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

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

ADMINIS	TRATIVE	ORDER
NFL	101	

5

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

Operator Union Texas Petr. Corp. Well Name and No. Langlie Tal Unit Well #9
Location: Unit M Sec. 32 Twp. 245 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 SW/4 SW/4 of Sec. 32 —, Twp. 24S , Rng. 37E , is currently dedicated to the Langlie Jal Uni
Well No. 26 located in Unit M 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 104,000 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.
Michael & Stormer
DIVISION DIRECTOR EXAMINER L

cc: OCD Hobbs Well File SF

STATE OF NEW MEXICO



ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

January 6, 4987.

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-149

Dear Hr. 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. 104 located 140 feet from the South line and 247 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 in 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 promation unit which cannot be so drained by any existing well within that unit, and must grant a waver 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 weil 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 04 acres.

(4) A standard 40-acre oil proration unit comprising the SW/4 SW/4 (Unit M) of Section 32, Township 24 South, Range 37 East, is currently dedicated to the Langlie Jal Unit Wells Nest, is currently dedicated in Unit M of said Section 32.

(5) Administrative Order No. $MFL-101_s$ dated October 11, 1984, suthorized an Infill Well Finding for said Langlie Jal Unit Well No. 95 on the aforementioned proration unit. WFL-101 should remain in full force and not be effected by the entry of this order.

(6) Said unit is <u>not</u> 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 62,000 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 suthorized to drill the Langlie Jal Unit Well No. 104 as described above, as an infill well on the existing 40-acre oil proration unit comprising the SW/4 (Unit M) of Section 32, Township 24 South, Range 37 East, WMPM, Langlie Mattix Pool, Les County, New Mexico. The authorization for infill drilling granted by this order is an exception to applicable well specing requirements and is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing cannot be effectively and efficiently drained by any existing cannot be effectively and efficiently drained by any existing well thereon.

(S) Division Administrative Order No. NFL-101, dated October 11, 1984, shall also 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.M.O.C.D.- Hobbs MFL-101 File

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT



OIL CONSERVATION DIVISION

January 6, 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-149

Dear Mr. Stanley:

Reference is made to your application for an Infill Well Finding and Well-Spacing Naiver made pursuant to Section 271.305(b) of the Federal Energy Regulatory Commission regulations, Natural Gas Policy Act of 1978, and Gil Conservation Division Order No. R-6013 for the following described well:

Langlie Jal Unit Well No. 104 located 140 feet from the South line and 247 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 Pelicy Act of 1978 provides that, in order for in 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 waver 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 Langia Mattix Pool, and the standard spacing unit in said pool is 40 acres.

(4) A standard 40-acre oil proration unit comprising the SW/4 SW/4 (Unit M) of Section 32, Township 24 South, Range 37 East, is currently dedicated to the Langlie Jal Unit Wells Nos. 25 and 95 also located in Unit M of said Section 32.

(5) Administrative Order No. NFL-101, dated October 11, 1984, suthorized an Infill Well Finding for said Langlie Jal Unit Well No. 95 on the aforementioned proration unit. WEL-10i should remain in full force and not be effected by the entry of this order.

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

(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.

IL IS INEREFORE ORDERED INVI:

Langlie Jal Unit Well No. 104 as described above, as an infill well on the existing 40-acre oil proration unit compinetial well on the existing 40-acre oil proration unit comprising the SW/4 (Unit M) of Section 32, Township 24 South, Range 37 East, MMPM, Langlie Mattix Pool, Lea County, New Mexico. The authorization for infill drilling granted by this order is an exception to applicable well apacing 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 cannot be effectively and efficiently drained by expecting

(2) Division Administrative Order No. NFL-101, dated October il, 1984, shall also remain in full force and effect until further notice.

further orders Cause is retained for the entry Division may deem necessary.

Michael E. Stogner, Examiner

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

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

ADMINISTRATIVE ORDER
NFL

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

Operator Union Texas Petroleum Corporation Well Na	ne and No. hanglie Jul Unit Well No. 95
Location: Unit M Sec. 32 Twp. 2450024 Rng. 37	
II.	
THE DIVISION FINDS:	
(1) That Section 271.305(b) of the Federal Energy Reg promulgated pursuant to the Natural Gas Policy Act of well to qualify as a new onshore production well under find, prior to the commencement of drilling, that the efficiently drain a portion of the reservoir covered b drained by any existing well within that unit, and mus requirements.	1978 provides that, in order for an infill Section 103 of said Act, the Division must well is necessary to effectively and y the proration unit which cannot be so t grant a waiver of existing well-spacing
(2) That by Order No. R-6013, dated June 7, 1979, the procedure whereby the Division Director and the Division Division and find that an infill well is necessary.	on Examiners are empowered to act for the
(3) That the well for which a finding is sought is to	
(4) That a 40 -acre proration unit compri of Sec. 32, Twp. 24 Sorth, Rng. 37 fast, is cur located in Unit M o	nit in said pool is40acres sing the $SW/4SW/4$ rently dedicated to the Ang/ic $Sa/$ $Unit$ f said section.
(5) That this proration unit is () standard () no previously approved by Order No.	nstandard: if nonstandard, said unit was
(6) That said proration unit is not being effectively well(s) on the unit.	and efficiently drained by the existing
(7) That the drilling and completion of the well for the production of an additional 104,000 MCF of otherwise be recovered.	which a finding is sought should result in gas from the proration unit which would not
(8) That all the requirements of Order No. R-6013 have for which a finding is sought is necessary to effective reservoir covered by said proration unit which cannot the unit.	ly and efficiently drain a portion of the
(9) That in order to permit effective and efficient d application should be approved as an exception to the pool.	
IT IS THEREFORE ORDERED:	
(1) That the applicant is hereby authorized to drill infill well on the existing proration unit described i for infill drilling granted by this order is an except and is necessary to permit the drainage of a portion o unit which cannot be effectively and efficiently drain	Section II(4) above. The authorization to applicable well spacing requirements the reservoir covered by said proration
(2) That jurisdiction of this cause is retained for t Division may deem necessary.	ne entry of such further orders as the
DONE at Santa Fe, New Mexico, on thisday of	, 19
DIVISI	ON 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 Sante Fe, New Mexico 87501 FEB 13 1984

OIL CONSERVATION DIVISION SANTA FE

Attn: Mr. Mike Stogner

RE: Langlie Jal No. 95

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

Natural Gas Operations

Ralph Stanley

RES/kg

PBQ:0084:-1-

Langlie Jal No. 95

Dedicated Acreage: Location:

Spud Date: Completion Date: Langlie Mattix (Queen)
20 Acres
Section 32-M, TWP. 24-S, Range 37-E
8/22/82
9/10/82

STATE OF NEW MEXICO



ENERG, AND MINERALS DEPA. TMENT

OIL CONSERVATION DIVISION

Union Texas Petroleum Corp. P.O. Box 2120
Houston, Texas 77001
Letentin Steven R. Atten

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

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 #95-M 32-24S-37E

SECT	TION(S) APPLIED FOR 103
DATI	E APPLICATION RECEIVED January 19, 1983
APPI	LICATION INCOMPLETE Please submit this wells C-101; obtain an infill well finding from to NMOCD Order R-6013 - A, attached. Sincerely,
DATI	mille-Ch
	THIS FORM LETTER MUST ACCOMPANY TWO COPIES OF THE SUPPLEMENTARY INFORMATION.
4/11/83	Please obtain an infill well finding pursuant to NMOCD Order No. (R-6013-A (attached).)
	MCI 18

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 PROPATION UNIT IS NOT CAPABLE OF RECOVERING. SHOW WORK.
 - 7. ESTIMATE THE RECOVERY OF EACH ADDITIONAL WELL.

LANGLIE JAL UNIT WELL NO. 95

- 1. A recent reservior 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. 95 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 intial production of 30 BOPD, a GOR of 1900 and a unit production decline of 20%, reserves for this well are estimated at 54,750 BO and 104 MMCF gas.
- 4. The cumulative production from the Langlie Jal Unit Well No. 26 is 213 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. 26. 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 54,000 STBO and 104 MMCF gas.
- 7. The estimated recovery of the Langlie Jal Unit No. 95 is 54,000 STBO and 104 MMCF gas.

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AMENDEDSPLAT 7-6-82

NEW MEXICO OIL CONSERVATION COMMISSION

Supersoder C-128 Effective 14.45

JOCATION AND ACREAGE DEDICATIO PLAT All distances must be from the cuter boundaries of the Section. Well lie. Union Texas Petroleum Corp. Langlie-Jal Unit 95 Tennship County Lea South 1250 West Greens Lyne: Elev. . Producine Formation Dedicates Astespes | Seven Rivers Queen Langlie Hattix (Queen) 1. Obtline 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 rovalty). 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 - 10 Hanswer 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 knowleste and belief. OIL CONSERVATION DIVISION Richard Atchley SANTA FE Prod. Services Supr. Union Texas Pet. Corp. June 1, 1982 I hemby certify that the well location shown on this plet was platted from field notes of cotual 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 Surveys a May 22 1982 Reductored Protessional Endinect and its Land Lurveyer

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. 95

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

Natural Gas Operations

h Stanley

RES/kg

PBQ:0084:-1-

An ALLIED Company

Langlie Jal No. 95

Pool:

Dedicated Acreage: Location:

Spud Date: Completion Date:

Langlie Mattix (Queen) 20 Acres

Section 32-M, TWP. 24-S, Range 37-E 140' FSL and 1250' FWL

8/22/82 9/10/82



ENERG, AND MINERALS DEPA. IMENT

OIL CONSERVATION DIVISION

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87501 (805) 827-2434

Union Texas Petroleum Corp. P.O. Box 2120 Houston, Texas 77001 Attention Steven R. Alten

> 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 N	AME AND LOCATION Langlie-Jal #95-M 32-24S-37E
	SECTIO	N(S) APPLIED FOR 103
	DATE A	PPLICATION RECEIVED January 19, 1983
	APPLIC	ATION INCOMPLETE Please submit this wells C-101; obtain an infill well finding to Amoun Order A-6013 - A attached. Sincerely,
	DATE:	January 24, 1983 Michael E. Stogner
		HIS FORM LETTER MUST ACCOMPANY TWO COPIES OF THE SUPPLEMENTARY NFORMATION.
4/11/	183 N	Please obtain an infill well finding purment to NMOCO Order

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 PROPATION 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. 95

- 1. A recent reservior 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. 95 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 intial production of 30 BOPD, a GOR of 1900 and a unit production decline of 20%, reserves for this well are estimated at 54,750 BO and 104 MMCF gas.
- 4. The cumulative production from the Langlie Jal Unit Well No. 26 is 213 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. 26. 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 54,000 STBO and 104 MMCF gas.
- 7. The estimated recovery of the Langlie Jal Unit No. 95 is 54,000 STBO and 104 MMCF gas.

1/31/84 SMF/sf

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MENDED PLAT 7-6-82

NEW MEXICO CONSERVATION COMMISSION WEL - OICATION AND ACREAGE DEDICATION PLAT

Form C+111 Supersedes C+126 Extensive 1-1-61

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Union Texas Petroleum

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

OIL CONSERVATION DIVISION SANTA FE

Control of the state of the sta

December 30, 1983

New Mexico Department of Energy and Minerals Oil Conservation Division P.O. Box 2088

Sante Fe, New Mexico 87501

Attention: Mike Stogner

Re: Langlie-Jal #95

Langlie-Jal #98 Langlie-Jal #99 Langlie-Jal #100

Dear Mr. Stogner:

Please find enclosed the infill well findings for the subject wells.

Thank you for your cooperation in this matter. If additional information is needed, please contact me at (713) 960-7805.

Yours truly,

Ralph E. Stanley

Natural Gas Operations

Ralph Stanley

RES; wr enclosures

Rule 8 (g)

In a recent reservior study it became apparent that porosity stringers in the Seven Rivers - Queen formations of the Langlie Jal Unit varied from well to well in quantity and quality (See exhibit A). In order to decrease the discontinuity it was proposed that an infill well pilot project be undertaken. The infill program has been successful in other floods and is expected to be so here.

The increased density is expected to recover oil passed by in the water-flood and primary reserves in porosity stringers that have not been perforated or are not present in offset wells.

Rule 9 (6)

Each well is expected to recover 54,000 barrels of incremental oil based on an initial production of 40 BOPD and a constant decline of 21%.

SMF/grb

Rule 8 (g)

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AMENDED PLAT 7-6-82

Form C-112 Supersedes C-128 Effective 1-1-65

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NEW MEXICO OIL CONSERVATION COMMISSION 1DED PLAT 7-6-82 WELL LOCATION AND ACREAGE DEDICATION PL Union Texas Petroleum Corp. Langlie-Jal Uni F. 27.00 COUNTY OLL CONSERVATION DIVISION Township Lea SANTA FE 1250 South line and West Freducing Fermetten. Deticeres Acresçe Langlie Mattix (Queen) Seven Rivers Queen 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 rovalty). 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? No ... Manswer is "yes;" type of consolidation _ If enswer 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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the Richard Atchley Prod. Services Supr. Union Texas Pet. Corp. June 1, 1982 Union Texas Petroleum Corp. Langlie Sal Unit Well No. 26 I hereby certify that the well location 660'F5+WL shown on this plat was platted from field Spud: 8/13/38 notes of octual surveys mode by me or Langlie - Mattir Production under my supervision, and that the same Cummulative as of 12/81

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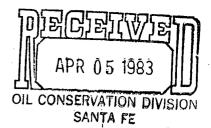
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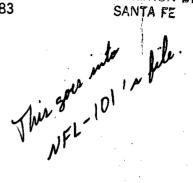
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Union Texas Petroleum

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 95

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 well enable you to place our application in line for proper hearing procedures.

Yours truly,

UNION TEXAS PETROLEUM CORPORATION

Maria L. Estruch

Maria

Natural Gas Operations

MLE:bm

Encl.



STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

July 21, 1982

APR 05 1983

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO B7501
(505) 827-2434

OIL CONSERVATION DIVISION SANTA FE

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.

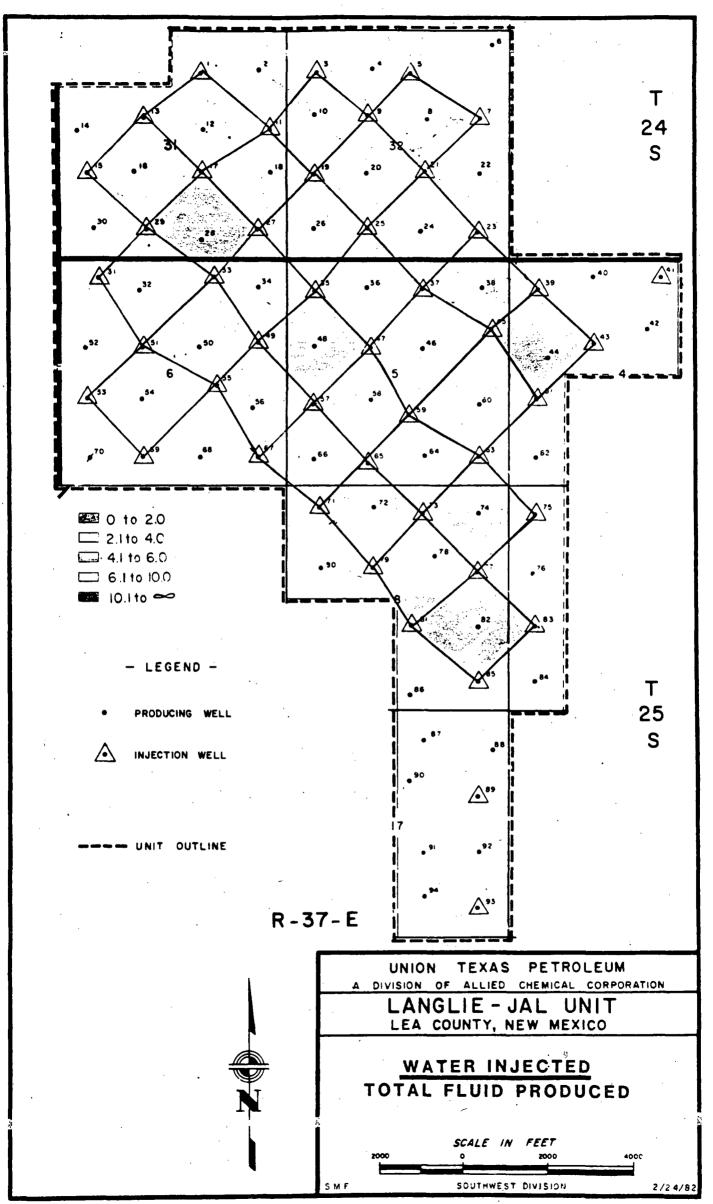
Sincerely,

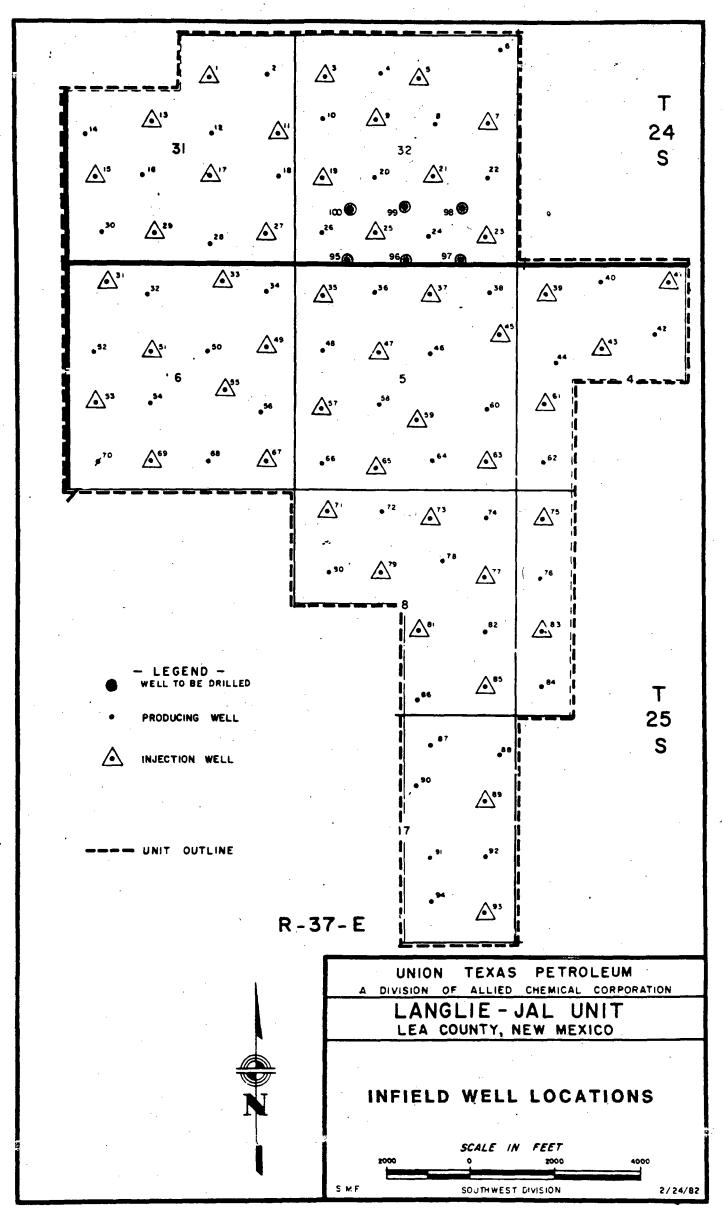
JOE D. RAMEY,

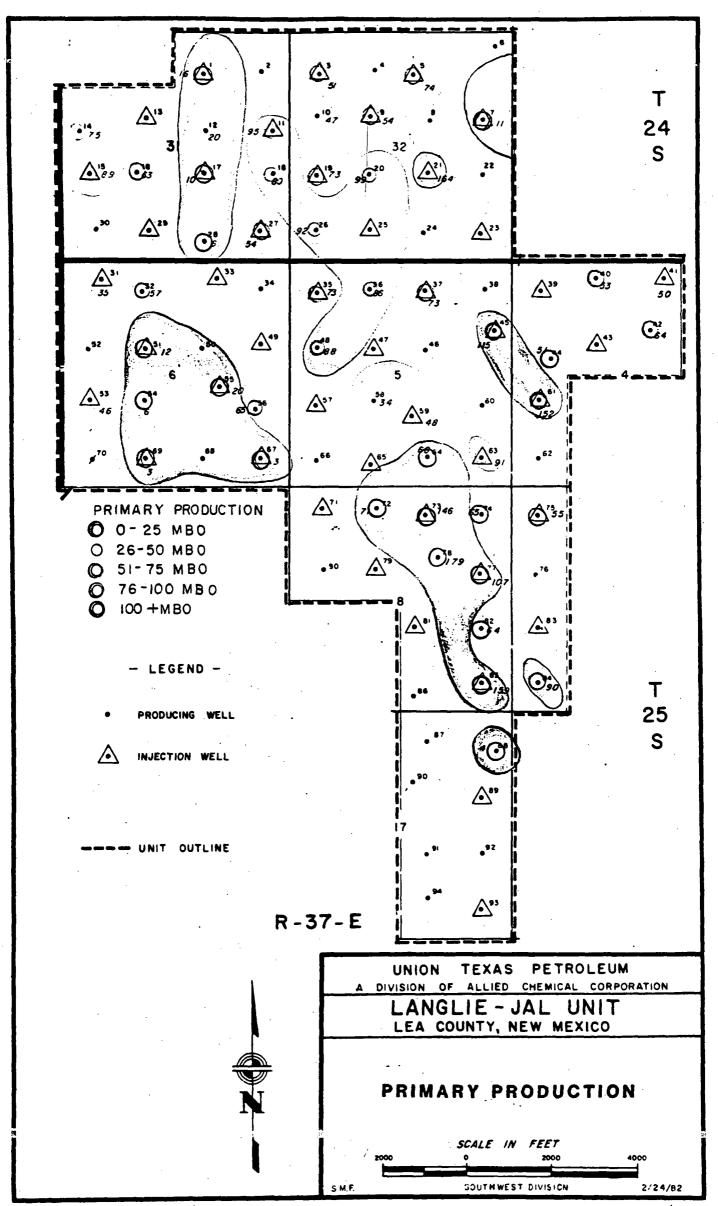
Director

JDR/RLS/dr

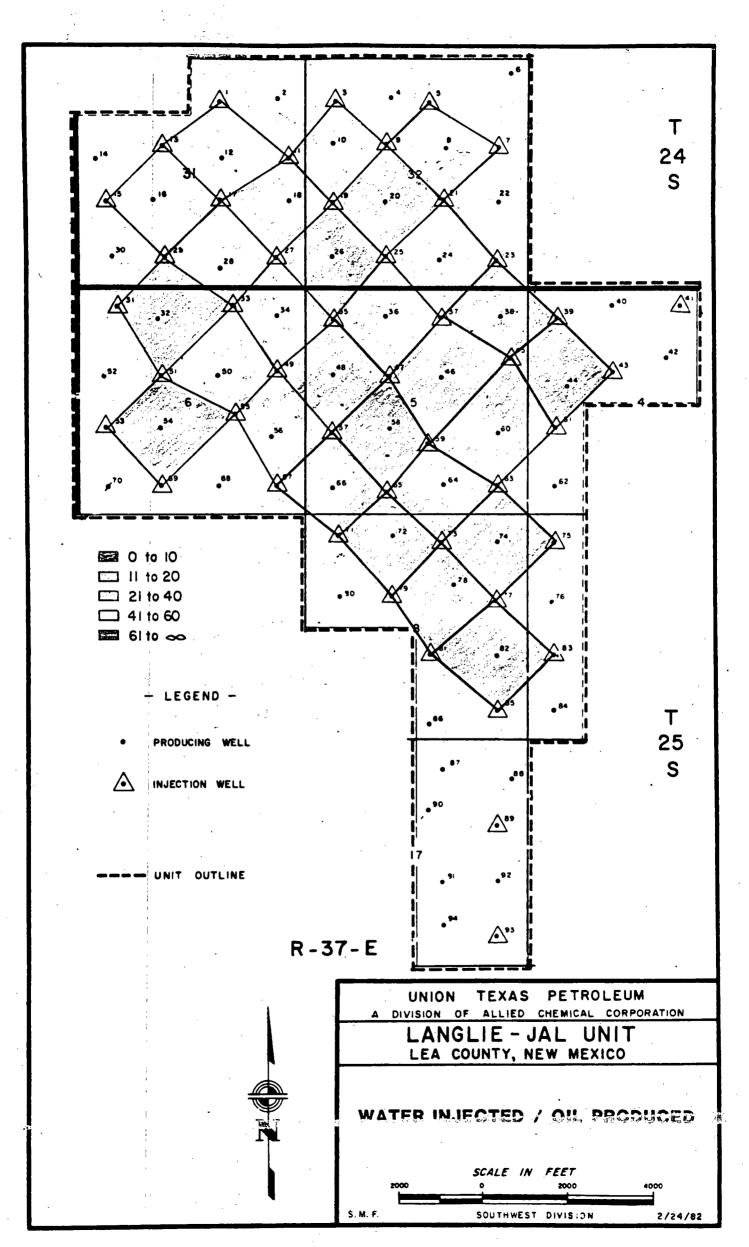
cc: Oil Conservation Division - Hobbs
Oil & Gas Engineering Committee - Hobbs

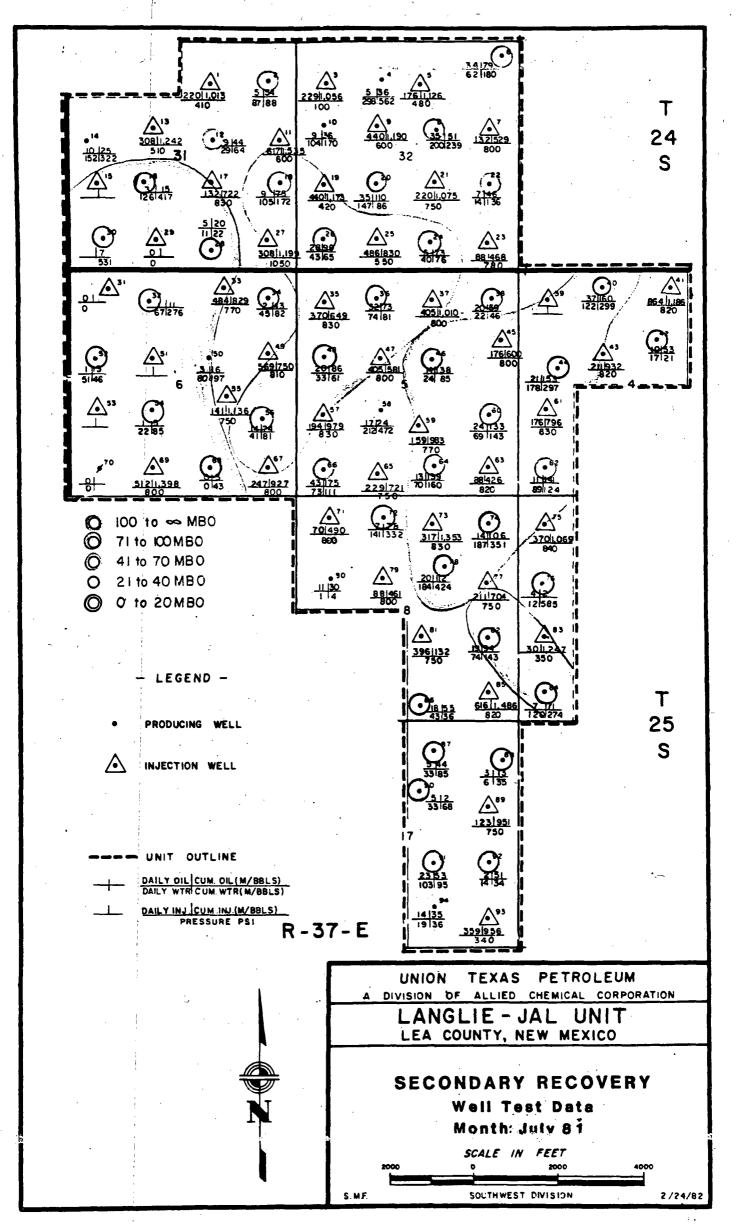






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If answer is	"no!" list the owners	and tract descriptions	which have actually b	een consolidated. (Use reverse side
this form if n	ecessary.)			·
				ated (by communitization, unitization
iorced-poolin sion.	g. or otherwise) or until	a non-standard unit.	sliminating such interes	sts, has been approved by the Comm
		<u> </u>	1.	CERTIFICATION
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	!		1	I hereby certify that the information of
			rii Head	tained herein is true and complete to best of my knowledge and belief.
				Cular Metton
	<u> </u>	<u> </u>		Richard Atchley
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				Company
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				Cempany Union Texas Pet. Corp. Date June 1, 1982
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				Cempany Union Texas Pet. Corp. Date June 1, 1982 I hereby certify that the well-local shown on this plat was platted from the notes of actual surveys made by me
				Company Union Texas Pet. Corp. Date
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	95			Union Texas Pet. Corp. Date June 1, 1982 I hereby certify that the well local shown on this plat was plotted from the notes of actual surveys made by me under my supervision, and that the sais true and correct to the best of knowledge and belief.
;250'	95			Union Texas Pet. Corp. Date June 1, 1982 I hereby certify that the well local shown on this plat was platted from fix notes of actual surveys made by me under my supervision, and that the sais true and correct to the best of knowledge and belief. Date Surveyed May 22,1982 Replicated Professional Engineer