Well Langlie Mattix (Queen)	Dedicated Acreage: 20 40 Acres	

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

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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
MOU 22 1982
Registered Professional Engineer and/or Land Surveyor
M. E. Shaw
Certificate No.
2189

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED
JAN 19 1983

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

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

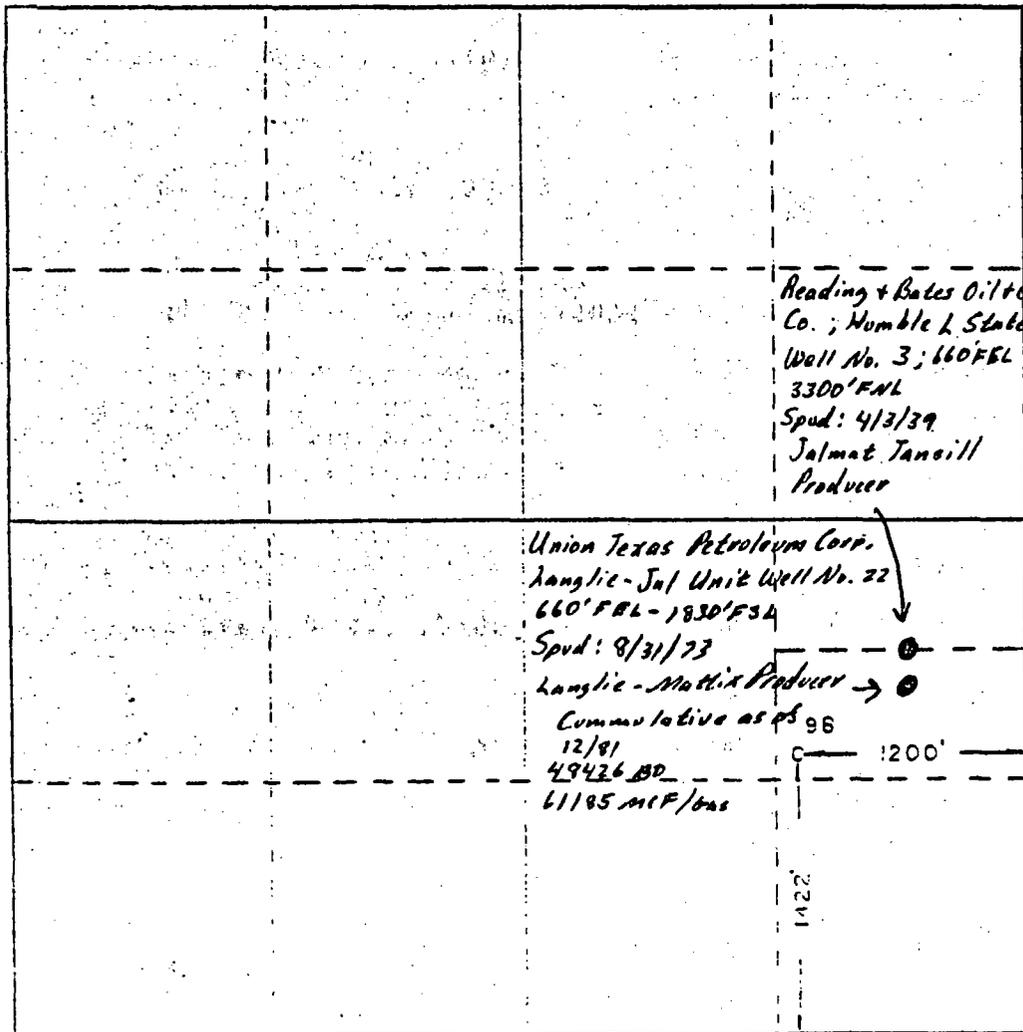
Operator Union Texas Petroleum Corp.		Lease Langlie-Jal Unit		Division UNION CONSERVATION DIVISION	
Unit Letter I	Section 32	Township 24-S	Range 37-E	County SANTA FE	
Actual Surface Location of Well: 1200 feet from the East line and 1422 feet from the South line					
Ground Level Elevation 3248.2	Producing Formation Seven Rivers Queen		Well Langlie Mattix (Queen)		Dedicated Acreage: 20 40 acres

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

Name
Richard Atchley

Position
Prod. Services Supr.

Company
Union Texas Pet. Corp.

Date
June 1, 1982

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Date Surveyed
MOU 22 1982

Registered Professional Engineer and/or Land Surveyor

M. E. Linn