

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 DOYLE HARTMAN Well Name and No. B.M. JUSTIS WELL NO. 12  
Surface/Bottom Hole \_\_\_\_\_  
Location: Unit E/A Sec. 20/19 Twp. 25 South Rng. 37 East Cty. LEA

II.

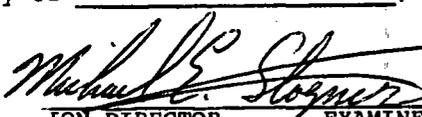
THE DIVISION FINDS:

- (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 JALMAT(OIL) Pool, and the standard spacing unit in said pool is 40 acres.
- (4) That a (oil) 40 -acre proration unit comprising the NE/4 NE/4 of Sec. 19, Twp. 25 South, Rng. 37 East, is currently dedicated to the BETTIS, BOYLE, AND STOVALL, B.M. JUSTIS WELL NO. 4 located in Unit A 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 18,728 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 13 day of MARCH, 19 86.

  
D. \_\_\_\_\_ ION DIRECTOR \_\_\_\_\_ EXAMINER x

Received 11/8/85  
Approved 3/17/86  
M. Stogner

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

ADMINISTRATIVE ORDER  
NFL 129

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 Doyle Hartman Well Name and No. B.M. Jusis Well No. 12  
Location: Unit E/A Sec. 20/19 Twp. 25 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 Salmat (O.1) Pool, and the standard spacing unit in said pool is 40 acres.
- (4) That a (oil) 40 -acre proration unit comprising the NE 1/4 NE 1/4 of Sec. 19, Twp. 25 South, Rng. 37 East, is currently dedicated to the Bettis, Boyle, & Stovall B.M. Jusis Well No. 4 located in Unit A 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 18,728 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.

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

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 Doyle Hartmen Well Name and No. B. M. Justis Well #12  
Location: Unit E/A Sec. 20/19 Twp. 25S Rng. 37E Cty. Lea

SL/BLM  
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.
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- (3) That the well for which a finding is sought is to be completed in the Jalpat (Oil) Pool, and the standard spacing unit in said pool is 40 acres.
- (4) That a (Oil) 40-acre proration unit comprising the NE/4 NE/4 of Sec. 19, Twp. 25S, Rng. 37E, is currently dedicated to the Bettis, Boyle, & Stovall B.M. Justis located in Unit: A of said section.
- (5) That this proration unit <sup>Well # 4</sup> is (  ) standard (  ) nonstandard; if nonstandard, said unit was previously approved by Order No. \_\_\_\_\_.
- (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 18,728 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.
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IT IS THEREFORE ORDERED:

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Operator DOYLE HARTMAN Well Name and No. B.M. JUSTIS WELL NO. 12  
Surface/Bottom Hole \_\_\_\_\_  
Location: Unit E/A Sec. 20/19 Twp. 25 South Rng. 37 East Cty. LEA

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(4) That a (oil) 40 -acre proration unit comprising the NE/4 NE/4 of Sec. 19, Twp. 25 South, Rng. 37 East, is currently dedicated to the BETTIS, BOYLE, AND STOVALL B.M. JUSTIS WELL NO. 4 located in Unit A 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 18,728 MCF of gas from the proration unit which would not otherwise be recovered.

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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 13 day of MARCH, 19 86.

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

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P.O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

November 4, 1985

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Michael Stogner

Re: Administrative Procedure  
Infill Finding  
B. M. Justis No. 12  
1450 FNL & 120 FWL (E)  
Section 20, T-25-S, R-37-E  
Lea County, New Mexico  
(Surface Location)

Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, we hereby request an infill finding (NFL) for the above captioned B. M. Justis No. 12, the surface location of which is found at 1450 FNL & 120 FWL (E) Section 20, T-25-S, R-37-E, Lea County, New Mexico.

With regard to our request, and in accordance with Order R-6013-A, we submit the following:

- Rule 5 A copy of approved Form C-101 for the infill well and Form C-102 showing the proration unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled is Jalmat (Oil) Pool, and the standard spacing unit therefor is 40 acres.
- Rule 7 The number of the Administrative Order approving the directional drilling for the well is DD-1. The bottomhole location for the well is 928 FNL & 403 FEL (A) Section 19, T-25-S, R-37-E.
- Rule 8 Table 1 attached to William P. Aycock's letter dated December 6, 1984 shows the following:
- a. Lease name and well location;

PERFORMANCE 66 67000

66A

PERFORMANCE 66 67000

66A

PERFORMANCE 66 67000

66A

66A

PERFORMANCE 66 67000

66A

WILLIAM P. AYCOCK & ASSOCIATES, INC.

*Petroleum Engineering Consultants*

1207 West Wall  
MIDLAND, TEXAS 79701

PHONE 915/683-5721

December 6, 1984

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

Attention Mr. Mike Stogner

Subject: Administrative Application for  
Infill Well Findings for  
Doyle Hartman B. M. Justis No. 12  
Section 19, Township 25 South,  
Range 37 East, 928' FNL & 403' FEL  
Jalmat (Oil) Pool  
Lea County, New Mexico

Gentlemen:

Application is hereby made for an administrative infill well finding effective with initial gas deliveries for the described well in accordance with Exhibit "A", Oil Conservation Division, New Mexico Department of Energy and Minerals, Order R-6013-A. The following constitute the requirements of the said Order:

- Rule 5: Attached are copies of Forms C-101 and C-102.
- Rule 6: The name of the pool in which the infill well has been drilled is the Jalmat Pool, and the standard spacing therefor is 40 acres.
- Rule 7: The directional drilling permit was approved administratively by Order No. DD-1, a copy of which is attached hereto. This Order was executed August 29, 1984, by Mr. Joe D. Ramey, Director of the Oil Conservation Division.
- Rule 8: See attached Table No. 1, "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A" for requirements of Sections "a." through "f.". Also required by Section "g." is "a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Jalmat (Oil) Pool to which the present 40-acre proration unit was assigned was the Bettis, Boyle and Stovall B. M. Justis "B" No. 4; this well produced a mean monthly volume of 802 bbl. and 1560 MCF for the months of January-May

1984, with an accumulative production of 3,084.6 MMCF as of July 1, 1984. As can be ascertained from the attached summarized completion data with well log for the B. M. Justis No. "B" 4, this well is completed over a 100-foot thick interval in the lower portion of the lower Seven Rivers formation between depths of 3280 feet and 3380 feet. (This interval does not correlate with the perforated interval in the Doyle Hartman B. M. Justis No. 12.) The Doyle Hartman B. M. Justis No. 12 is completed over a 35-foot thick gross interval between the vertical depths of 3266 feet and 3301 feet.

Therefore, the reason that the pre-existing B. M. Justis No. "B" 4 cannot efficiently and effectively drain the portion of the reservoir covered by proration unit can be summarized as follows:

1. The B. M. Justis "B" 4 was completed in less than all of the estimated net effective pay present.
2. The completion interval for the pre-existing Bettis, Boyle & Stovall B. M. Justis No. "B" 4 is in the upper Seven Rivers, while the completion interval of the infill Doyle Hartman B. M. Justis No. 12 is in the lower Seven Rivers. The completion intervals do not correlate.

Rule 9:

Sec. 2. Requires that a formation structure map be submitted; attached is a Yates formation structure map for the area including and surrounding the Doyle Hartman B. M. Justis No. 12.

Sec. b. Requires that the "volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined" be submitted. The estimated ultimate gas recovery for the Doyle Hartman B. M. Justis No. 12 is 18,728 MCF. Since the pre-existing and infill wells are completed in separate, non-correlative intervals of the Seven Rivers formation, the increased ultimate recovery is 18,728 MCF. The estimate of increased recovery for the Doyle Hartman No. 12 was accomplished as follows:

1. Daily well tests for the period September 24, 1984 to November 28, 1984, were analyzed for oil production trend and gas-oil ratio trend.
2. The results of these tests were an estimated ultimate oil recovery of 1680 bbl. of oil; the gas-oil ratio trend was without a discernable trend, ranging between 2200 and 3670 scf/bbl.
3. A similar analysis was made of the yearly production data for the Bettis, Boyle and Stovall B. M. Justis "B" 4 for the years 1959-1984.
4. The years 1959-1974 constituted a period of reasonable analogy to the Doyle Hartman B. M. Justis 12 insofar as gas-oil ratio trend is concerned. The mean gas-oil ratio resulting from this analysis is 12,467 to 1.0, as compared to an initial gas-oil ratio of 2419 to one. The ratio of mean gas-oil ratio to initial gas-oil ratio was then 3.65 to 1.0.
5. The estimated ultimate gas recovery for the Doyle Hartman B. M. Justis No. 12 was then estimated as the product of the following:  
Estimated Ultimate Oil Recovery: 1680 bbl.  
Initial gas-oil ratio: 3,056 scf/bbl.  
Ratio between mean and initial gas-oil ratios: 3.65 to 1.0

Sec. c. Other supporting data submitted include the following:

Summarized completion data with well logs for both the pre-existing and application wells.

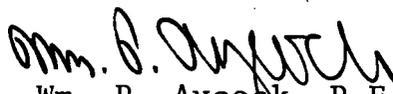
Gas Production History Tabulation and Graph for Bettis, Boyle and Stovall B. M. Justis "B" 4 (the pre-existing well).

Complete New Mexico Oil Conservation Division (NMOCD) Forms on file for both the pre-existing Bettis, Boyle and Stovall B. M. Justis "B" 4 and the Doyle Hartman B. M. Justis No. 12.

New Mexico Oil Conservation Division Order No. DD-1.

We believe that the above adequately documents this request and has been prepared in accordance with Exhibit "A", Order R-6013-A; however, we should be pleased to supply anything else which you might require in this connection.

Very truly yours,

  
Wm. P. Aycock, P.E.

WPA/bw

Enclosures

TABLE NO. 1

SUMMARY OF REQUIRED INFORMATION, RULE 8, EXHIBIT "A", ORDER R-6013-A,  
(SECTIONS "a." THROUGH "f.")

NATURAL GAS POLICY ACT INFILL FINDINGS, ADMINISTRATIVE PROCEDURE

<u>SECTION OF RULE 8</u>	<u>RULE 8 REQUIREMENT</u>	<u>PRE-EXISTING WELL BETTIS, BOYLY &amp; STOVALL, OPERATOR*</u>	<u>INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR</u>
a.	Lease Name and Well Location	B. M. Justis No. "B"-4 255' FNL & 925' FEL	B. M. Justis No. 12 928' FNL & 403' FEL
b.	Spud Date	March 13, 1953	September 6, 1984
c.	Completion Date	April 7, 1953	September 23, 1984
d.	Mechanical Problems	None	None
e.	Current Rate of Production	Produced 51 MCF/day, avg. for January-May 1984	Form C-105: 4 bbl/day & 15 MCF/day on 9-24-84
f.	Date of Plug and Abandonment	Not Plugged	Not Plugged

\*PREVIOUSLY LEONARD OIL CO. AND TENNECO OIL CO.

30-025-28805

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SATA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease  
 STATE  FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
 b. Type of Well DRILL  DEEPEN  PLUG BACK   
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

7. Unit Agreement Name

2. Name of Operator  
 Doyle Hartman

8. Farm or Lease Name  
 B. M. Justis

3. Address of Operator  
 Post Office Box 10426 Midland, Texas 79702

9. Well No.  
 12

4. Location of Well  
 UNIT LETTER E LOCATED 1450 FEET FROM THE North LINE  
 \*\* Surface Location  
 AND 120 FEET FROM THE West LINE OF SEC. 20 TWP. 25S RGE. 37E NMPM

10. Field and Pool, or Wildcat  
 Jalmat Oil

12. County  
 Lea

19. Proposed Depth 3486 TVD  
 19A. Formation Seven Rivers  
 20. Rotary or C.T. Rotary

21. Elevations (Show whether DF, RT, etc.) 3074 G. L.  
 21A. Kind & Status Plug. Bond Multi-Well Approved  
 21B. Drilling Contractor Not Selected  
 22. Approx. Date Work will start August 1984

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	9-5/8	36.0	400 TVD	600	Surface
8-3/4	7	23.0	3486 TVD	700	Surface

We propose to drill a Jalmat (7-Rivers) well with the bottom-hole location 938 FNL & 383 FEL of Section 19, T-25-S, R-37-E. The surface at this location is occupied by houses. We propose to locate the rig on a vacant lot 1450 FNL and 120 FWL of Section 20, T-25-S, R-37-E and deviate the hole to bottom-hole location 938 FNL and 383 FEL of Section 19, T-25-S, R-37-E at a true vertical depth of 3486 GL. The total depth of the well will be 3486 true vertical depth and will be located 938 FNL and 383 FEL of Section 19, T-25-S, R-37-E. A directional survey of the entire well bore will be made when total depth is reached. Doyle Hartman has requested administrative approval to deviate this well. From the base of the surface pipe through the running of production casing, the well will be equipped with a 3000-psi double ram BOP system.

NOTE: Any gas produced from the proposed well has previously been dedicated to El Paso Natural Gas Company.

APPROVAL VALID FOR 180 DAYS  
 PERMIT EXPIRES 3/6/86  
 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 Larry A. Newman Title Engineer Date July 9, 1984

(This space for State Use)

APPROVED BY JERRY SEXTON TITLE COMMISSIONER DATE SEP 6 1984

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

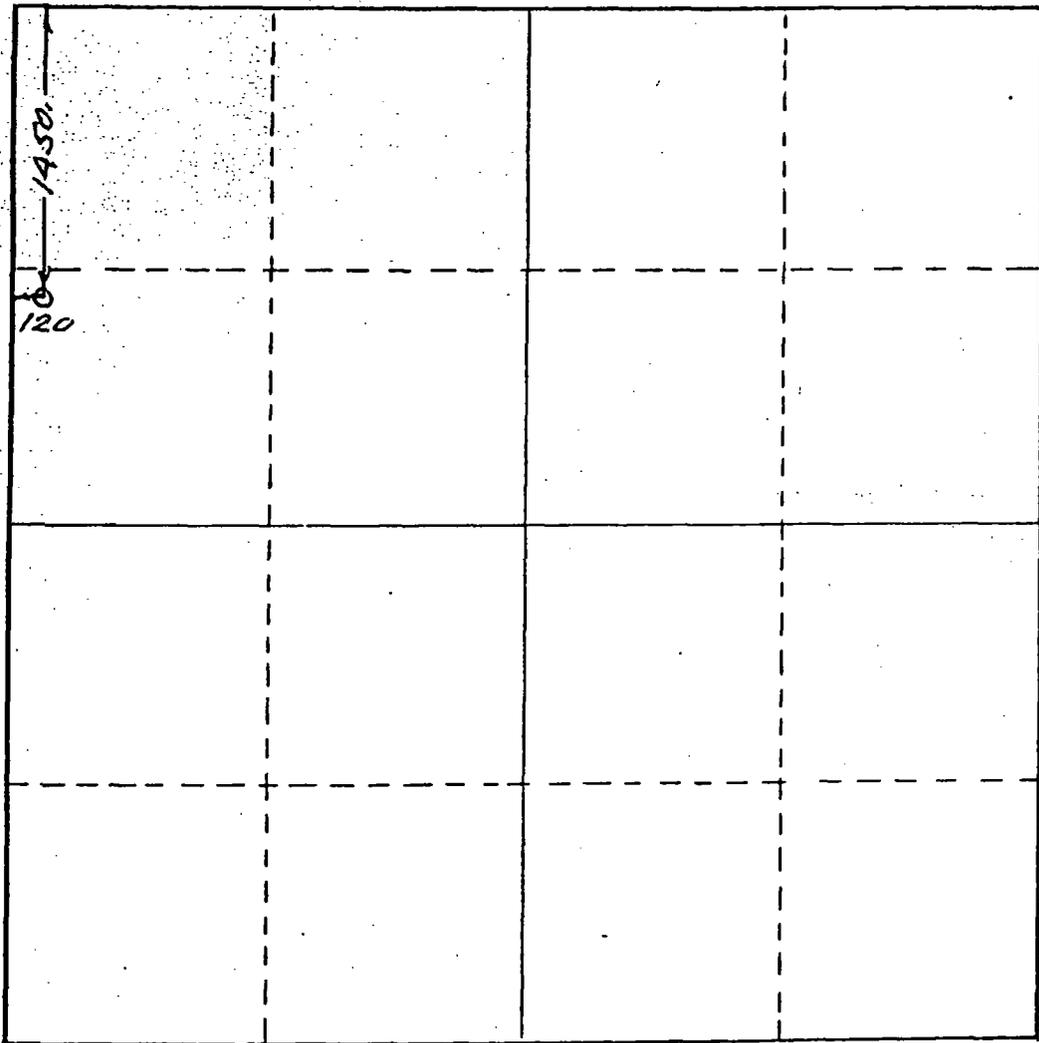
Operator <b>Doyle Hartman Oil Operator</b>		Lease <b>B.M. Justis</b>		Well No. <b>12</b>
Unit Letter <b>E</b>	Section <b>20</b>	Township <b>25 South</b>	Range <b>37 East</b>	County <b>Lea</b>
Actual Footage Location of Well: <b>1450</b> feet from the <b>North</b> line and <b>120</b> feet from the <b>West</b> line.				
Ground Level Elev. <b>3074.0</b>	Producing Formation <b>Seven Rivers</b>	Pool <b>Jalpat (Oil)</b>	Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.  
\*\*See attached C-102
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.

*Larry A. Nermyr*

Name  
**Larry A. Nermyr**

Position  
**Engineer**

Company  
**Doyle Hartman**

Date  
**July 10, 1984**

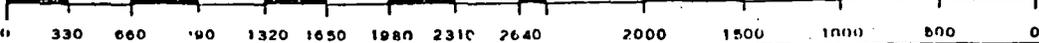
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**7-8-1984**

Registered Professional Engineer and/or Land Surveyor  
*Truman Gaskin*

**Truman Gaskin**

Certificate No. **2126**



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-12R  
Effective 1-1-65

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

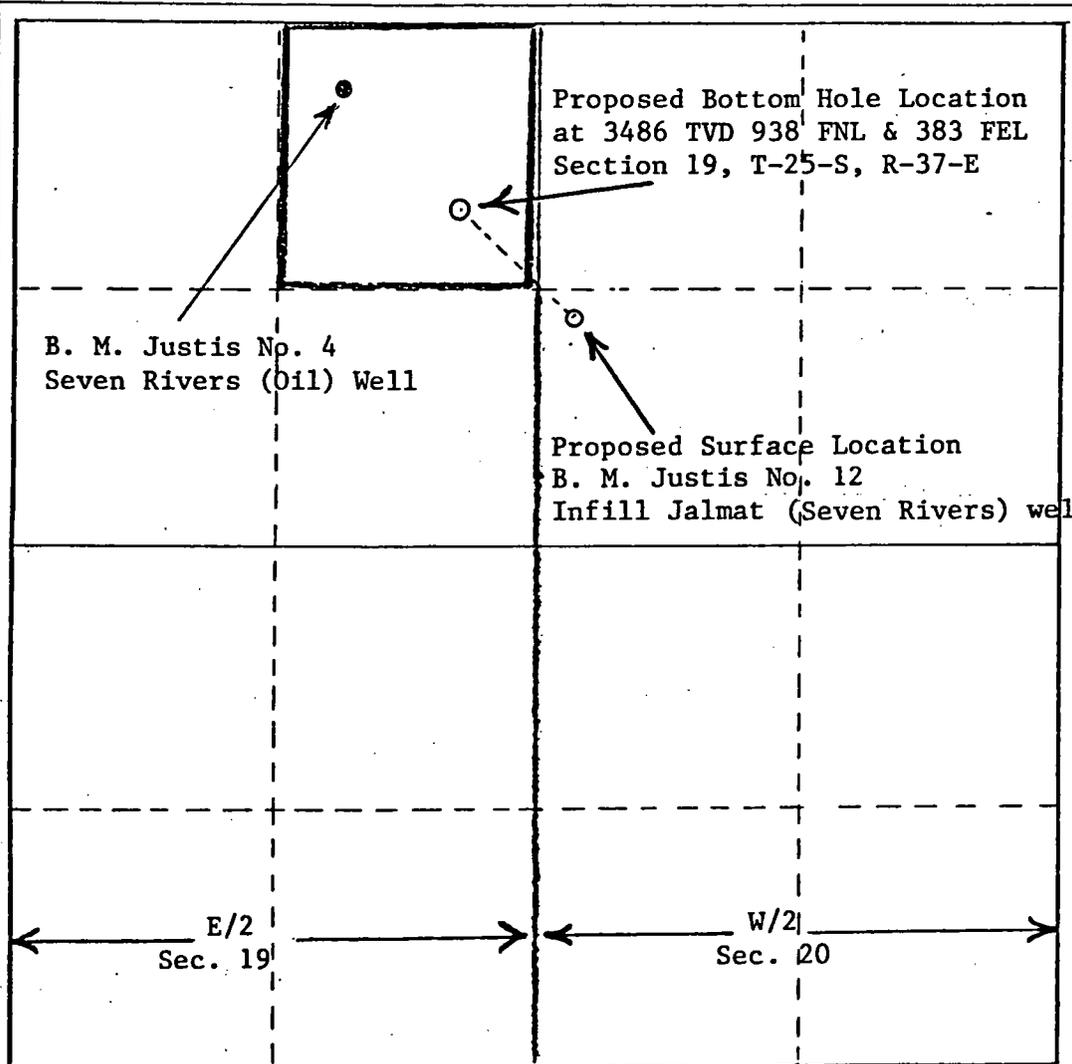
Operator <b>Doyle Hartman Oil Operator</b>		Lease <b>B. M. Justis</b>		Well No. <b>12</b>
Unit Letter <b>E</b>	Section <b>19 &amp; 20</b>	Township <b>25 South</b>	Range <b>37 East</b>	County <b>Lea</b>
Actual Footage Location of Well: <b>1450</b> feet from the <b>North</b> line and <b>120</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3074.0</b>	Producing Formation <b>Seven Rivers</b>	Pool <b>Jalmat (Oil)</b>	Dedicated Acreage: <b>40</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.

*Larry A. Nermyr*

Name

Larry A. Nermyr

Position

Engineer

Company

Doyle Hartman

Date

July 10, 1984

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

Registered Professional Engineer and/or Land Surveyor

Certificate No.



STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

TONY ANAYA  
GOVERNOR

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

August 29, 1984

Doyle Hartman  
Oil Operator  
P.O. Box 10426  
Midland, Texas 79702

Attention: Michelle Hembree

Administrative Order DD-1

Gentlemen:

Under the provisions of Rule 111 (c) & (d), Doyle Hartman made application to the New Mexico Oil Conservation Division on July 16, 1984, for permission to directionally drill and complete for production the B.M. Justis Well No. 12.

The Division Director finds:

(1) That application has been duly filed under the provisions of Rule 111(d) of the Division Rules and Regulations;

(2) That satisfactory information has been provided that all offset operators have been duly notified;

(3) That the applicant, Doyle Hartman, is the owner and operator of the B. M. Justis Well No. 12, the non-standard surface location of which is 1450 feet from the North line and 120 feet from the West line of Section 20, Township 25 South, Range 37 East, Jalmat Oil Pool, Lea County, New Mexico.

(4) That the applicant seeks to directionally drill said well by kicking off from the vertical at a depth of approximately 600 feet and drilling in such a manner as to penetrate the Yates formation within 50 feet of a standard location point 938 feet from the North line and 383 feet from the East line of said Section 19.

SEP 4 1984

(5) That the NE/4 NE/4 of said Section 19 should be dedicated to the well.

(6) That the applicant should be required to determine the subsurface location of the bottom of the hole by means of a continuous multi-shot directional survey conducted subsequent to said directional drilling, if said well is to be completed as a producing well.

IT IS THEREFORE ORDERED:

(1) That the applicant, Doyle Hartman, is hereby authorized to directionally drill its B. M. Justis Well No. 12 from a non-standard surface location 1450 feet from the North line and 120 feet from the West line of Section 20, Township 25 South, Range 37 East, Jalmat Oil Pool, by kicking off from the vertical a depth of approximately 600 feet and drilling in such a manner as to penetrate the Yates formation within 50 feet of a standard location point 938 feet from the North line and 383 feet from the East line of said Section 19.

PROVIDED HOWEVER, that prior to the above-described directional drilling, the applicant shall establish the location of the kick-off point by conducting a continuous multi-shot directional survey of the well.

PROVIDED FURTHER, that subsequent to the above-described directional drilling, should said well be a producer, a continuous multi-shot directional survey shall be made of the wellbore from total depth to the kick-off point with shot points not more than 100 feet apart; that the operator shall cause the surveying company to forward a copy of the survey report directly to the Santa Fe office of the Division, P. O. Box 2088, Santa Fe, New Mexico 87501 and that the operator shall notify the Division's Hobbs District Office of the date and time said survey is to be commenced.

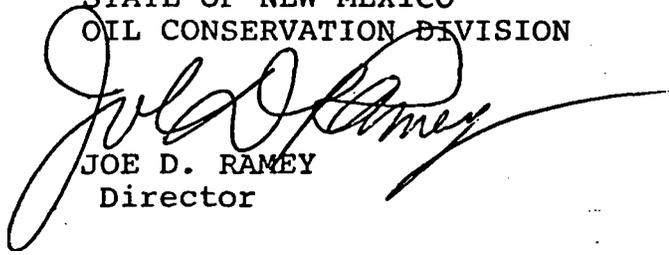
(2) That Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(3) That the NE/4 NE/4 of said Section 19 shall be dedicated to the subject well.

(4) 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 the day and year  
hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

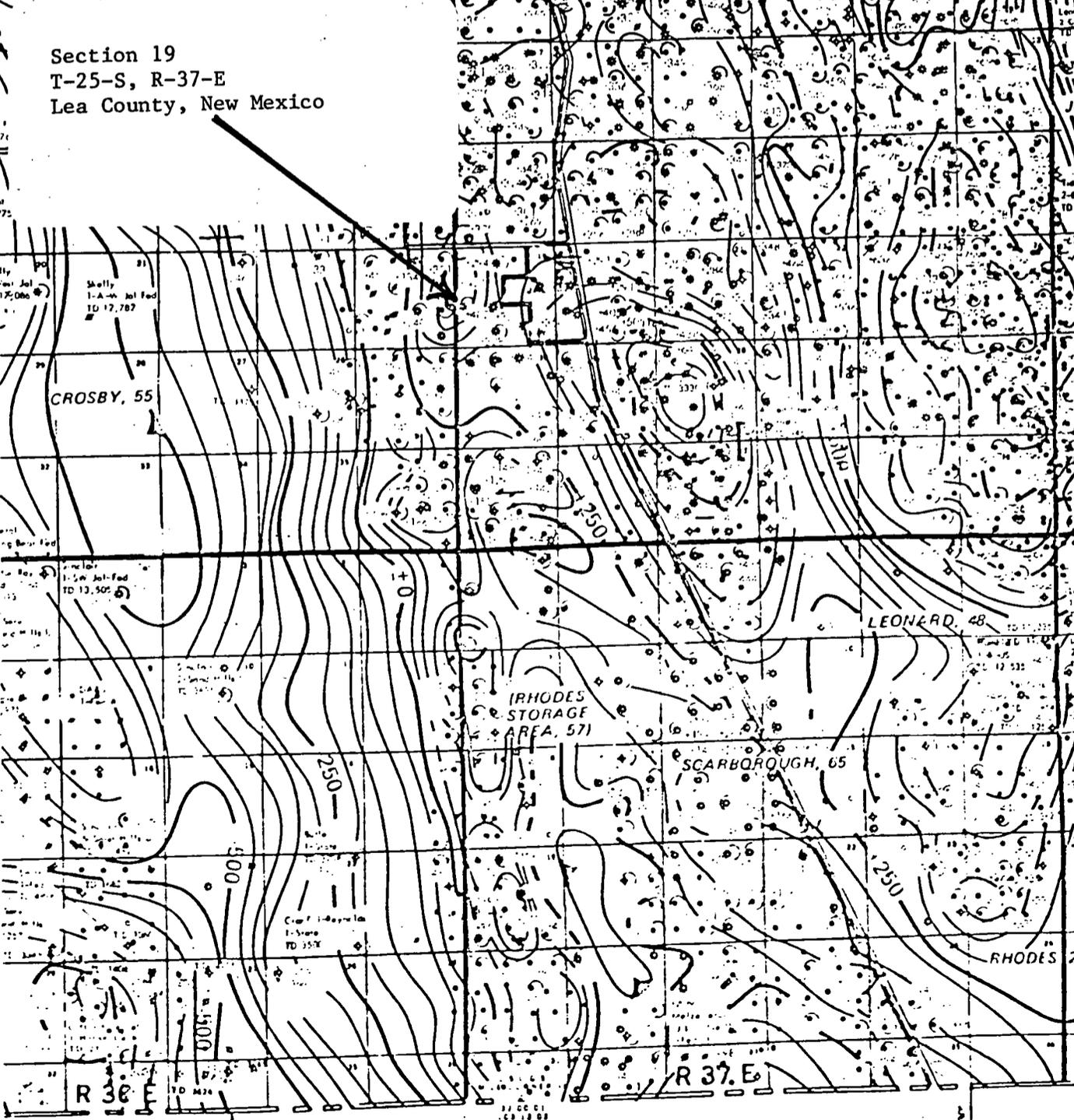
A large, stylized handwritten signature in black ink, appearing to read "Joe D. Ramey". The signature is written over the typed name and title.

JOE D. RAMEY  
Director

S E A L



Section 19  
T-25-S, R-37-E  
Lea County, New Mexico



COMPANY DOYLE HARTMAN

WELL B.M. JUSTIS No. 12

FIELD Jalmar (Oil)

LOCATION 1450 FNL & 120 FWL (E)  
SECTION 20, T-25-S, R-37-E  
(25-37-20-E)

COUNTY LEA

STATE NEW MEXICO

ELEVATIONS:

KB \_\_\_\_\_

DF \_\_\_\_\_

GL 3074

Doyle Hartman  
B.M. Justis No. 12  
E-20-25S-37E

COMPLETION RECORD

SPUD DATE 9-6-84 COMP. DATE 9-23-84

TD 3680 MD PBTD 3602 MD

CASING RECORD 9 5/8 @ 430 w/300  
7 @ 3679 w/850

PERFORATING RECORD Perf: 3382-3417 w/15  
(3266-3301)

STIMULATION A/4150

IP IPF = 4BOPD + 15 MCFPD + 12 BWPD

GOR 3750

GR \_\_\_\_\_

TP \_\_\_\_\_ CP 10

CHOKE 48/64 TUBING 2 3/8 @ 3536

REMARKS

(3418)

(142 x 64 x 10)

Completion  
3382-3417(MD)  
(3266-3301 TVD)

PBTD@ 3602(MD)

TD@ 3680(MD)

E-20-25S-37E

DMT12048  
DOYLE HARTMAN, OIL OPERATOR  
DMIGHTS ENERGY DATA SYSTEM RUN DATE 11/04/85 TIME 16:36:13

PAGE 1

LEASE NAME B H JUSTIS B LOCATION 19A259 37E DMIGHTS ID # 30225357E19A00YS FIELD - JALMAT TANSILL YATES SEVEN RIVERS YS PRORATION UNIT # - 15115

WELL 4  
OPER BETTIS BOYLE & STOWALL

CUMES DATES - LIQUID 0/69/12 CUMES - LIQUID 79149 LID GATHERER  
GAS 0/69/12 GAS 275063 GAS GATHERER

SELECTION  
FROM-TO  
70-85

PRODUCTION DATA

YR NR WELLS PROD	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	AVG
70 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	124	112	124	120	124	120	124	124	120	124	120	124	1460		122
OIL	20	143	90	110	149	92	87	120	41	116	50	144	1162	80311	97
WATER	10	71	45	55	111	69	65	90	30	85	37	105	773		64
GAS	1301	1548	1768	1804	1678	1755	1700	1516	1131	2630	735	691	18257	293320	1521
71 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	168	224	248	240	248	240	93	119	150	155	150	155	2190		183
OIL	104	124	65	86	93	86	99	124	90	80	51	46	1048	81359	87
WATER	76	91	47	60	65	60	69	87	54	40	25	23	697		58
GAS	645	723	745	689	787	755	1626	1625	1539	1460	1283	1159	13036	306356	1086
72 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	155	145	155	150	155	150	124	124	120	124	120	56	1578		132
OIL	12	109	139	122	110	102	103	39	29	0	0	18	783	82142	78
WATER	5	53	93	0	39	28	0	0	0	0	0	0	218		44
GAS	1055	1352	1522	1526	1525	1530	1527	1494	2257	1479	1596	1464	18327	324683	1527
73 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	124	112	124	120	124	120	124	124	150	155	150	155	1582		132
OIL	0	16	52	51	60	7	0	3	0	97	36	25	347	82489	39
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	1288	1115	1515	1359	1391	1286	1244	1226	1183	1286	1158	1288	15339	340022	1278
74 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	155	140	155	150	124	120	124	124	120	124	120	124	1580		132
OIL	72	56	32	34	0	0	0	0	0	75	35	24	328	82817	47
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	1323	1085	1258	1052	0	0	0	0	225	777	752	756	7228	347250	904
75 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	124	112	124	120	124	120	124	124	150	155	150	155	1582		132
OIL	0	0	0	0	0	166	70	101	84	63	80	16	580	83397	83
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	680	592	747	652	700	702	1281	1291	927	733	1029	1016	10350	357600	863

DMT12048

DOYLE HARTMAN, OIL OPERATOR  
DMIGHTS ENERGY DATA SYSTEM

RUN DATE 11/04/85 TIME 16:36:13

PAGE 2

LEASE NAME B M JUSTIS B LOCATION 19A25S 37E DMIGHTS ID # 30225S37E19A00YS FIELD - JALMAT TANSILL YATES SEVEN RIVERS YS PRORATION UNIT # - 15115  
WELL 4  
OPER BETTIS BOYLE & STOWALL

CUMES DATES - LIQUID 0/69/12 CUMES - LIQUID 79149 LIG GATHERER  
GAS 0/69/12 GAS 275063 GAS GATHERER

SELECTION  
FROM-TO  
70-85

PRODUCTION DATA

YR NR WELLS PROD	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	AVG
76 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	155	145	155	150	155	150	155	620	2400	2480	2400	2480	11445		954
OIL	106	67	0	49	111	57	222	443	925	1151	1709	1795	6635	90032	603
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	1375	1307	1230	1347	1228	1075	525	430	27	1369	1488	1479	12880	370480	1073
77 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	2480	2240	2480	2400	2480	2400	2480	2480	1950	2015	1950	2015	27370		2281
OIL	0	1222	1491	1146	1894	1444	1624	1248	1088	1780	1479	1432	15848	105880	1441
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	1363	1062	1149	1127	1245	1279	1288	676	536	437	980	715	11857	382337	988
78 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	1266	1105	1342	1293	1296	1054	1259	1018	1155	1300	497	1067	13652	119532	1138
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	601	639	835	1030	935	918	1058	880	3646	1180	934	1167	13823	396160	1152
79 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	1050	889	1231	912	1039	995	528	774	648	1001	1001	844	10912	130444	909
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	1153	1112	1557	1151	1337	1404	966	904	1153	1402	1288	1234	14663	410823	1222
80 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	1041	824	900	950	934	803	829	900	743	960	726	985	10595	141039	883
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	1245	0	0	0	0	0	0	0	0	0	0	0	1245	412068	1245
81 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	1038	759	1008	726	886	908	874	811	819	826	806	998	10459	151498	872
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	0	0	0	0	0	0	0	0	0	0	879	937	1816	413884	908

DMT12048  
DOYLE HARTMAN, OIL OPERATOR  
DMIGHTS ENERGYDATA SYSTEM RUN DATE 11/04/85 TIME 16:36:13

PAGE 3

LEASE NAME B H JUSTIS B LOCATION 19A258 37E DMIGHTS ID # 3022SS37E19A00YS FIELD - JALMAT TANSILL YATES SEVEN RIVERS YS PRORATION UNIT # - 15115  
WELL 4  
OPER BETTIS BOYLE & STOVALL

CUME DATES - LIQUID 0/69/12 CUMES - LIQUID 79149 LIQ GATHERER  
GAS 0/69/12 GAS 275063 GAS GATHERER

SELECTION  
FROM-TO  
70-85

PRODUCTION DATA

YR NR WELLS PROD	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	AVG
82 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	804	772	817	733	771	738	598	789	711	834	797	772	9136	160634	761
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	941	866	1010	895	402	575	916	967	933	950	909	922	10286	424170	857
83 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	28	28	31	30	31	30	31	28	25	31	30	31	354		30
OIL	658	758	801	758	776	729	723	718	667	1033	814	872	9307	169941	776
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	850	917	1085	932	990	932	956	986	765	956	894	819	11082	435252	924
84 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	0	1	1	1	1	1	1			
DAYS	30	21	31	30	31	0	0	0	0	31	30	31	235		29
OIL	832	577	840	936	827	0	1107	792	592	512	655	718	8388	178329	763
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	1236	1317	1864	1916	1467	0	1252	1046	460	329	477	478	11842	447094	1077
85 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	31	28	31	30	31	30	0	0	0	0	0	0	181		30
OIL	617	496	596	675	638	400	0	0	0	0	0	0	3422	181751	570
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	462	411	445	450	0	281	0	0	0	0	0	0	2049	449143	410

COMPANY Bettis, Boyle, & Stovall

WELL B. M. Justis "B" No. 4

FIELD Jalmat

LOCATION 255 FNL & 925 FEL (A)  
Section 19, T-25-S, R-37-E  
(25-37-19-A)

COUNTY Lea

STATE New Mexico

ELEVATIONS: KB 3098

DF \_\_\_\_\_

GL \_\_\_\_\_

COMPLETION RECORD

SPUD DATE 3-13-53 COMP. DATE 4-7-53

TD 3380 PBD \_\_\_\_\_

CASING RECORD 10 3/4 @ 288 w/125  
7 @ 3280 w/300

PERFORATING RECORD OH: 3280-3380

STIMULATION Hydrofrac/1500

IP IPF/11 BOPH

GOR \_\_\_\_\_ GR \_\_\_\_\_

TP \_\_\_\_\_ CP \_\_\_\_\_

CHOKE 10/64 TUBING 2 3/8 @ 337

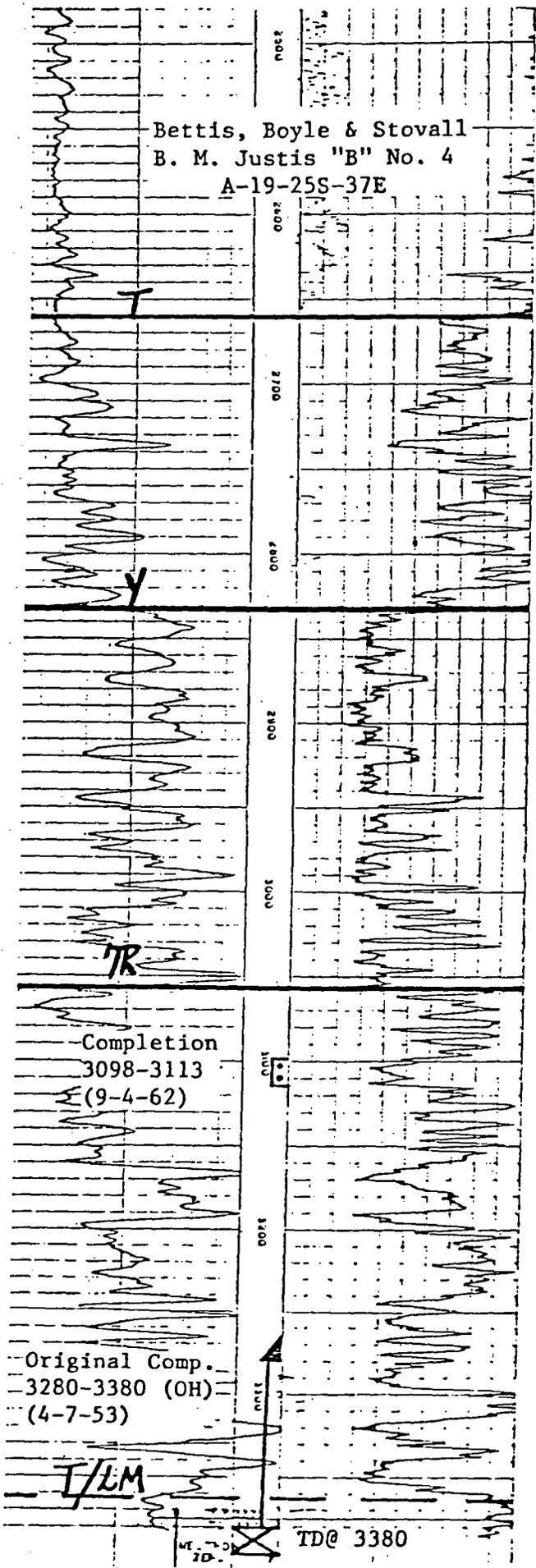
REMARKS 5-13-57: F/20,000 + 30,000  
(3280-3380)

9-4-62: BP @ 3125. Perf 3098-  
3113. F/25,000 + 28,800.

Retrieved BP. F/25 BOPD + 150 MCFPD.

6-83 Cum Prod: 165 MBO

1983 Avg Prod: 25 BOPD + 31 MCFPD



A-19-25S-37E

DATE Oct. 11 19 76

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer Bettis-Boyle & Stovall (0642)

Well Name and Number B. M. Justis B #4

Location 225'N, 925'E, Sec. 19, T-25-R-37, Lea Co., NM

Pool Name Jalmat

Producing Formation Jalmat

Top of Gas Pay 3126'

Oil or Gas Well Oil

Gas Unit Allocation None

Date Tied Into Gathering Systems September 7, 1976 (Reconnect)

Date of First Delivery October 1, 1976

Gas Gathering System Lea Co. Low Pressure System

Processed through Gasoline Plant (yes or no) Yes

Station Number 63-410-01

Remarks: Well not produced when tied in due to awaiting operator to install equipment.

By: Morris R. Elliott Dispatching

NOV 5 1976

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

NO. OF COPIES RECEIVED		
DISTRIBUTION		
NTA FE		
LE		
S.G.S.		
ND OFFICE		
ERATOR		

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL  GAS WELL  OTHER

Name of Operator: **Bettis, Boyle and Stovall**

Address of Operator: **Box 1168 Graham, Texas 76046**

Location of Well: UNIT LETTER **A** **925** FEET FROM THE **East** LINE AND **255** FEET FROM THE **North** LINE, SECTION **19** TOWNSHIP **25S** RANGE **37E** NMPM.

15. Elevation (Show whether DF, RT, GR, etc.) **R.T. 3098**

7. Unit Agreement Name

8. Farm or Lease Name **B.M. Justice**

9. Well No. **4**

10. Field and Pool, or Wildcat **Jalmat Yates Seven Rivers Tansil**

12. County **Lea**

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK  PLUG AND ABANDON  REMEDIAL WORK  ALTERING CASING

TEMPORARILY ABANDON  CHANGE PLANS  COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT

DILL OR ALTER CASING  OTHER  CASING TEST AND CEMENT JOB

OTHER \_\_\_\_\_

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

9-3-76 Pulled rods and pump. Pumped in 50 bbls of oil with 250 gallons of chemical. Put well back on pump.

9-6-76 Recovered load oil and well is making 80 BOPD.

RECEIVED JUL 21 1981

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

Signed *Jerry Sexton* TITLE Petroleum Engineer DATE 9-15-76

Approved by Jerry Sexton TITLE Dist 1, Supv. DATE SEP 20 1976

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

**NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104  
Supersedes Old C-104 and C-1  
Effective 1-1-65

I. Operator  
**Bettis, Boyle & Stovall**

Address  
**Box 1168 Graham, Texas 76046**

Reason(s) for filing (Check proper box) Other (Please explain)  
 New Well  Change in Transporter of:  
 Recompletion  Oil  Dry Gas   
 Change in Ownership  Casinghead Gas  Condensate  **Effective 10-1-70**

If change of ownership give name and address of previous owner **Tenneco Oil Company Bx 1031 Midland, Texas**

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name <b>R. M. Justice B</b>	Well No. <b>4</b>	Pool Name, including Formation <b>Jalnet Yates SR. Tansill</b>	Kind of Lease State, Federal or Fee <b>Fee</b>	Lease No.
Location Unit Letter <b>A</b> ; <b>255</b> Feet From The <b>North</b> Line and <b>925</b> Feet From The <b>East</b>				
Line of Section <b>19</b>	Township <b>25S</b>	Range <b>37E</b>	NMPM, <b>Len</b>	County

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>Shell Pipe Line Company</b>	<b>Box 1910 Midland, Texas</b>
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>El Paso Natural Gas Company</b>	<b>Box 1384 Jal. New Mexico</b>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
<b>A 19 25S 37E</b>	<b>yes unknown</b>

If this production is commingled with that from any other lease or pool, give commingling order number:

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							

**TUBING, CASING, AND CEMENTING RECORD**

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

**V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

**GAS WELL**

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

**VI. CERTIFICATE OF COMPLIANCE**

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*[Signature]*  
**E. M. Bettis**  
(Signature)

**Box Agent**  
(Title)

**October 28, 1970**  
(Date)

**OIL CONSERVATION COMMISSION**

APPROVED NOV 10 1970, 19  
BY *[Signature]*  
TITLE

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multiple.

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TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

**NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104  
Supersedes Old C-104 and C-  
Effective 1-1-65

**OCT 20 1 03 PM '65**

Operator **Tenneco Oil Company**

Address **Box 1031, Midland, Texas**

Reason(s) for filing (Check proper box) Other (Please explain)

New Well <input type="checkbox"/>	Change in Transporter of:	Change name of lease from B.M. Justis
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	

If change of ownership give name and address of previous owner \_\_\_\_\_

**DESCRIPTION OF WELL AND LEASE**

Lease Name <b>B.M. Justis B</b>	Well No. <b>4</b>	Pool Name, including Formation <b>Jalpat, Y. Sr. Tans</b>	Kind of Lease State, Federal or Fee <b>Fee</b>
Location			
Unit Letter <b>A</b>	<b>255</b> Feet From The <b>north</b> Line and <b>925</b> Feet From The <b>east</b>		
Line of Section <b>19</b>	Township <b>25-S</b>	Range <b>37-E</b>	NMPM, <b>Lea</b> County

**DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>Shell Pipe Line Company</b>	<b>Box 1910, Midland, Texas</b>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>El Paso Natural Gas Company</b>	<b>Box 1384, Jal, New Mexico</b>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<b>A 19 25-S 37-E yes 8-1953</b>

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							

**TUBING, CASING, AND CEMENTING RECORD**

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

**TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

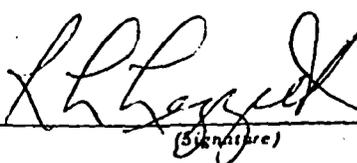
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

**GAS WELL**

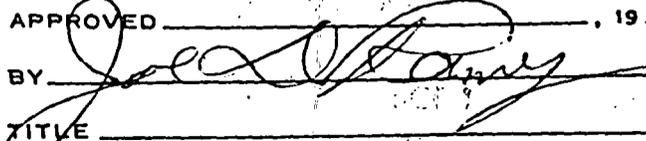
Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

**I. CERTIFICATE OF COMPLIANCE**

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

  
**R.L. Leggett**  
(Signature)  
**District Office Supervisor**  
(Title)  
**October 18, 1965**  
(Date)

**OIL CONSERVATION COMMISSION**

APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY   
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out Sections I, II, III, and VI only for changes of owner well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiple completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-1  
Effective 1-1-65

OCT 11 10 25 AM '65

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	GAS
OPERATOR	
PRODUCTION OFFICE	

Operator  
**Tenneco Oil Company**

Address  
**P.O. Box 1031, Midland, Texas**

Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of <input type="checkbox"/>	Effective 10-1-65	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>		
Change in Ownership <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>		

If change of ownership give name and address of previous owner **Leonard Oil Company, 10th Floor Security Life Bldg., Roswell, New Mexico**

**DESCRIPTION OF WELL AND LEASE**

Lease Name <b>B. M. Justis</b>	Well No. <b>4</b>	Pool Name, including Formation <b>Jalnet, Y. SR. Tans.</b>	Kind of Lease State, Federal or Fee <b>Fee</b>
Location Unit Letter <b>A</b> ; <b>255</b> Feet From The <b>North</b> Line and <b>925</b> Feet From The <b>East</b>			
Line of Section <b>19</b> , Township <b>25-S</b> Range <b>37-E</b> , N.M.P.M., <b>Lea</b> County			

**DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>Shell Pipe Line Company</b>	<b>Box 1910 Midland, Texas</b>
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<b>El Paso Natural Gas Company</b>	<b>Box 1384, Jal, New Mexico</b>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
<b>A</b>	<b>19 25S 37E yes 8-1953</b>

If this production is commingled with that from any other lease or pool, give commingling order number:

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
<input checked="" type="checkbox"/>								
Date Spudded	Date Compl. Ready to Prod.	Total Depth		P.B.T.D.				
Pool	Name of Producing Formation	Top Oil/Gas Pay		Tubing Depth				
Perforations			Depth Casing Shoe					

**TUBING, CASING, AND CEMENTING RECORD**

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

**TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

**GAS WELL**

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

**CERTIFICATE OF COMPLIANCE**

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

  
**R. L. Leggett**  
District Office Supervisor

**October 1, 1965**  
(Date)

**OIL CONSERVATION COMMISSION**

APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY \_\_\_\_\_  
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS  
(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY LEONARD OIL COMPANY - Box 400 - Roswell, New Mexico  
(Address)

LEASE B. M. Justis WELL NO. 4 UNIT A S 19 T 25S R 37E

DATE WORK PERFORMED Sept. 4, 1962 POOL Jalpat

This is a Report of: (Check appropriate block)

Results of Test of Casing Shut-off

Beginning Drilling Operations  Remedial Work

Plugging  Other \_\_\_\_\_

Detailed account of work done, nature and quantity of materials used and results obtained.

Sept. 4-7, 1962 - Pulled rods & tubing. Ran Perforating Depth Control log. Perforated 3098-3113'. Set retrievable bridge plug @ 3125'. Treated w/ 25,000 gals. refined oil & 28,800# sand. Treating pressures were 2,000-2,200# @ 40 barrels per minute. Retrieved bridge plug. Ran Tubing, rods & pump, and commenced pumping from open hole section 3280-3380' and from perfs. 3098-3113'.

Sept. 7 - Oct. 1, 1962 - Recovering load oil by pumping.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3098' TD 3380' PBD -- Prod. Int. 3280-3380' Compl Date 4/7/53

Tbng. Dia 2-3/8" Tbng Depth 3373' Oil String Dia 7" Oil String Depth 3280'

Perf Interval (s) 3098-3113'

Open Hole Interval 3280-3380' Producing Formation (s) Seven Rivers

RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	<u>Sept. 1, 1962</u>	<u>Oct. 2, 1962</u>
Oil Production, bbls. per day	<u>8</u>	<u>25</u>
Gas Production, Mcf per day	<u>20</u>	<u>150</u>
Water Production, bbls. per day	<u>Tr.</u>	<u>Tr.</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>2,500</u>	<u>6,000</u>
Gas Well Potential, Mcf per day		

Witnessed by Fowler Hix Leonard Oil Company  
(Company)

OIL CONSERVATION COMMISSION

Name \_\_\_\_\_  
Title \_\_\_\_\_  
Date \_\_\_\_\_

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

Name Fowler Hix  
Position General Manager  
Company Leonard Oil Company

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER) Perf. & Frac	X

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

March 9, 1961  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the.....

LEONARD OIL COMPANY (Company or Operator) B.M. JUSTIS Lease Well No. 4 in A (Unit)  
 NE ¼ NE ¼ of Sec. 19, T. 25S, R. 37E NMPM, Jalmat Pool  
 Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Well is now producing from open hole in interval 3280-3380.  
Propose to:

- Pull rods & tubing.
- Perf: 3100-3114; 3163-73; 3189-96; 3242-47; 3250-60; 3264-69.
- Set BP @ 3275.
- Sand frac the above perfs.

MAR 20 1961

Approved....., 19.....  
Except as follows:

LEONARD OIL COMPANY  
Company or Operator

By: *Stanley Hill*

Position: General Manager  
Send Communications regarding well to:

Approved  
OIL CONSERVATION COMMISSION

By: *[Signature]*

Name: LEONARD OIL COMPANY

Title: *[Signature]*

Address: P.O. BOX 708, ROSWELL, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

HOBBS OFFICE OCC

MISCELLANEOUS NOTICES

1957 MAR 14 AM 10:47

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER) To Frac	X

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico,  
(Place)

March 12, 1957  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the.....

LEONARD OIL COMPANY (Company or Operator) B. M. Justis Well No. 4 in A (Unit)  
 NR 1/4 NE 1/4 of Sec. 19, T. 25S, R. 37E, NMPM, Langlie-Mattix Pool  
 (40-acre Subdivision) Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Propose to pull tubing, remove packer, re-run tubing and frac with 10,000 gallons sand oil (Halliburton) open hole zone from 3280-3380'.

Well now producing approximately 4 BOPD.

MAR 15 1957

Approved....., 19.....  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION

By.....  
F. J. FISCHER ENGINEER  
Title.....

LEONARD OIL COMPANY  
Company or Operator  
By: Patrick J. Leonard  
Position: Patrick J. Leonard, Vice-President  
Send Communications regarding well to:

LEONARD OIL COMPANY  
Name.....  
Address: Box 708, Roswell, New Mexico

DUPLICATE

HOBBS OFFICE OGC  
1957

Form C-103  
(Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY LEONARD OIL COMPANY - Box 703 - Roswell, New Mexico  
(Address)

LEASE B. M. JUSTIS WELL NO. 4 UNIT A S 20 T 25 S R 37 E  
DATE WORK PERFORMED 4/12/57 - 5/13/57 POOL Langlie-Mattix

This is a Report of: (Check appropriate block)  Results of Test of Casing Shut-off  
 Beginning Drilling Operations  Remedial Work  
 Plugging  Other

Detailed account of work done, nature and quantity of materials used and results obtained.

4/13/57 - Treated well with 20,000 gals. frac oil and 30,000# sd.  
4/14-21/57 - Swabbed and tst well - Partial recovery of load oil.  
4/21-5/11/57 - Installed pump, waited on electricity and recovered remaining load oil.  
5/12/57 - Well tst this date.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3076' TD 3380' PBD None Prod. Int. 3280-3380' Compl Date 4/7/53  
Tbng. Dia 2-3/8" Tbng Depth 3373' Oil String Dia 7" Oil String Depth 3280'  
Perf Interval (s) \_\_\_\_\_  
Open Hole Interval 3280-3330' Producing Formation (s) Seven Rivers

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	<u>4/12/57</u>	<u>5/12/57</u>
Oil Production, bbls. per day	<u>3</u>	<u>50</u>
Gas Production, Mcf per day	<u>TST</u>	<u>68,560</u>
Water Production, bbls. per day	<u>0</u>	<u>Trace</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>TST</u>	<u>1372-1</u>
Gas Well Potential, Mcf per day		

Witnessed by \_\_\_\_\_ LEONARD OIL COMPANY  
(Company)

OIL CONSERVATION COMMISSION

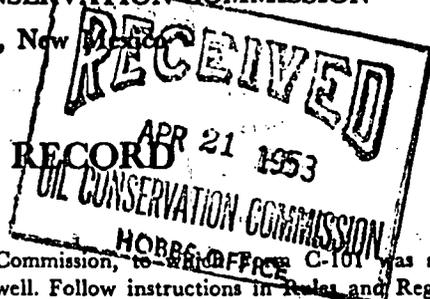
I hereby certify that the information given above is true and complete to the best of my knowledge.

Name E. Fischer  
Title Engineer District 1  
Date \_\_\_\_\_

Name \_\_\_\_\_  
Position President  
Company Leonard Oil Company

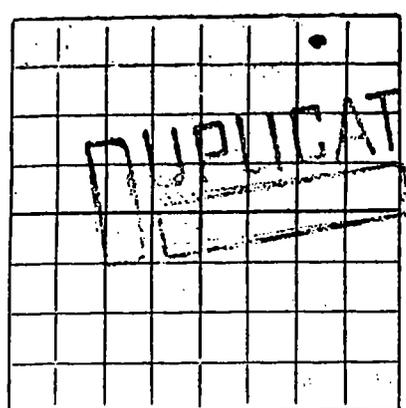
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



WELL RECORD

Mail to District Office, Oil Conservation Commission, Hobbs Office, C-101, as sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.



AREA 640 ACRES  
LOCATE WELL CORRECTLY  
**LEONARD OIL COMPANY**

**D. M. Justice**

(Company or Operator)

(Lease)

Well No. **4** in **NE** 1/4 of **NE** 1/4, of Sec. **19**, T. **25**, R. **37E**, NMPM.

**Langlie-Harris**

**Lee**

Pool,

County.

Well is **925** feet from **East** line and **255** feet from **North** line

of Section. If State Land the Oil and Gas Lease No. is

Drilling Commenced **March 13, 53**, 19 **53** Drilling was Completed **April 7, 53**, 19 **53**

Name of Drilling Contractor **ROGERS, INC.**

Address **Box 1718, Hobbs, New Mexico**

Elevation above sea level at Top of Tubing Head **3098'**

The information given is to be kept confidential until

19

OIL SANDS OR ZONES

No. 1, from <b>3286</b> to <b>3296</b> <b>Gas</b>	No. 4, from _____ to _____
No. 2, from <b>3316</b> to <b>3330</b> <b>Oil</b>	No. 5, from _____ to _____
No. 3, from <b>3338</b> to <b>3360</b> <b>Oil</b>	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10-3/4"	32	Used	283				Surface String
7"	20	New	3280	Formation	Packer Shoe		Prod. String
2-3/8"	4.7	New	3373				Tubing

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	10-3/4"	288'	225	Circulated		
	7"	3280'	300	Two-stage Halliburton		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

**Treated section from 3280' to 3360' with 1500 gallons Gel by Halliburton.**

Result of Production Stimulation **Increase in oil to 15 BOPH from a very small show of oil.**

Depth Cleaned Out **3360'**

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 3380 - TD feet, and from ..... feet to ..... feet.  
 Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet.

PRODUCTION

Put to Producing April 7, 1953

OIL WELL: The production during the first 24 hours was 360 barrels of liquid of which 100% was oil; .....% was emulsion; .....% water; and .....% was sediment. A.P.I. Gravity.....

GAS WELL: The production during the first 24 hours was ..... M.C.F. plus ..... barrels of liquid Hydrocarbon. Shut in Pressure.....lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy..... 1040	T. Devonian.....	T. Ojo Alamo.....	
T. Salt..... 1503	T. Silurian.....	T. Kirtland-Fruitland.....	
B. Salt..... 2522	T. Montoya.....	T. Farmington.....	
T. Yates..... 2335	T. Simpson.....	T. Pictured Cliffs.....	
T. 7 Rivers.....	T. McKee.....	T. Menefee.....	
T. Queen..... 3242	T. Ellenburger.....	T. Point Lookout.....	
T. Grayburg.....	T. Gr. Wash.....	T. Mancos.....	
T. San Andres.....	T. Granite.....	T. Dakota.....	
T. Glorieta.....	T. ....	T. Morrison.....	
T. Drinkard.....	T. ....	T. Penn.....	
T. Tubbs.....	T. ....	T. ....	
T. Abo.....	T. ....	T. ....	
T. Penn.....	T. ....	T. ....	
T. Miss.....	T. ....	T. ....	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	30	30	Caliche				
30	40	10	Flint				
40	94	54	Sand and Clay				
94	199	105	Red Bed & Anhydrite				
199	284	85	Sand & Red Rock				
284	380	96	Red Bed & Sand				
380	513	133	Sand, Red Rock & Shale				
513	921	408	Red Bed & Shells				
921	1042	121	Red Bed				
1042	1215	173	Anhydrite				
1215	1285	70	Salt				
1285	1505	220	Salt & Anhydrite				
1505	1515	10	Salt				
1515	2522	1007	Salt & Anhydrite				
2522	2679	157	Anhydrite, Gypson & Salt				
2679	2705	26	Anhydrite				
2705	3063	358	Lime				
3063	3079	16	Lime & Dolomite				
3079	3114	35	Lime				
3114	3140	26	Lime & Gypsum				
3140	3380	240	Lime - T.D.				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

April 20, 1953

LEONARD OIL COMPANY  
 Company or Operator.....  
 Name..... Robert J. Leonard

Address..... Box 703, Roswell, N. M.  
 Position or Title..... President.

**TRIMMING**

MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

REQUEST FOR (OIL) - (~~GAS~~) ALLOWABLE

**RECEIVED**  
New Well  
Recompletion  
APR 14 1953

This form shall be submitted by the operator before an initial allowable will be assigned to any completed or Gas well. Form C-104 is to be submitted in QUADRUPPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

ROSWELL, NEW MEXICO

April 13, 1953

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

LEONARD OIL COMPANY

B. M. Justis

Well No. 4

in NE 1/4 NE 1/4

(Company or Operator)

(Lease)

A

Sec. 19

T. 25S

R. 37E

NMPM.

Langlie-Mattix

Pool

(Unit)

Lea

County. Date Spudded. 3-13-53

Date Completed. 4-7-53

Please indicate location:

			*

Elevation. 3098 Total Depth. 3380 P.B.

Top oil/gas pay. 3230 Top of Prod. Form. 3286

Casing Perforations: None or

Depth to Casing shoe of Prod. String. 3230

Natural Prod. Test. 24 BOPD

based on 4 bbls. Oil in 4 Hrs. -- Mins.

Test after acid or shot. **Hydrafrac** 11 BOPD BOPD

Based on 11 bbls. Oil in 1 Hrs. Mins.

Gas Well Potential.

Size choke in inches. 10/64

Date first oil run to tanks or gas to Transmission system: 4-7-53

Transporter taking Oil or Gas: SHELL PIPE LINE COMPANY

Casing and Cementing Record

Size Feet Sax

10-3/4"	288'	125
7"	3280	300
2-3/8"	3373	0

Remarks:

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

Approved....., 19.....

LEONARD OIL COMPANY

(Company or Operator)

OIL CONSERVATION COMMISSION

By: *Robert J. Leonard*  
Robert J. Leonard (Signature)  
President

By: *S. J. Stanley*  
Title: Engineer

Title: Send Communications regarding well to:

Name: LEONARD OIL COMPANY

Address: Box 703, Roswell, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

APR 13 1953

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other) <b>Hydro-Frac</b>	<b>X</b>

April 10, 1953  
(Date)

Roswell, New Mexico  
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Leonard Oil Company

(Company or Operator)

B. M. Justis

(Lease)

Rogers, Inc.

(Contractor)

Well No. 4 in the NE 1/4 NE 1/4 of Sec. 19

T. 25S, R. 37E, NMPM, Langlie-Mattix Pool, Lea County.

The Dates of this work were as follows: April 5, 6, 1953

Notice of intention to do the work (was) ~~not~~ submitted on Form C-102 on April 4, 1953, 19

(Cross out incorrect words)

and approval of the proposed plan ~~was~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

April 5, 1953: Cleaned hole with 500 gal. mud clean out agent, swabbed hole dry. Small show of oil and gas.

April 6, 1953: Treated section from 3280 to 3380 with 1500 gal gel by Halliburton increase in oil to 15 BOPH on a 10/64 choke- 1 hour test- estimated 150,000 CFGPD.

Witnessed by \_\_\_\_\_ (Name) \_\_\_\_\_ (Company) \_\_\_\_\_ (Title)

Approved: OIL CONSERVATION COMMISSION

*Roy Yankrough*  
(Name) APR 13 1953  
(Title) (Date)

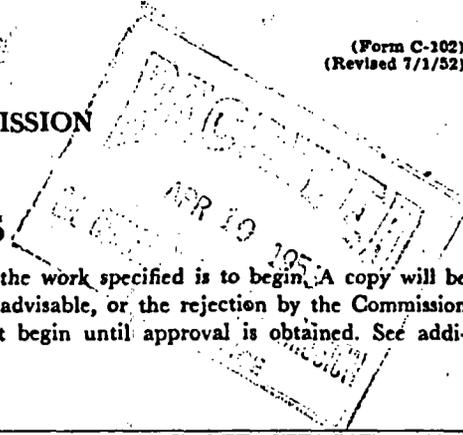
I hereby certify that the information given above is true and complete to the best of my knowledge.

*Robert A. Leonard*  
Name: Robert A. Leonard - President  
Position: \_\_\_\_\_  
Representing: Leonard Oil Company  
Address: P. O. Box 708, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES



Submit this notice in TRIPPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER) TO HYDRO-FRAC	X	NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

April 4, 1953  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the LEONARD OIL COMPANY

(Company or Operator) Well No. 4 in (Unit)  
NE 1/4 NE 1/4 of Sec. 19, T. 25S, R. 37E, NMPM, Langlie-Mattix Pool  
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

April 5, 1953 - Propose to use 500 gallons mud clean-out agent; swab well dry and treat with 1500 gallons Hydro-frac; work to be done by Halliburton.

Approved \_\_\_\_\_, 19\_\_\_\_  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION  
By Roy Yunkerhough  
Title \_\_\_\_\_

LEONARD OIL COMPANY  
Company or Operator  
By Robert J. Leonard  
Position President  
Send Communications regarding well to:  
Name LEONARD OIL COMPANY  
Address Box 708, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in **TRIPPLICATE** to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

April 6, 1953  
(Date)

Roswell, New Mexico  
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

**LEONARD OIL COMPANY**

**B. M. Justis**  
(Lease)

(Company or Operator)

**ROGERS, INC.**

Well No. **4** in the **NE 1/4** **NE 1/4** of Sec. **19**

(Contractor)

T. **25S**, R. **37E**, NMPM., **Langlie-Mattix** Pool, **Lea** County.

**April 3rd-5th, 1953.**

The Dates of this work were as follows:

Notice of intention to do the work (was) (was not) submitted on Form C-102 on **April 1,** 19**53.**  
(Cross out incorrect words)

and approval of the proposed plan (was) (was not) obtained.

**DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED**

- 4-3-53 - Set 3280' of 7", 20#, Casing; used 150 sacks of cement at 3280'; Set two-stage tool @ 1109' and used 150 sacks of cement. Work done by Halliburton; allowed cement to set 48 hours.
- 4-5-53 - After leaving cement set for 48 hours, 7" casing was tested with 1500# pressure for 30 minutes; no drop in pressure. Drilled plug and tested again for 30 minutes; no drop in pressure. Test considered satisfactory.

Witnessed by..... (Name) (Company) (Title)

Approved: **OIL CONSERVATION COMMISSION**

*Ray Yankrough*  
(Name)  
(Date)

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

*Robert J. Leonard*  
Name: **Robert J. Leonard, President**  
Position: **LEONARD OIL COMPANY**  
Representing: **Box 708, Roswell, N. M.**  
Address:

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
APR 1 1953  
OIL CONSERVATION COMMISSION

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION TO (OTHER) RUN CASING	X

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

April 1, 1953  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the B. M. Justis

LEONARD OIL COMPANY

(Company or Operator)

Well No. 4 in A (Unit)

NE 1/4 NE 1/4 of Sec. 19, T. 25S, R. 37E, NMPM, Langlie-Mattix Pool

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

April 2, 1953 - Propose to run 3280' of 7", 20#, new casing and circulate to surface with 500 sacks of cement.

Approved APR 1 1953, 1953  
Except as follows:

LEONARD OIL COMPANY  
(Company or Operator)

By Robert J. Leonard

Position President

Send Communications regarding well to:

Approved  
OIL CONSERVATION COMMISSION

By Roy Zerhovich

Title \_\_\_\_\_

Name LEONARD OIL COMPANY

Address Box 708, Roswell, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS 18 1953

Submit this report in TRIPPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	<input checked="" type="checkbox"/>	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

March 17, 1953  
(Date)

Roswell, New Mexico  
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

LEONARD OIL COMPANY

(Company or Operator)

B. M. Justis,

(Lease)

Rogers, Inc.

(Contractor)

Well No. 4 in the NE 1/4 NE 1/4 of Sec. 19

T. 25S, R. 37E, NMPM, Langlie-Mattix Pool, Lea County.

The Dates of this work were as follows: 3-15-53 and 3-16-53

Notice of intention to do the work (was ~~not~~ submitted on Form C-102 on March 14, 1953,  
(Cross out incorrect words)

and approval of the proposed plan ~~was~~ (was not) obtained. to date.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

3-15-53: Set 288' of 10-3/4", 32#, casing; circulated with 125 sacks of cement (work done by Halliburton) - allowed cement to set 24 hours.

3-16-53: 9:00 P.M. - Tested for 30 minutes with 1000# pressure, no change; Drilled plug to depth of 293' and tested for 30 minutes with 500# pressure, no change. Cement job considered satisfactory.

Witnessed by \_\_\_\_\_ LEONARD OIL COMPANY \_\_\_\_\_  
(Name) (Company) (Title)

Approved: OIL CONSERVATION COMMISSION

Roy Yarrrough  
(Name)  
(Title)

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

Name: Lawrence L. Nelson  
Position: Secretary-Treasurer  
Representing: LEONARD OIL COMPANY  
Address: Box 708, Roswell, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
MAR 16 1953  
OIL CONSERVATION COMMISSION

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER) <b>Set Surface Pipe</b>	<b>X</b>

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

March 14 1953  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the B. H. Justice

Leonard Oil Company Well No. 4 in A  
(Company or Operator) (Unit)

NE  $\frac{1}{4}$  NE  $\frac{1}{4}$  of Sec. 19, T. 25S, R. 37E, NMPM., Langlie-Hattix Pool

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

**March 14, 1953. Morning Propose to set approximately 300' of 10 3/4 32 casing and circulate to the surface.**

Approved MAR 16 1953, 19\_\_\_\_  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION  
By [Signature]  
Title \_\_\_\_\_

Leonard oil company  
Company or Operator  
By [Signature]  
Position President  
Send Communications regarding well to:

Name Leonard Oil Company  
Address P. O. Box 706, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
MAR 16 1953  
OIL CONSERVATION COMMISSION

DUPLICATE

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS	<input checked="" type="checkbox"/>	REPORT ON RESULT OF TEST OF CASING SHUT-OFF	<input type="checkbox"/>	REPORT ON REPAIRING WELL	<input type="checkbox"/>
REPORT ON RESULT OF PLUGGING WELL	<input type="checkbox"/>	REPORT ON RECOMPLETION OPERATION	<input type="checkbox"/>	REPORT ON (Other)	<input type="checkbox"/>

ROSWELL, NEW MEXICO March 13, 1953  
(Date) (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

LEONARD OIL COMPANY (Company or Operator) B. M. Justis (Lease)  
Rogers, Inc., Box 1718, Hobbs, N. M. (Contractor), Well No. 4 in the NE 1/4 SE 1/4 of Sec. 19  
T. 25S, R. 37E, NMPM, Langlie-Mattix Pool, Lea County.

The Dates of this work were as follows: Well spudded 3-13-53

Notice of intention to do the work (was) (was not) submitted on Form C-102 on \_\_\_\_\_, 19\_\_\_\_, and approval of the proposed plan (was) (was not) obtained.  
(Cross out incorrect words)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Witnessed by \_\_\_\_\_ (Name) \_\_\_\_\_ (Company) \_\_\_\_\_ (Title)

Approved: OIL CONSERVATION COMMISSION  
Roy Yankovich (Name)  
(Title)  
MAR 16 1953 (Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.  
Name: Robert Leonard  
Position: President  
Representing: LEONARD OIL COMPANY  
Address: Box 708, Roswell, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO DRILL DEEPER	<input type="checkbox"/>
NOTICE OF INTENTION TO PLUG WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG BACK	<input type="checkbox"/>	NOTICE OF INTENTION TO SET LINER	<input type="checkbox"/>
NOTICE OF INTENTION TO SQUEEZE	<input type="checkbox"/>	NOTICE OF INTENTION TO ACIDIZE	<input type="checkbox"/>	NOTICE OF INTENTION TO SHOOT (Nitro)	<input type="checkbox"/>
NOTICE OF INTENTION TO GUN PERFORATE	<input type="checkbox"/>	NOTICE OF INTENTION (OTHER)	<input type="checkbox"/>	NOTICE OF INTENTION (OTHER)	<input type="checkbox"/>

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

February 27, 1953  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the B. M. Justiz

Leonard Oil Company Well No. 4 in A  
(Company or Operator) (Unit)

NE 1/4 NE 1/4 of Sec. 19, T. 25 S., R. 37 E., NMPM., Langlo-Mattix Pool  
(40-acre Subdivision)

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Propose to use 10-3/4" 32# casing in place of the 9-5/8" 24#, and cement it to the surface. Balance of casing program to remain the same.

Approved [Signature], 1953  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION  
By [Signature]  
Title

LEONARD OIL COMPANY  
Company or Operator  
By [Signature]  
Position Secretary-Treasurer  
Send Communications regarding well to:  
Name Leonard Oil Company  
Address Box 703 - Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL ~~OR RECOMPLETE~~

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

ROSWELL, NEW MEXICO

February 20, 1953

(Place)

(Date)

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Order R-282

Gentlemen:

You are hereby notified that it is our intention to commence the (Drilling) (Recompletion) of a well to be known as  
**LEONARD OIL COMPANY**

(Company or Operator)

**B. M. Justis**

Well No. **4**

in **A**

The well is

located **925** feet from the **East** line and **235** feet from the

**North**

line of Section **19**, T. **25S**, R. **37E**, NMPM.  
**Langlie-Mattix**

(GIVE LOCATION FROM SECTION LINE)

Pool, **Lea**

County

If State Land the Oil and Gas Lease is No. \_\_\_\_\_

If patented land the owner is **B. M. Justis, et al**

Address \_\_\_\_\_

We propose to drill well with drilling equipment as follows:

**Rotary to total depth**

The status of plugging bond is **Blanket Bond**

D	C	B	A
E	F	G	H
L	K	I	J

This unorthodox location given verbal approval by Bill Macey 2-24-53

complete this well in the **Queen**

approximate depth of **3400'** feet.

PLUGGING PROGRAM

Size of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
12	9-5/8	24#	New	200'	100 BX
8-3/4	7"	20#	New	3300'	150 BX

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

FEB 21 1953

Approved 9-20, 1953  
Except as follows:

OIL CONSERVATION COMMISSION  
By Ray Gundersen  
Title & Gas Inspector

Sincerely yours,

**LEONARD OIL COMPANY**

(Company or Operator)

By Robert J. Leonard

**Robert J. Leonard**

Position **President**

Send Communications regarding well to

Name **LEONARD OIL COMPANY**

Box 708

Address **Roswell, New Mexico**

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

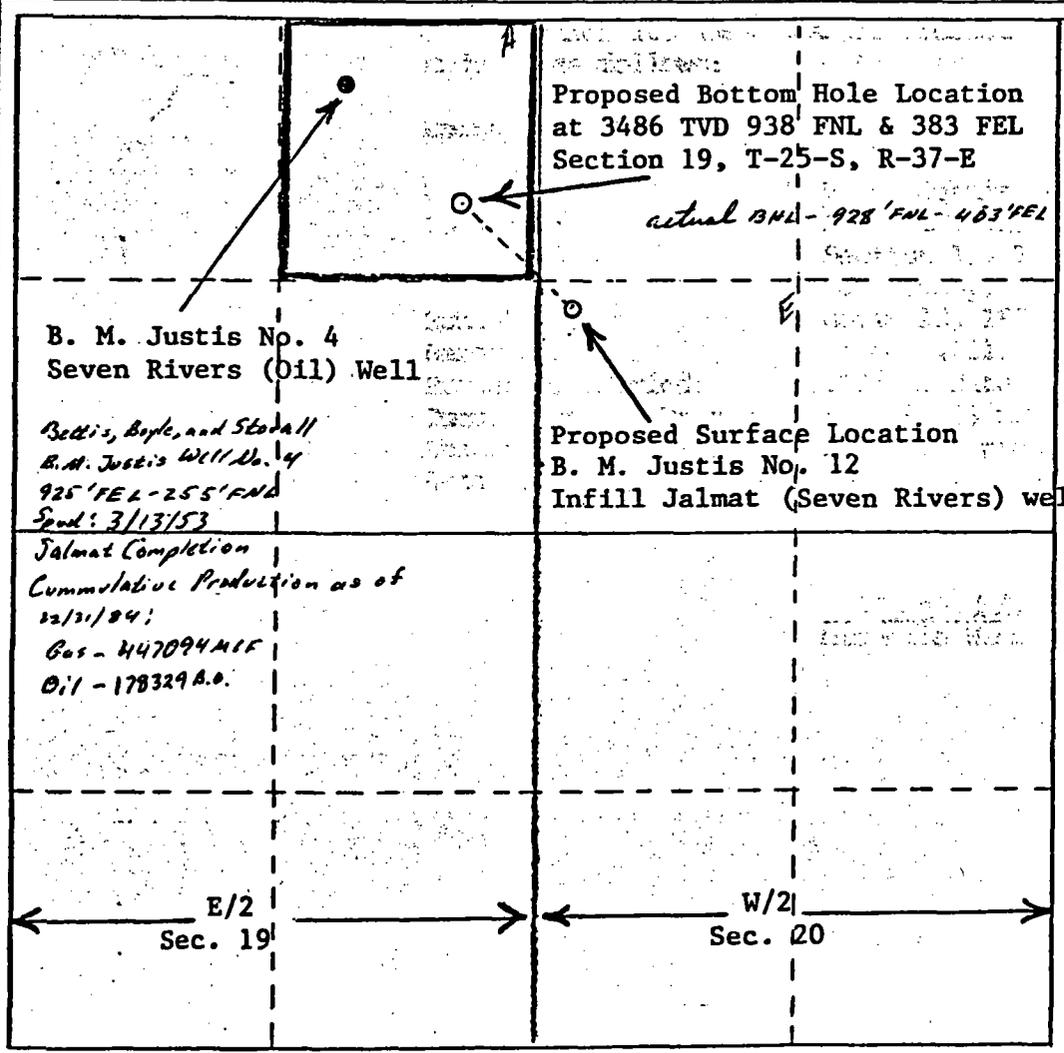
Operator <b>Doyle Hartman Oil Operator</b>			Lessee <b>B. M. Justis</b>		Well No. <b>12</b>
Unit Letter <b>E</b>	Section <b>19 &amp; 20</b>	Township <b>25 South</b>	Range <b>37 East</b>	County <b>Lea</b>	
Actual Footage Location of Well: <b>1450</b> feet from the <b>North</b> line and <b>120</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3074.0</b>	Producing Formation <b>Seven Rivers</b>		Pool <b>Jalmat (Oil)</b>		Dedicated Acreage: <b>40</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.



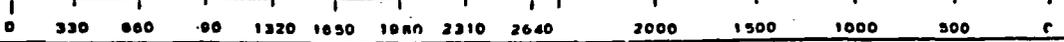
**CERTIFICATION**

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

*Larry A. Nermyr*  
Name  
Larry A. Nermyr  
Position  
Engineer  
Company  
Doyle Hartman  
Date  
July 10, 1984

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 \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_  
Certificate No. \_\_\_\_\_



DOYLE HARTMAN

*Oil Operator*

500 N. MAIN

P.O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

November 4, 1985

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Michael Stogner

Re: Administrative Procedure  
Infill Finding  
B. M. Justis No. 12  
1450 FNL & 120 FWL (E)  
Section 20, T-25-S, R-37-E  
Lea County, New Mexico  
(Surface Location)

Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, we hereby request an infill finding (NFL) for the above captioned B. M. Justis No. 12, the surface location of which is found at 1450 FNL & 120 FWL (E) Section 20, T-25-S, R-37-E, Lea County, New Mexico.

With regard to our request, and in accordance with Order R-6013-A, we submit the following:

- Rule 5 A copy of approved Form C-101 for the infill well and Form C-102 showing the proration unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled is Jalmat (Oil) Pool, and the standard spacing unit therefor is 40 acres.
- Rule 7 The number of the Administrative Order approving the directional drilling for the well is DD-1. The bottomhole location for the well is 928 FNL & 403 FEL (A) Section 19, T-25-S, R-37-E.
- Rule 8 Table 1 attached to William P. Aycock's letter dated December 6, 1984 shows the following:
- a. Lease name and well location;

- b. Spud date;
- c. completion date;
- d. a description of any mechanical problems experienced along with a summary of remedial action(s) taken and the results obtained;
- e. the current rate of production;
- f. date of plug and abandonment, if any, and;
- g. a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration.

Rule 9

Letter dated December 6, 1984 from William P. Aycock submits geological and engineering information sufficient to support a finding as to the necessity for an infill well including:

- a. formation structure map;
- b. the volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined;
- c. any other supporting data which the applicant deems to be relevant which may include:
  - 1. porosity and permeability factors
  - 2. Production/pressure decline curve
  - 3. effects of secondary recovery or pressure maintenance operations
  - 4. C-104 and C-105 (including Inclination Report)
  - 5. Scout Ticket and Well Log Summary for Doyle Hartman's B. M. Justis No. 12 (Infill Jalmat (Oil) Well)
  - 6. Copy of B. M. Justis No. 4 Well History, Production History, and Scout Ticket and Well Log Summary.

Rule 10

This application for infill finding is being filed in duplicate with the Santa Fe office of the Oil Conservation Division.

Rule 11

All operators of proration or spacing units offsetting the unit for which this infill finding is sought have been notified of this application by certified or registered mail.

We respectfully request that the Commission grant our request for an infill finding pursuant to Order R-6013-A.

New Mexico Oil Conservation Division  
November 4, 1985  
Page 3

Very truly yours,

DOYLE HARTMAN

*Michelle Hembree*

Michelle Hembree  
Administrative Assistant

/mh

Enclosures as above

WILLIAM P. AYCOCK & ASSOCIATES, INC.

*Petroleum Engineering Consultants*

1207 West Wall  
MIDLAND, TEXAS 79701

PHONE 915/683-5721

December 6, 1984

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

Attention Mr. Mike Stogner

Subject: Administrative Application for  
Infill Well Findings for  
Doyle Hartman B. M. Justis No. 12  
Section 19, Township 25 South,  
Range 37 East, 928' FNL & 403' FEL  
Jalmat (Oil) Pool  
Lea County, New Mexico

Gentlemen:

Application is hereby made for an administrative infill well finding effective with initial gas deliveries for the described well in accordance with Exhibit "A", Oil Conservation Division, New Mexico Department of Energy and Minerals, Order R-6013-A. The following constitute the requirements of the said Order:

- Rule 5: Attached are copies of Forms C-101 and C-102.
- Rule 6: The name of the pool in which the infill well has been drilled is the Jalmat Pool, and the standard spacing therefor is 40 acres.
- Rule 7: The directional drilling permit was approved administratively by Order No. DD-1, a copy of which is attached hereto. This Order was executed August 29, 1984, by Mr. Joe D. Ramey, Director of the Oil Conservation Division.
- Rule 8: See attached Table No. 1, "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A" for requirements of Sections "a." through "f.". Also required by Section "g." is "a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Jalmat (Oil) Pool to which the present 40-acre proration unit was assigned was the Bettis, Boyle and Stovall B. M. Justis "B" No. 4; this well produced a mean monthly volume of 802 bbl. and 1560 MCF for the months of January-May

1984, with an accumulative production of 3,084.6 MMCF as of July 1, 1984. As can be ascertained from the attached summarized completion data with well log for the B. M. Justis No. "B" 4, this well is completed over a 100-foot thick interval in the lower portion of the lower Seven Rivers formation between depths of 3280 feet and 3380 feet. (This interval does not correlate with the perforated interval in the Doyle Hartman B. M. Justis No. 12.) The Doyle Hartman B. M. Justis No. 12 is completed over a 35-foot thick gross interval between the vertical depths of 3266 feet and 3301 feet.

Therefore, the reason that the pre-existing B. M. Justis No. "B" 4 cannot efficiently and effectively drain the portion of the reservoir covered by proration unit can be summarized as follows:

1. The B. M. Justis "B" 4 was completed in less than all of the estimated net effective pay present.
2. The completion interval for the pre-existing Bettis, Boyle & Stovall B. M. Justis No. "B" 4 is in the upper Seven Rivers, while the completion interval of the infill Doyle Hartman B. M. Justis No. 12 is in the lower Seven Rivers. The completion intervals do not correlate.

Rule 9:

Sec. 2. Requires that a formation structure map be submitted; attached is a Yates formation structure map for the area including and surrounding the Doyle Hartman B. M. Justis No. 12.

Sec. b. Requires that the "volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined" be submitted. The estimated ultimate gas recovery for the Doyle Hartman B. M. Justis No. 12 is 18,728 MCF. Since the pre-existing and infill wells are completed in separate, non-correlative intervals of the Seven Rivers formation, the increased ultimate recovery is 18,728 MCF. The estimate of increased recovery for the Doyle Hartman No. 12 was accomplished as follows:

1. Daily well tests for the period September 24, 1984 to November 28, 1984, were analyzed for oil production trend and gas-oil ratio trend.
2. The results of these tests were an estimated ultimate oil recovery of 1680 bbl. of oil; the gas-oil ratio trend was without a discernable trend, ranging between 2200 and 3670 scf/bbl.
3. A similar analysis was made of the yearly production data for the Bettis, Boyle and Stovall B. M. Justis "B" 4 for the years 1959-1984.
4. The years 1959-1974 constituted a period of reasonable analogy to the Doyle Hartman B. M. Justis 12 insofar as gas-oil ratio trend is concerned. The mean gas-oil ratio resulting from this analysis is 12,467 to 1.0, as compared to an initial gas-oil ratio of 2419 to one. The ratio of mean gas-oil ratio to initial gas-oil ratio was then 3.65 to 1.0.
5. The estimated ultimate gas recovery for the Doyle Hartman B. M. Justis No. 12 was then estimated as the product of the following:  
Estimated Ultimate Oil Recovery: 1680 bbl.  
Initial gas-oil ratio: 3,056 scf/bbl.  
Ratio between mean and initial gas-oil ratios: 3.65 to 1.0

Sec. c. Other supporting data submitted include the following:

Summarized completion data with well logs for both the pre-existing and application wells.

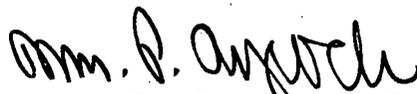
Gas Production History Tabulation and Graph for Bettis, Boyle and Stovall B. M. Justis "B" 4 (the pre-existing well).

Complete New Mexico Oil Conservation Division (NMOCD) Forms on file for both the pre-existing Bettis, Boyle and Stovall B. M. Justis "B" 4 and the Doyle Hartman B. M. Justis No. 12.

New Mexico Oil Conservation Division Order No. DD-1.

We believe that the above adequately documents this request and has been prepared in accordance with Exhibit "A", Order R-6013-A; however, we should be pleased to supply anything else which you might require in this connection.

Very truly yours,

  
Wm. P. Aycock, P.E.

WPA/bw

Enclosures

TABLE NO. 1

SUMMARY OF REQUIRED INFORMATION, RULE 8, EXHIBIT "A", ORDER R-6013-A,  
(SECTIONS "a." THROUGH "f.")

NATURAL GAS POLICY ACT INFILL FINDINGS, ADMINISTRATIVE PROCEDURE

<u>SECTION OF RULE 8</u>	<u>RULE 8 REQUIREMENT</u>	<u>PRE-EXISTING WELL BETTIS, BOYLY &amp; STOVALL, OPERATOR*</u>	<u>INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR</u>
a.	Lease Name and Well Location	B. M. Justis No. "B"-4 255' FNL & 925' FEL	B. M. Justis No. 12 928' FNL & 403' FEL
b.	Spud Date	March 13, 1953	September 6, 1984
c.	Completion Date	April 7, 1953	September 23, 1984
d.	Mechanical Problems	None	None
e.	Current Rate of Production	Produced 51 MCF/day, avg. for January-May 1984	Form C-105: 4 bbl/day & 15 MCF/day on 9-24-84
f.	Date of Plug and Abandonment	Not Plugged	Not Plugged

\*PREVIOUSLY LEONARD OIL CO. AND TENNECO OIL CO.

30-025-28805

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

5A. Indicate Type of Lease  
 STATE  FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
 b. Type of Well DRILL  DEEPEN  PLUG BACK   
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
Doyle Hartman

3. Address of Operator  
Post Office Box 10426 Midland, Texas 79702

4. Location of Well UNIT LETTER E LOCATED 1450 FEET FROM THE North LINE  
 \*\* Surface Location AND 120 FEET FROM THE West LINE OF SEC. 20 TWP. 25S RGE. 37E NMPM

7. Unit Agreement Name

8. Farm or Lease Name  
B. M. Justis

9. Well No.  
12

10. Field and Pool, or Wildcat  
Jalmat Oil

12. County  
Lea

19. Proposed Depth  
3486 TVD

19A. Formation  
Seven Rivers

20. Rotary or C.T.  
Rotary

21. Elevations (Show whether DF, RT, etc.)  
3074 G. L.

21A. Kind & Status Plug. Bond  
Multi-Well Approved

21B. Drilling Contractor  
Not Selected

22. Approx. Date Work will start  
August 1984

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	9-5/8	36.0	400 TVD	600	Surface
8-3/4	7	23.0	3486 TVD	700	Surface

We propose to drill a Jalmat (7-Rivers) well with the bottom-hole location 938 FNL & 383 FEL of Section 19, T-25-S, R-37-E. The surface at this location is occupied by houses. We propose to locate the rig on a vacant lot 1450 FNL and 120 FWL of Section 20, T-25-S, R-37-E and deviate the hole to bottom-hole location 938 FNL and 383 FEL of Section 19, T-25-S, R-37-E at a true vertical depth of 3486 GL. The total depth of the well will be 3486 true vertical depth and will be located 938 FNL and 383 FEL of Section 19, T-25-S, R-37-E. A directional survey of the entire well bore will be made when total depth is reached. Doyle Hartman has requested administrative approval to deviate this well. From the base of the surface pipe through the running of production casing, the well will be equipped with a 3000-psi double ram BOP system.

NOTE: Any gas produced from the proposed well has previously been dedicated to El Paso Natural Gas Company.

APPROVAL VALID FOR 180 DAYS  
 PERMIT EXPIRES 3/6/85  
 UNLESS DRILLING UNDERWAY

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 Larry A. Newman Title Engineer Date July 9, 1984

(This space for State Use)

APPROVED BY JERRY SEXTON TITLE ENGINEER DATE SEP 6 1984

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

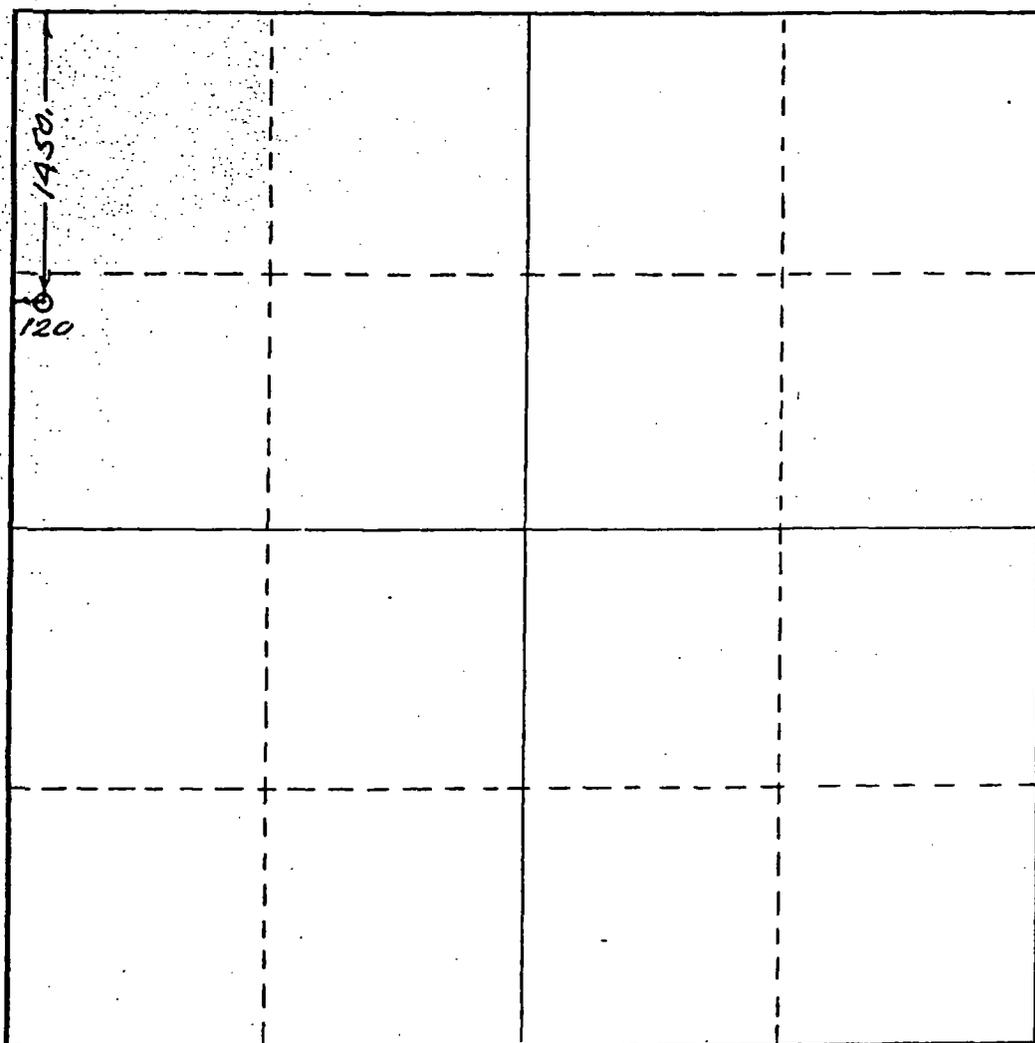
Operator <b>Doyle Hartman Oil Operator</b>		Lease <b>B.M. Justis</b>		Well No. <b>12</b>
Unit Letter <b>E</b>	Section <b>20</b>	Township <b>25 South</b>	Range <b>37 East</b>	County <b>Lea</b>
Actual Footage Location of Well: <b>1450</b> feet from the <b>North</b> line and <b>120</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3074.0</b>	Producing Formation <b>Seven Rivers</b>	Pool <b>Jalpat (Oil)</b>	Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.  
\*\*See attached C-102
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.

*Larry A. Nermyr*

Name

Larry A. Nermyr

Position

Engineer

Company

Doyle Hartman

Date

July 10, 1984

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

7-8-1984

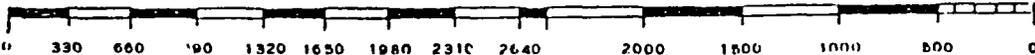
Registered Professional Engineer and/or Land Surveyor

*Truman Gaskin*

Truman Gaskin

Certificate No.

2126



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-12R  
Effective 1-1-65

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

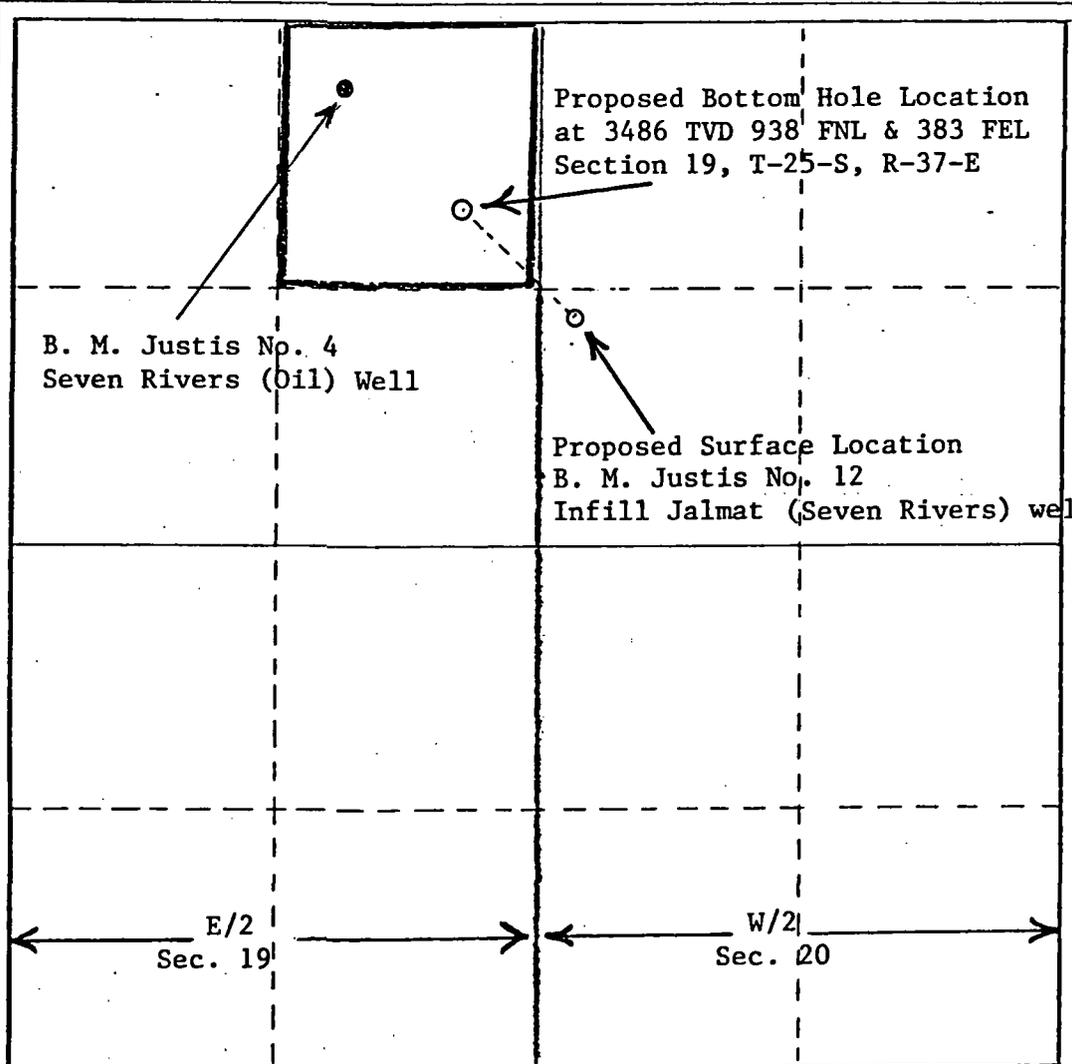
Operator <b>Doyle Hartman Oil Operator</b>		Lease <b>B. M. Justis</b>		Well No. <b>12</b>
Unit Letter <b>E</b>	Section <b>19 &amp; 20</b>	Township <b>25 South</b>	Range <b>37 East</b>	County <b>Lea</b>
Actual Footage Location of Well: <b>1450</b> feet from the <b>North</b> line, and <b>120</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3074.0</b>	Producing Formation <b>Seven Rivers</b>	Pool <b>Jalmat (Oil)</b>	Dedicated Acreage: <b>40</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.

*Larry A. Nermyr*

Name \_\_\_\_\_  
 Position **Larry A. Nermyr**  
**Engineer**  
 Company \_\_\_\_\_  
**Doyle Hartman**  
 Date **July 10, 1984**

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 \_\_\_\_\_  
 Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_



B. M. Justis 12  
F



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION

TONY ANAYA  
GOVERNOR

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

August 29, 1984

Doyle Hartman  
Oil Operator  
P.O. Box 10426  
Midland, Texas 79702

Attention: Michelle Hembree

Administrative Order DD-1

Gentlemen:

Under the provisions of Rule 111 (c) & (d), Doyle Hartman made application to the New Mexico Oil Conservation Division on July 16, 1984, for permission to directionally drill and complete for production the B.M. Justis Well No. 12.

The Division Director finds:

(1) That application has been duly filed under the provisions of Rule 111(d) of the Division Rules and Regulations;

(2) That satisfactory information has been provided that all offset operators have been duly notified;

(3) That the applicant, Doyle Hartman, is the owner and operator of the B. M. Justis Well No. 12, the non-standard surface location of which is 1450 feet from the North line and 120 feet from the West line of Section 20, Township 25 South, Range 37 East, Jalmat Oil Pool, Lea County, New Mexico.

(4) That the applicant seeks to directionally drill said well by kicking off from the vertical at a depth of approximately 600 feet and drilling in such a manner as to penetrate the Yates formation within 50 feet of a standard location point 938 feet from the North line and 383 feet from the East line of said Section 19.

SEP 4 1984

(5) That the NE/4 NE/4 of said Section 19 should be dedicated to the well.

(6) That the applicant should be required to determine the subsurface location of the bottom of the hole by means of a continuous multi-shot directional survey conducted subsequent to said directional drilling, if said well is to be completed as a producing well.

IT IS THEREFORE ORDERED:

(1) That the applicant, Doyle Hartman, is hereby authorized to directionally drill its B. M. Justis Well No. 12 from a non-standard surface location 1450 feet from the North line and 120 feet from the West line of Section 20, Township 25 South, Range 37 East, Jalmat Oil Pool, by kicking off from the vertical a depth of approximately 600 feet and drilling in such a manner as to penetrate the Yates formation within 50 feet of a standard location point 938 feet from the North line and 383 feet from the East line of said Section 19.

PROVIDED HOWEVER, that prior to the above-described directional drilling, the applicant shall establish the location of the kick-off point by conducting a continuous multi-shot directional survey of the well.

PROVIDED FURTHER, that subsequent to the above-described directional drilling, should said well be a producer, a continuous multi-shot directional survey shall be made of the wellbore from total depth to the kick-off point with shot points not more than 100 feet apart; that the operator shall cause the surveying company to forward a copy of the survey report directly to the Santa Fe office of the Division, P. O. Box 2088, Santa Fe, New Mexico 87501 and that the operator shall notify the Division's Hobbs District Office of the date and time said survey is to be commenced.

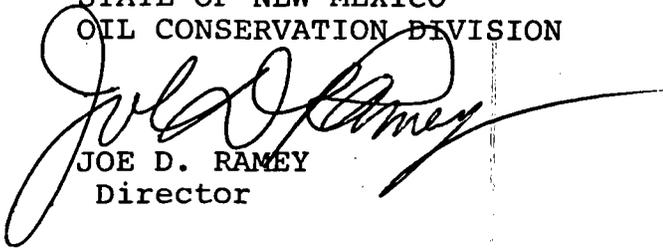
(2) That Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(3) That the NE/4 NE/4 of said Section 19 shall be dedicated to the subject well.

(4) 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 the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



Handwritten signature of Joe D. Ramey in cursive script, written over the typed name and title.

JOE D. RAMEY  
Director

S E A L

TEAGUE, 48

500

HUMPHREYS  
ST

TD 10,550

TD 11,198

TD 7

TD 1

Section 19  
T-25-S, R-37-E  
Lea County, New Mexico



CROSBY, 55

TD 13,505

TD 3231

TD 3500

R 36 E

(RHODES  
STORAGE  
AREA, 57)

LEONARD, 48

TD 11,235

TD 12,535

TD 15,125

SCARBOROUGH, 65

TD 250

RHODES, 29

R 37 E

COMPANY DOYLE HARTMAN

WELL B.M. JUSTIS No. 12

FIELD Jalmaf (Oil)

LOCATION 1450 FNL & 120 FWL (E)  
SECTION 20, T-25-S, R-37-E  
(25-37-20-E)

COUNTY LEA

STATE NEW MEXICO

ELEVATIONS:

KB \_\_\_\_\_

DF \_\_\_\_\_

GL 3074

Doyle Hartman  
B.M. Justis No. 12  
E-20-25S-37E

COMPLETION RECORD

SPUD DATE 9-6-84 COMP. DATE 9-23-84

TD 3680 MD PBD 3602 MD

CASING RECORD 9 5/8 @ 430 w/300  
7 @ 3679 w/850

PERFORATING RECORD Perf: 3382-3417 w/15  
(3266-3301)

STIMULATION A/4150

IP IPF = 4 BOPD + 15 MCFPD + 12 BWPD

GOR 3750

GR \_\_\_\_\_

TP \_\_\_\_\_

CP 10

CHOKE 48/64 TUBING 2 3/8 @ 3536

REMARKS

(3418)

(142 x 64 x 10)

Completion  
3382-3417 (MD)  
(3266-3301 TVD)

PBD@ 3602 (MD)

TD@ 3680 (MD)

E-20-25S-37E

DMT12048  
 DOYLE HARTMAN, OIL OPERATOR  
 DWIGHTS ENERGY DATA SYSTEM RUN DATE 11/04/85 TIME 16:36:13

LEASE NAME B H JUSTIS B LOCATION 19A258 37E DWIGHTS ID # 30225337E19A00YS FIELD - JALPAT TAMSILL YATES SEVEN RIVERS YS PRORATION UNIT # - 15115

WELL  
 OFFER BETTIS BOYLE & STOWALL

CUMES DATES - LIQUID 0/69/12 CUMES - LIQUID 79149 LTD GATHERER  
 GAS 0/69/12 GAS 275063 GAS GATHERER

SELECTION  
 FROM-TO  
 70-85

PRODUCTION DATA

YR NR WELLS PROD	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	LTD	AVG
70 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	124	112	124	120	124	120	124	124	120	124	120	124	1460		122
OIL	20	143	90	110	149	92	87	120	41	116	50	144	1162	80311	97
WATER	10	71	45	53	111	69	65	90	30	85	37	105	773		64
GAS	1301	1548	1768	1804	1678	1755	1700	1516	1131	2630	735	691	18257	293320	1521
71 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	148	224	248	240	248	240	93	119	150	155	150	155	2190		183
OIL	104	124	65	86	93	86	99	124	90	80	51	46	1048	81359	87
WATER	76	91	47	60	65	60	69	87	54	40	25	23	697		58
GAS	645	723	745	689	787	753	1626	1625	1539	1460	1283	1159	13036	306356	1086
72 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	155	145	155	150	155	150	124	124	120	124	120	56	1578		132
OIL	12	109	139	122	110	102	103	39	29	0	0	18	783	82142	78
WATER	5	53	93	0	39	28	0	0	0	0	0	0	218		44
GAS	1055	1352	1522	1526	1525	1530	1527	1494	2257	1479	1596	1464	18327	324683	1527
73 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	124	112	124	120	124	120	124	124	150	155	150	155	1582		132
OIL	0	16	52	51	60	7	0	3	0	97	36	25	347	82489	39
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	1288	1115	1515	1359	1391	1286	1244	1226	1183	1286	1158	1288	15339	340022	1278
74 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	155	140	155	150	124	120	124	124	120	124	120	124	1580		132
OIL	72	56	32	34	0	0	0	0	0	75	35	24	328	82817	47
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	1323	1085	1258	1052	0	0	0	0	225	777	752	756	7228	347250	904
75 FLOW	0	0	0	0	0	0	0	0	0	0	0	0			
LIFT	1	1	1	1	1	1	1	1	1	1	1	1			
DAYS	124	112	124	120	124	120	124	124	150	155	150	155	1582		132
OIL	0	0	0	0	0	166	70	101	84	63	80	16	580	83397	83
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	680	592	747	652	700	702	1281	1291	927	733	1029	1016	10350	357600	863

DMT12048  
 DOYLE HARTMAN, OIL OPERATOR  
 DWIGHTS ENERGY DATA SYSTEM RUN DATE 11/04/85 TIME 16:36:13

LEASE NAME B M JUSTIS B LOCATION 19A25S 37E DWIGHTS-ID # 30225337E19A00YS FIELD - JALMAT TAWSILL YATES SEVEN RIVERS YS PRORATION UNIT # - 15115  
 WELL 4  
 OPER BETTIS BOYLE & STOWALL

CUMES DATES - LIQUID GAS 0/69/12  
 CUMES - LIQUID GAS 0/69/12  
 79149 LID GATHERER  
 275063 GAS GATHERER

SELECTION  
 FROM-TO  
 70-85

PRODUCTION DATA

YR NR WELLS	PRODN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	1TD	AVG
76 FLOW		0	0	0	0	0	0	0	0	0	0	0	0			
LIFT		1	1	1	1	1	1	1	1	1	1	1	1			
DAYS		155	145	155	150	155	150	155	620	2400	2480	2400	2480	11445		954
OIL		106	67	0	49	111	57	222	443	925	1151	1709	1795	6635	90032	603
WATER		0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS		1375	1307	1230	1347	1228	1075	525	430	27	1369	1488	1479	12880	370480	1073
77 FLOW		0	0	0	0	0	0	0	0	0	0	0	0			
LIFT		1	1	1	1	1	1	1	1	1	1	1	1			
DAYS		2480	2240	2480	2400	2480	2400	2480	2480	1950	2015	1950	2015	27370		2281
OIL		0	1222	1491	1146	1894	1444	1624	1248	1088	1780	1479	1432	15848	105880	1441
WATER		0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS		1363	1062	1149	1127	1245	1279	1288	676	536	437	980	715	11857	382337	988
78 FLOW		0	0	0	0	0	0	0	0	0	0	0	0			
LIFT		1	1	1	1	1	1	1	1	1	1	1	1			
DAYS		0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL		1266	1105	1342	1293	1296	1054	1259	1018	1155	1300	497	1067	13652	119532	1138
WATER		0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS		601	639	835	1030	935	918	1058	880	3646	1180	934	1167	13823	396160	1152
79 FLOW		0	0	0	0	0	0	0	0	0	0	0	0			
LIFT		1	1	1	1	1	1	1	1	1	1	1	1			
DAYS		0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL		1050	889	1231	912	1039	995	528	774	648	1001	1001	844	10912	130444	909
WATER		0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS		1153	1112	1537	1151	1337	1404	966	904	1153	1402	1288	1234	14663	410823	1222
80 FLOW		0	0	0	0	0	0	0	0	0	0	0	0			
LIFT		1	1	1	1	1	1	1	1	1	1	1	1			
DAYS		0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL		1041	824	900	950	934	803	829	900	743	960	726	985	10595	141039	883
WATER		0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS		1245	0	0	0	0	0	0	0	0	0	0	0	1245	412068	1245
81 FLOW		0	0	0	0	0	0	0	0	0	0	0	0			
LIFT		1	1	1	1	1	1	1	1	1	1	1	1			
DAYS		0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL		1038	759	1008	726	886	908	874	811	819	826	806	998	10459	151498	872
WATER		0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS		0	0	0	0	0	0	0	0	0	0	879	937	1816	413884	908

INT12048

DOYLE HARTMAN, OIL OPERATOR  
DAUGHTS ENERGY DATA SYSTEM

RUN DATE 11/04/85 TIME 16:36:13

PAGE 3

LEASE NAME B M JUSTIS B LOCATION 19AZ55 37E DWIGHTS ID # 30225537E19A00YS FIELD - JALMAT TANSILL YATES SEVEN RIVERS YS PRORATION UNIT # - 15115

WELL  
4  
OPER BETTIS ROYLE & STOWALLCUMES DATES - LIQUID 0/69/12 CUMES - LIQUID 79149 LIG GATHERER  
GAS 0/69/12 GAS 275063 GAS GATHERERSELECTION  
FROM-TO  
70-85

## PRODUCTION DATA

YR	NR	WELLS	FROM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	AVG
82	FLOW			0	0	0	0	0	0	0	0	0	0	0	0			
	LIFT			1	1	1	1	1	1	1	1	1	1	1	1			
	DAYS			0	0	0	0	0	0	0	0	0	0	0	0	0		0
	OIL			804	772	817	733	771	738	598	789	711	834	797	772	9136	160634	761
	WATER			0	0	0	0	0	0	0	0	0	0	0	0	0		0
	GAS			941	866	1010	895	402	575	916	967	933	950	909	922	10286	424170	857
83	FLOW			0	0	0	0	0	0	0	0	0	0	0	0			
	LIFT			1	1	1	1	1	1	1	1	1	1	1	1			
	DAYS			28	28	31	30	31	30	31	28	25	31	30	31	354		30
	OIL			658	758	801	758	776	729	723	718	667	1033	814	872	9307	169941	776
	WATER			0	0	0	0	0	0	0	0	0	0	0	0	0		0
	GAS			850	917	1085	932	990	932	956	986	765	956	894	819	11082	435252	924
84	FLOW			0	0	0	0	0	0	0	0	0	0	0	0			
	LIFT			1	1	1	1	1	0	1	1	1	1	1	1			
	DAYS			30	21	31	30	31	0	0	0	0	31	30	31	235		29
	OIL			832	577	840	936	827	0	1107	792	592	512	655	718	8388	178329	763
	WATER			0	0	0	0	0	0	0	0	0	0	0	0	0		0
	GAS			1236	1317	1864	1916	1467	0	1252	1046	460	329	477	478	11842	447094	1077
85	FLOW			0	0	0	0	0	0	0	0	0	0	0	0			
	LIFT			1	1	1	1	1	1	0	0	0	0	0	0			
	DAYS			31	28	31	30	31	30	0	0	0	0	0	0	181		30
	OIL			617	496	596	675	638	400	0	0	0	0	0	0	3422	181751	570
	WATER			0	0	0	0	0	0	0	0	0	0	0	0	0		0
	GAS			462	411	445	450	0	281	0	0	0	0	0	0	2049	449143	410

COMPANY Bettis, Boyle, & Stovall

WELL B. M. Justis "B" No. 4

FIELD Jalmat

LOCATION 255 FNL & 925 FEL (A)  
Section 19, T-25-S, R-37-E  
(25-37-19-A)

COUNTY Lea  
STATE New Mexico

ELEVATIONS: KB 3098  
DF \_\_\_\_\_  
GL \_\_\_\_\_

COMPLETION RECORD

SPUD DATE 3-13-53 COMP. DATE 4-7-53

TD 3380 PBTD \_\_\_\_\_

CASING RECORD 10 3/4 @ 288 w/125  
7 @ 3280 w/300

PERFORATING RECORD OH: 3280-3380

STIMULATION Hydrofrac/1500

IP IPF/11 BOPH

GOR \_\_\_\_\_ GR \_\_\_\_\_

TP \_\_\_\_\_ CP \_\_\_\_\_

CHOKE 10/64 TUBING 2 3/8 @ 337

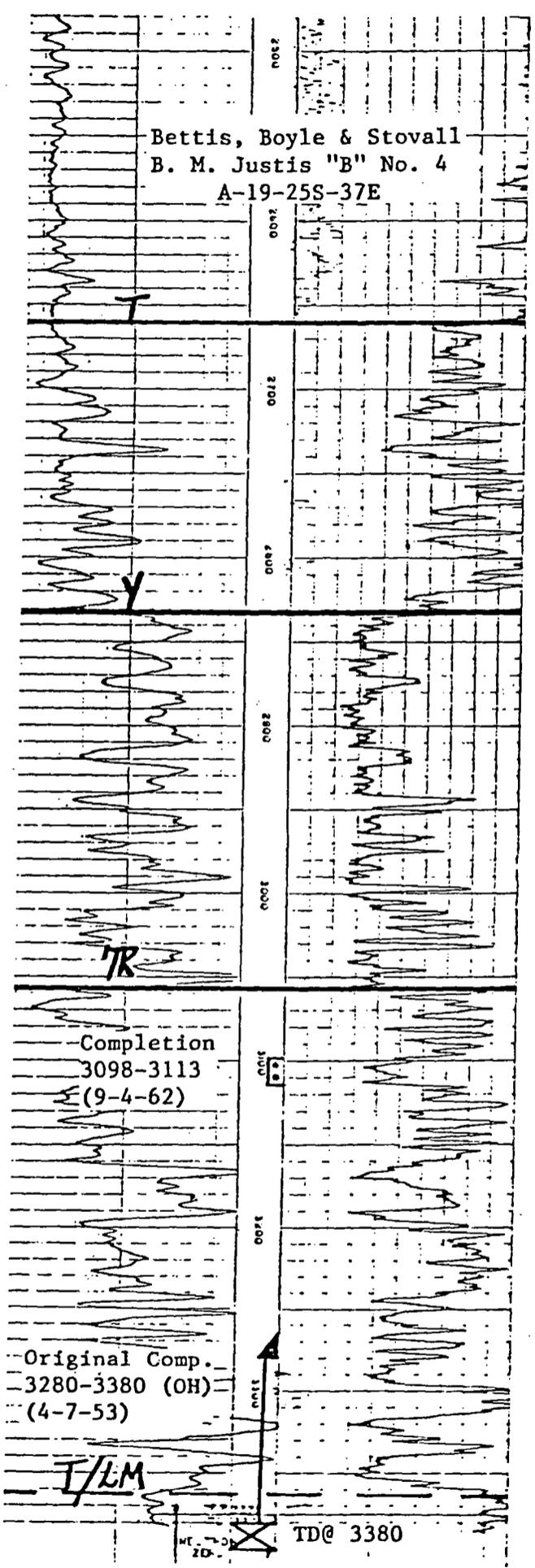
REMARKS 5-13-57: F/20,000 + 30,000  
(3280-3380)

9-4-62: BP @ 3125. Perf 3098-  
3113. F/25,000 + 28,800.

Retrieved BP. F/25 BOPD + 150 MCFPD.

6-83 Cum Prod: 165 MBO

1983 Avg Prod: 25 BOPD + 31 MCFPD



A-19-25S-37E

DATE Oct. 11 19 76

## ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer Bettis-Boyle & Stovall (0642)

Well Name and Number B. M. Justis B #4

Location 225'N, 925'E, Sec. 19, T-25-R-37, Lea Co., NM

Pool Name Jalmat

Producing Formation Jalmat

Top of Gas Pay 3126'

Oil or Gas Well Oil

Gas Unit Allocation None

Date Tied Into Gathering Systems September 7, 1976 (Reconnect)

Date of First Delivery October 1, 1976

Gas Gathering System Lea Co. Low Pressure System

Processed through Gasoline Plant (yes or no) Yes

Station Number 63-410-01

Remarks: Well not produced when tied in due to awaiting operator to  
install equipment.

By: Morris L. Elliott Dispatching

NOV 5 1976

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

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ERATOR		

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL  GAS WELL  OTHER

Name of Operator  
**Bettis, Boyle and Stovall**

Address of Operator  
**Box 1168 Graham, Texas 76046**

Location of Well  
UNIT LETTER **A** **925** FEET FROM THE **East** LINE AND **255** FEET FROM  
THE **North** LINE, SECTION **19** TOWNSHIP **25S** RANGE **37E** NMPM.

7. Unit Agreement Name

8. Farm or Lease Name  
**B.M. Justice B**

9. Well No.  
**4**

10. Field and Pool, or Wildcat  
**Jalmat Yates**  
**Seven Rivers Tansil**

15. Elevation (Show whether DF, RT, GR, etc.)  
**R.T. 3098**

12. County  
**Lea**

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
WELL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

9-3-76 Pulled rods and pump. Pumped in 50 bbls of oil with 250 gallons of chemical. Put well back on pump.

9-6-76 Recovered load oil and well is making 80 BOPD.

RECEIVED JUL 21 1981

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

SIGNED *Jerry Sexton* TITLE Petroleum Engineer DATE 9-15-76

APPROVED BY Orig. Signed by Jerry Sexton Dist 1, Supv. TITLE \_\_\_\_\_ DATE SEP 20 1976

CONDITIONS OF APPROVAL, IF ANY:

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	GAS
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**NEW MEXICO OIL CONSERVATION COMMISSION**  
**REQUEST FOR ALLOWABLE**  
**AND**  
**AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104  
 Supersedes Old C-104 and C-105  
 Effective 1-1-65

**I. OPERATOR**

Operator: Bettis, Boyle & Stovall

Address: Box 1168 Graham, Texas 76046

Reason(s) for filing (Check proper box):  
 New Well  Change in Transporter of:  
 Recompletion  Oil  Dry Gas   
 Change in Ownership  Casinghead Gas  Condensate  Other (Please explain): Effective 10-1-70

If change of ownership give name and address of previous owner: Tenneco Oil Company Box 1031 Midland, Texas

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name <u>B. M. Justis B</u>	Well No. <u>4</u>	Pool Name, including Formation <u>Jalnat Yates SR, Tansill</u>	Kind of Lease State, Federal or Fee <u>Fee</u>	Lease No.
Location Unit Letter <u>A</u> ; <u>265</u> Feet From The <u>North</u> Line and <u>925</u> Feet From The <u>East</u>				
Line of Section <u>19</u> Township <u>25S</u> Range <u>37E</u> , NMPM, <u>Len</u> County				

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> <u>Shell Pipe Line Company</u>	Address (Give address to which approved copy of this form is to be sent) <u>Box 1910 Midland, Texas</u>
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> <u>El Paso Natural Gas Company</u>	Address (Give address to which approved copy of this form is to be sent) <u>Box 1384 Jal, New Mexico</u>
If well produces oil or liquids, give location of tanks. Unit <u>A</u> Sec. <u>19</u> Twp. <u>25S</u> Rge. <u>37E</u>	Is gas actually connected? <u>yes</u> When <u>unknown</u>

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> New Well	<input type="checkbox"/> Workover	<input type="checkbox"/> Deepen	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Same Res'v.	<input type="checkbox"/> Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations						Depth Casing Shoe		

**TUBING, CASING, AND CEMENTING RECORD**

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

**V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

**GAS WELL**

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

**VI. CERTIFICATE OF COMPLIANCE**

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*E. M. Bettis*  
 (Signature) E. M. Bettis  
 (Title) Rex Agent

October 28, 1970  
 (Date)

**OIL CONSERVATION COMMISSION**

NOV 18 1970

APPROVED \_\_\_\_\_, 19\_\_\_\_

BY *John W. Ryan*

TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deepens well, this form must be accompanied by a tabulation of the deviatio tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for allow able on new and recompleted wells. Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multipl

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NEW MEXICO OIL CONSERVATION COMMISSION  
 REQUEST FOR ALLOWABLE  
 AND  
 AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
 Supersedes Old C-104 and C-105  
 Effective 1-1-65

Oct 20 1 05 PM '65

Operator  
**Tenneco Oil Company**

Address  
**Box 1031, Midland, Texas**

Reason(s) for filing (Check proper box)      Other (Please explain)

New Well       Change in Transporter of:      Change name of lease from B.M. Justis

Recompletion       Oil       Dry Gas

Change in Ownership       Casinghead Gas       Condensate

If change of ownership give name and address of previous owner \_\_\_\_\_

**DESCRIPTION OF WELL AND LEASE**

Lease Name <b>B.M. Justis B</b>	Well No. <b>4</b>	Pool Name, including Formation <b>Jalpat, Y. Sr. Tans</b>	Kind of Lease State, Federal or Fee      Fee
Location			
Unit Letter <b>A</b>	<b>255</b> Feet From The <b>north</b> Line and <b>925</b> Feet From The <b>east</b>		
Line of Section <b>19</b>	Township <b>25-S</b>	Range <b>37-E</b>	NMPM, Lea County

**DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> <b>Shell Pipe Line Company</b>	Address (Give address to which approved copy of this form is to be sent) <b>Box 1910, Midland, Texas</b>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> <b>El Paso Natural Gas Company</b>	Address (Give address to which approved copy of this form is to be sent) <b>Box 1384, Jal., New Mexico</b>
If well produces oil or liquids, give location of tanks. Unit <b>A</b> Sec. <b>19</b> Twp. <b>25-S</b> Rge. <b>37-E</b>	Is gas actually connected? <b>yes</b> When <b>8-1953</b>

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth			Depth Casing Shoe		

**TUBING, CASING, AND CEMENTING RECORD**

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

**TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

**GAS WELL**

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

**I. CERTIFICATE OF COMPLIANCE**

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

  
**R.L. Leggett**  
 District Office Supervisor

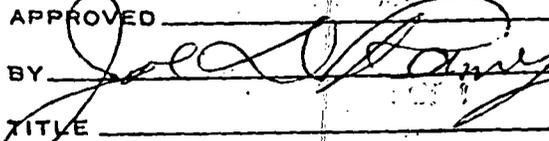
District Office Supervisor

(Title)

October 18, 1965

(Date)

**OIL CONSERVATION COMMISSION**

APPROVED \_\_\_\_\_, 19\_\_\_\_  
 BY   
 TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiphase completed wells.

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NEW MEXICO OIL CONSERVATION COMMISSION  
 REQUEST FOR ALLOWABLE  
 AND  
 AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
 Supersedes Old C-104 and C-1  
 Effective 1-1-65

OCT 11 10 25 AM '65

Operator  
 Tenneco Oil Company

Address  
 P.O. Box 1031, Midland, Texas

Reason(s) for filing (Check proper box) Other (Please explain)  
 New Well  Change in Transporter of Oil  Dry Gas   
 Recompletion  Oil  Condensate   
 Change in Ownership  Casinghead Gas  Effective 10-1-65

If change of ownership give name and address of previous owner  
 Leonard Oil Company, 10th Floor Security Life Bldg., Roswell, New Mexico

DESCRIPTION OF WELL AND LEASE

Lease Name B. M. Justis	Well No. 4	Pool Name, including Formation Jalnet, Y. SR. Tans.	Kind of Lease State, Federal or Fee
Location Unit Letter <u>A</u> ; <u>255</u> Feet From The <u>North</u> Line and <u>925</u> Feet From The <u>East</u>			
Line of Section <u>19</u> , Township <u>25-S</u> Range <u>37-E</u> , NMPM, <u>Lea</u> County			

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Shell Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) Box 1910 Midland, Texas
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Box 1384, Jal, New Mexico
If well produces oil or liquids, give location of tanks. Unit <u>A</u> Sec. <u>19</u> Twp. <u>25S</u> Rge. <u>37E</u>	Is gas actually connected? <u>yes</u> When <u>8-1953</u>

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations							Depth Casing Shoe	

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

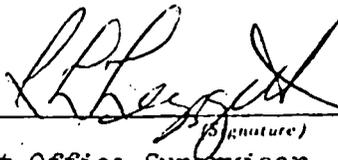
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

  
 R. L. Leggett  
 District Office Supervisor

October 1, 1965

(Title)

(Date)

OIL CONSERVATION COMMISSION

APPROVED \_\_\_\_\_, 1965

BY \_\_\_\_\_

TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1102.  
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
 All sections of this form must be filled out completely for allowable on new and recompleted wells.  
 Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.  
 Separate Forms C-104 must be filed for each pool in multiply completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS  
(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY LEONARD OIL COMPANY - Box 400 - Roswell, New Mexico  
(Address)

LEASE B. M. Justis WELL NO. 4 UNIT A S 19 T 25S R 37E

DATE WORK PERFORMED Sept. 4, 1962 POOL Jalpat

This is a Report of: (Check appropriate block)

Results of Test of Casing Shut-off

Beginning Drilling Operations  Remedial Work

Plugging  Other \_\_\_\_\_

Detailed account of work done, nature and quantity of materials used and results obtained.

Sept. 4-7, 1962 - Pulled rods & tubing. Ran Perforating Depth Control log. Perforated 3098-3113'. Set retrievable bridge plug @ 3125'. Treated w/ 25,000 gals. refined oil & 28,800# sand. Treating pressures were 2,000-2,200# @ 40 barrels per minute. Retrieved bridge plug. Ran Tubing, rods & pump, and commenced pumping from open hole section 3280-3380' and from perfs. 3098-3113'.

Sept. 7 - Oct. 1, 1962 - Recovering load oil by pumping.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3098' TD 3380' PBD -- Prod. Int. 3280-3380' Compl Date 4/7/53

Tbng. Dia 2-3/8" Tbng Depth 3373' Oil String Dia 7" Oil String Depth 3280'

Perf Interval (s) 3098-3113'

Open Hole Interval 3280-3380' Producing Formation (s) Seven Rivers

RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	Sept. 1, 1962	Oct. 2, 1962
Oil Production, bbls. per day	8	25
Gas Production, Mcf per day	20	150
Water Production, bbls. per day	Tr.	Tr.
Gas-Oil Ratio, cu. ft. per bbl.	2,500	6,000
Gas Well Potential, Mcf per day		

Witnessed by Fowler Hix Leonard Oil Company  
(Company)

OIL CONSERVATION COMMISSION

Name \_\_\_\_\_  
Title \_\_\_\_\_  
Date \_\_\_\_\_

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

Name Fowler Hix  
Position General Manager.  
Company Leonard Oil Company

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER) Perf. & Frac	X

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

March 9, 1961  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the.....

LEONARD OIL COMPANY (Company or Operator) B.M. JUSTIS Lessee Well No. 4 in A (Unit)  
 NE 1/4 NE 1/4 of Sec. 19, T. 25S, R. 37E NMPM, Jalmat Pool  
 (40-acre Subdivision)  
 Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Well is now producing from open hole in interval 3280-3380.  
Propose to:

- Pull rods & tubing.
- Perf: 3100-3114; 3163-73; 3189-96; 3242-47; 3250-60; 3264-69.
- Set BP @ 3275.
- Sand frac the above perfs.

MAR 20 1961

Approved....., 19.....  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION  
By.....  
Title.....

LEONARD OIL COMPANY  
Company or Operator  
By.....  
Position..... General Manager  
Send Communications regarding well to:  
Name..... LEONARD OIL COMPANY  
Address..... P.O. BOX 708, ROSWELL, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

HOBBS OFFICE OCC

MISCELLANEOUS NOTICES

1957 MAR 12 AM 10:47

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER) To Frac	X

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico,  
(Place)

March 12, 1957  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the.....

LEONARD OIL COMPANY

B. M. Justis

Well No. 4 in A (Unit)

NE 1/4 NE 1/4 of Sec. 19, T. 25S, R. 37E, NMPM, Langlie-Mattix Pool

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Propose to pull tubing, remove packer, re-run tubing and frac with 10,000 gallons sand oil (Halliburton) open hole zone from 3280-3380'.

Well now producing approximately 4 BOPD.

MAR 15 1957

Approved....., 19.....  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION

By.....  
F. J. FISCHER ENGINEER  
Title.....

LEONARD OIL COMPANY

Company or Operator

By Patrick J. Leonard  
Position Patrick J. Leonard, Vice-President

Send Communications regarding well to:

LEONARD OIL COMPANY

Name.....  
Address..... Box 708, Roswell, New Mexico

DUPLICATE

HOBBS OFFICE OOC

Form C-103  
(Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY LEONARD OIL COMPANY - Box 703 - Roswell, New Mexico  
(Address)

LEASE B. M. JUSTIS WELL NO. 4 UNIT A S 20 T 25 S R 37 E

DATE WORK PERFORMED 4/12/57 - 5/13/57 POOL Langlie-Mattix

This is a Report of: (Check appropriate block)  Results of Test of Casing Shut-off  
 Beginning Drilling Operations  Remedial Work  
 Plugging  Other

Detailed account of work done, nature and quantity of materials used and results obtained.

4/13/57 - Treated well with 20,000 gals. frac oil and 30,000 sd.  
4/14-21/57 - Swabbed and tst well - Partial recovery of load oil.  
4/21-5/11/57 - Installed pump, waited on electricity and recovered remaining load oil.  
5/12/57 - Well tst this date.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3076' TD 3380' PBD None Prod. Int. 3280-3380' Compl Date 4/7/53  
Tbng. Dia 2-3/8" Tbng Depth 3373' Oil String Dia 7" Oil String Depth 3280'  
Perf Interval (s) \_\_\_\_\_  
Open Hole Interval 3280-3380' Producing Formation (s) Seven Rivers

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	<u>4/12/57</u>	<u>5/12/57</u>
Oil Production, bbls. per day	<u>3</u>	<u>50</u>
Gas Production, Mcf per day	<u>TST</u>	<u>68,560</u>
Water Production, bbls. per day	<u>0</u>	<u>Trace</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>TST</u>	<u>1371-1</u>
Gas Well Potential, Mcf per day		

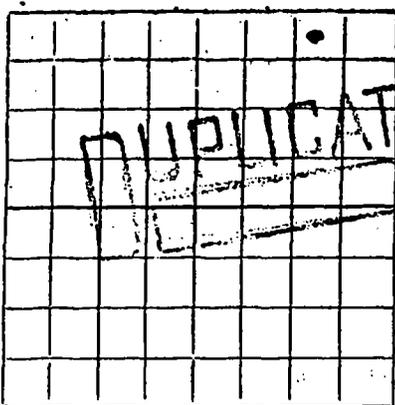
Witnessed by \_\_\_\_\_ LEONARD OIL COMPANY  
(Company)

OIL CONSERVATION COMMISSION

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

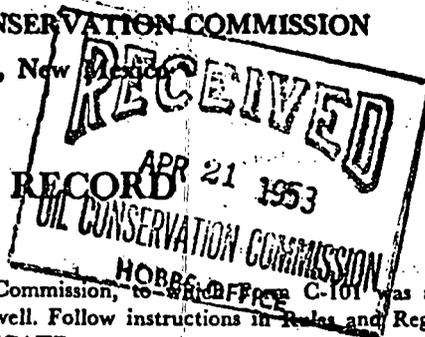
Name E. Fischer  
Title Engineer District 1  
Date \_\_\_\_\_

Name \_\_\_\_\_  
Position President  
Company Leonard Oil Company



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



WELL RECORD

Mail to District Office, Oil Conservation Commission, to District Office C-101, as sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**LEONARD OIL COMPANY**

(Company or Operator)

**B. M. Justice**

(Lease)

Well No. **4** in **NE**  $\frac{1}{4}$  of **NE**  $\frac{1}{4}$ , of Sec. **19**, T. **25S**, R. **37E**, NMPM.  
**Langlie-Harris** Pool, **Lee** County.

Well is **925** feet from **East** line and **255** feet from **North** line of Section. If State Land the Oil and Gas Lease No. is

Drilling Commenced **March 13,** 19**53** Drilling was Completed **April 7,** 19**53**

Name of Drilling Contractor **ROGERS, INC.**

Address **Box 1718, Hobbs, New Mexico**

Elevation above sea level at Top of Tubing Head **3098'**

The information given is to be kept confidential until

OIL SANDS OR ZONES

No. 1, from <b>3286</b> to <b>3296</b> <b>Gas</b>	No. 4, from _____ to _____
No. 2, from <b>3316</b> to <b>3330</b> <b>Oil</b>	No. 5, from _____ to _____
No. 3, from <b>3338</b> to <b>3360</b> <b>Oil</b>	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10-3/4"	32	Used	288				Surface String
7"	20	New	3280	Formation	Packer Shoe		Prod. String
2-3/8"	4.7	New	3373				Tubing

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	10-3/4"	288'	225	Circulated		
	7"	3280'	300	Two-stage Halliburton		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Treated section from **3280'** to **3360'** with **1500 gallons Gel** by **Halliburton.**

Result of Production Stimulation **Increase in oil to 15 BOPH from a very small show of oil.**

Depth Cleaned Out **3360'**

ORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 3380 - TD feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

PRODUCTION

Put to Producing April 7, 1953

OIL WELL: The production during the first 24 hours was 360 barrels of liquid of which 100% was oil; \_\_\_\_\_% was emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% was sediment. A.P.I. Gravity \_\_\_\_\_

GAS WELL: The production during the first 24 hours was \_\_\_\_\_ M.C.F. plus \_\_\_\_\_ barrels of liquid Hydrocarbon. Shut in Pressure \_\_\_\_\_ lbs.

Length of Time Shut in \_\_\_\_\_

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.....	1040	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....	1503	T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....	2522	T. Montoya.....	T. Farmington.....
T. Yates.....	2335	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....		T. McKee.....	T. Menefee.....
T. Queen.....	3242	T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....		T. Gr. Wash.....	T. Mancos.....
T. San Andres.....		T. Granite.....	T. Dakota.....
T. Glorieta.....		T. ....	T. Morrison.....
T. Drinkard.....		T. ....	T. Penn.....
T. Tubbs.....		T. ....	T. ....
T. Abo.....		T. ....	T. ....
T. Penn.....		T. ....	T. ....
T. Miss.....		T. ....	T. ....

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	30	30	Caliche				
30	40	10	Flint				
40	94	54	Sand and Clay				
94	199	105	Red Bed & Anhydrite				
199	284	85	Sand & Red Rock				
284	380	96	Red Bed & Sand				
380	513	133	Sand, Red Rock & Shale				
513	921	408	Red Bed & Shells				
921	1042	121	Red Bed				
1042	1215	173	Anhydrite				
1215	1285	70	Salt				
1285	1503	220	Salt & Anhydrite				
1503	1515	10	Salt				
1515	2522	1007	Salt & Anhydrite				
2522	2679	157	Anhydrite, Gypson & Salt				
2679	2703	26	Anhydrite				
2703	3063	360	Lime				
3063	3079	16	Lime & Dolomite				
3079	3114	35	Lime				
3114	3140	26	Lime & Gypsum				
3140	3380	240	Lime - T.D.				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

April 20, 1953

LEONARD OIL COMPANY  
 Company or Operator.....  
 Name..... Eobert J. Leonard

Address..... Box 703, Roswell, N. M.  
 Position or Title..... President

**WARNING**

MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

REQUEST FOR (OIL) - (~~GAS~~) ALLOWABLE

RECEIVED  
New Well  
Recompletion  
APR 14 1953  
OIL CONSERVATION COMMISSION  
SANTA FE, N.M.

This form shall be submitted by the operator before an initial allowable will be assigned to any completed or gas well. Form C-104 is to be submitted in QUADRUPPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

ROSWELL, NEW MEXICO

April 13, 1953

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:  
LEONARD OIL COMPANY

B. M. Justis, Well No. 4, in NE 1/4 NE 1/4,

(Company or Operator)

(Lease)

A

19

T. 25S

R. 37E

NMPM,

Langlie-Mattix

Pool

(Unit)  
Lea

County. Date Spudded 3-13-53

Date Completed 4-7-53

Please indicate location:


Elevation 3098 Total Depth 3380, P.B.

Top oil/gas pay 3280 Top of Prod. Form 3286

Casing Perforations: None or

Depth to Casing shoe of Prod. String 3280

Natural Prod. Test 24 BOPD

based on 4 bbls. Oil in 4 Hrs. Mins.

Hydrafrac Test after acid or shot 11 BOPD

Based on 11 bbls. Oil in 1 Hrs. Mins.

Gas Well Potential

Size choke in inches 10/64

Date first oil run to tanks or gas to Transmission system: 4-7-53

Transporter taking Oil or Gas: SHELL PIPE LINE COMPANY

Casing and Cementing Record

Size Feet Sax

10-3/4"	288'	125
7"	3280	300
2-3/8"	3373	0

Remarks:

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

Approved: \_\_\_\_\_, 19\_\_\_\_

LEONARD OIL COMPANY

(Company or Operator)

OIL CONSERVATION COMMISSION

By: *S. J. Stanley*

Title: \_\_\_\_\_

By: *Robert J. Leonard*

Robert J. Leonard (Signature)

Title: President

Send Communications regarding well to:

Name: LEONARD OIL COMPANY

Address: Box 708, Roswell, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
APR 18 1953

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other) <b>Hydro-Frac</b>	<b>X</b>

April 10, 1953  
(Date)

Roswell, New Mexico  
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Leonard Oil Company  
(Company or Operator)

B. N. Justis  
(Lease)

Rogers, Inc.  
(Contractor)

Well No. 4 in the NE 1/4 NE 1/4 of Sec. 19

T. 25S, R. 37E, NMPM, Langlie-Mattix Pool, Lea County.

The Dates of this work were as follows: April 5, 6, 1953

Notice of intention to do the work (was) ~~was not~~ submitted on Form C-102 on April 4, 1953, 19 and approval of the proposed plan ~~was~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

April 5, 1953: Cleaned hole with 500 gal. mud clean out agent, swabbed hole dry. Small show of oil and gas.

April 6, 1953: Treated section from 3280 to 3380 with 1500 gal gel by Halliburton increase in oil to 15 BOPH on a 10/64 choke- 1 hour test- estimated 150,000 CFGPD.

Witnessed by \_\_\_\_\_ (Name) \_\_\_\_\_ (Company) \_\_\_\_\_ (Title)

Approved: OIL CONSERVATION COMMISSION  
*Roy Yankrough*  
\_\_\_\_\_  
(Name) APR 13 1953  
\_\_\_\_\_  
(Title) (Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.  
*Robert M. Leonard*  
Name Robert M. Leonard - President  
Position \_\_\_\_\_  
Representing Leonard Oil Company  
Address P. O. Box 703, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER) TO HYDRO-FRAC	X	NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

April 4, 1953  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the LEONARD OIL COMPANY

(Company or Operator) Well No. 4 in (Unit)  
NE 1/4 NE 1/4 of Sec. 19, T. 25S, R. 37E, NMPM, Langlie-Mattix Pool  
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

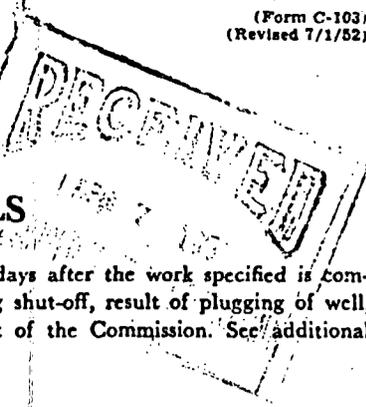
April 5, 1953 - Propose to use 500 gallons mud clean-out agent; swab well dry and treat with 1500 gallons Hydro-frac; work to be done by Halliburton.

Approved \_\_\_\_\_, 19\_\_\_\_  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION  
By: *Roy Yunker*  
Title:

LEONARD OIL COMPANY  
By: *Robert J. Leonard*  
Position: President  
Send Communications regarding well to:  
Name: LEONARD OIL COMPANY  
Address: Box 708, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico



TRIPPLICATE

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

April 6, 1953

Roswell, New Mexico

(Date)

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

LEONARD OIL COMPANY

B. M. Justis

(Company or Operator)

(Lease)

ROGERS, INC.

Well No. 4 in the NE 1/4 NE 1/4 of Sec. 19

(Contractor)

T. 25S, R. 37E, NMPM, Langlie-Mattix Pool, Lea County.

April 3rd-5th, 1953.

The Dates of this work were as follows:

Notice of intention to do the work (was) (was not) submitted on Form C-102 on April 1, 1953.

(Cross out incorrect words)

and approval of the proposed plan (was) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

4-3-53 - Set 3280' of 7", 20#, Casing; used 150 sacks of cement at 3280'; Set two-stage tool @ 1109' and used 150 sacks of cement. Work done by Halliburton; allowed cement to set 48 hours.

4-5-53 - After leaving cement set for 48 hours, 7" casing was tested with 1500# pressure for 30 minutes; no drop in pressure. Drilled plug and tested again for 30 minutes; no drop in pressure. Test considered satisfactory.

Witnessed by \_\_\_\_\_ (Name) \_\_\_\_\_ (Company) \_\_\_\_\_ (Title)

Approved: OIL CONSERVATION COMMISSION

*Ray Yarbrough* (Signature)  
\_\_\_\_\_  
(Name)

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

*Robert J. Leonard* (Signature)

Name: Robert J. Leonard, President

Position: LEONARD OIL COMPANY

Representing: Box 708, Roswell, N. M.

Address: \_\_\_\_\_

(Title)

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
APR 1 1953  
OIL CONSERVATION COMMISSION

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION TO (OTHER) RUN CASING	X

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

April 1, 1953  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the B. M. Justis

LEONARD OIL COMPANY

(Company or Operator)

Well No. 4 in A (Unit)

NE 1/4 NE 1/4 of Sec. 19, T. 25S, R. 37E, NMPM, Langlie-Mattix Pool

(40-acre Subdivision)

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

April 2, 1953 - Propose to run 3280' of 7", 20#, new casing and circulate to surface with 500 sacks of cement.

Approved APR 1 1953, 19.....  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION  
By Roy Zerkowich  
Title.....

LEONARD OIL COMPANY  
Company or Operator  
By Robert J. Leonard  
Position President  
Send Communications regarding well to:  
Name LEONARD OIL COMPANY  
Address Box 708, Roswell, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS 18 1953

Submit this report in TRIPPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	<input checked="" type="checkbox"/>	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

March 17, 1953  
(Date)

Roswell, New Mexico  
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

LEONARD OIL COMPANY

(Company or Operator)

B. M. Justis,

(Lease)

Rogers, Inc.

(Contractor)

Well No. 4 in the NE 1/4 NE 1/4 of Sec. 19

T. 25S, R. 37E, NMPM, Langlie-Mattix Pool, Lea County.

The Dates of this work were as follows: 3-15-53 and 3-16-53

Notice of intention to do the work (was) ~~was not~~ submitted on Form C-102 on March 14, 1953,  
(Cross out incorrect words)

and approval of the proposed plan ~~was~~ (was not) obtained. to date.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

3-15-53: Set 288' of 10-3/4", 32#, casing; circulated with 125 sacks of cement (work done by Halliburton) - allowed cement to set 24 hours.

3-16-53: 9:00 P.M. - Tested for 30 minutes with 1000# pressure, no change; Drilled plug to depth of 293' and tested for 30 minutes with 500# pressure, no change. Cement job considered satisfactory.

Witnessed by \_\_\_\_\_ LEONARD OIL COMPANY \_\_\_\_\_  
(Name) (Company) (Title)

Approved: OIL CONSERVATION COMMISSION

*Roy Yarbrough*  
(Name)  
(Title) \_\_\_\_\_ (Date) \_\_\_\_\_

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

Name: *Lawrence L. Nelson*  
Lawrence L. Nelson  
Position: Secretary-Treasurer  
Representing: LEONARD OIL COMPANY  
Address: Box 708, Roswell, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
MAR 16 1953  
OIL CONSERVATION COMMISSION

MISCELLANEOUS NOTICES

Submit this notice in TRIPPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER) Set Surface Pipe X	

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

March 14, 1953  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the..... H. H. Justice .....

Leonard Oil Company ..... Well No. 4 in A .....  
(Company or Operator) (Unit)

NE  $\frac{1}{4}$  NE  $\frac{1}{4}$  of Sec. 19, T. 25S, R. 37E, NMPM., Langlie-Kattix Pool  
(40-acre Subdivision)

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

March 14, 1953. Morning Propose to set approximately 300' of 10 3/4 329 casing and circulate to the surface.

Approved..... MAR 16 1953 ....., 19.....  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION  
By..... [Signature] .....,  
Title..... [Title] .....

Leonard oil company  
Company or Operator  
By..... [Signature] .....,  
Position..... President .....,  
Send Communications regarding well to:  
Name..... Leonard Oil Company .....,  
Address..... P. O. Box 703, Roswell, New Mexico .....

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECORDED  
MAR 16 1953  
OIL CONSERVATION COMMISSION

DUPLICATE

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS	<input checked="" type="checkbox"/>	REPORT ON RESULT OF TEST OF CASING SHUT-OFF	<input type="checkbox"/>	REPORT ON REPAIRING WELL	<input type="checkbox"/>
REPORT ON RESULT OF PLUGGING WELL	<input type="checkbox"/>	REPORT ON RECOMPLETION OPERATION	<input type="checkbox"/>	REPORT ON (Other)	<input type="checkbox"/>

ROSWELL, NEW MEXICO March 13, 1953  
(Date) (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

LEONARD OIL COMPANY (Company or Operator) B. H. Justis (Lease)

Rogers, Inc., Box 1718, Hobbs, N. M. Well No. 4 in the NE 1/4 NE 1/4 of Sec. 19

T. 25S, R. 37E, NMPM, Langlie-Mattix Pool, Lea County.

The Dates of this work were as follows: Well spudded 3-12-53

Notice of intention to do the work (was) (was not) submitted on Form C-102 on \_\_\_\_\_, 19\_\_\_\_, (Cross out incorrect words)

and approval of the proposed plan (was) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

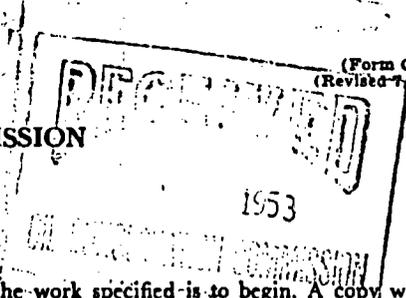
Witnessed by \_\_\_\_\_ (Name) \_\_\_\_\_ (Company) \_\_\_\_\_ (Title)

Approved: OIL CONSERVATION COMMISSION  
*Roy Yankovich*  
\_\_\_\_\_  
(Name)  
\_\_\_\_\_  
(Title)  
MAR 16 1953  
(Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.  
Name: *Robert Leonard*  
Position: President  
Representing: LEONARD OIL COMPANY  
Address: Box 708, Roswell, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS NOTICES



Submit this notice in TRIPPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO DRILL DEEPER	<input type="checkbox"/>
NOTICE OF INTENTION TO PLUG WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG BACK	<input type="checkbox"/>	NOTICE OF INTENTION TO SET LINER	<input type="checkbox"/>
NOTICE OF INTENTION TO SQUEEZE	<input type="checkbox"/>	NOTICE OF INTENTION TO ACIDIZE	<input type="checkbox"/>	NOTICE OF INTENTION TO SHOOT (Nitro)	<input type="checkbox"/>
NOTICE OF INTENTION TO GUN PERFORATE	<input type="checkbox"/>	NOTICE OF INTENTION (OTHER)	<input type="checkbox"/>	NOTICE OF INTENTION (OTHER)	<input type="checkbox"/>

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Roswell, New Mexico  
(Place)

February 27, 1953  
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the R. M. Justia

Leonard Oil Company Well No. A in A  
(Company or Operator) (Unit)

NE 1/4 of Sec. 19, T. 25 S., R. 37E., NMPM., Langlo-Mattix Pool  
(40-acre Subdivision)

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK  
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Propose to use 10-3/4" 32# casing in place of the 9-5/8" 24#, and cement it to the surface. Balance of casing program to remain the same.

Approved 1953, 19.....  
Except as follows:

Approved  
OIL CONSERVATION COMMISSION  
By Roy Yarbrough  
Title

LEONARD OIL COMPANY  
Company or Operator  
By Lawrence Nelson  
Position Secretary-Treasurer  
Send Communications regarding well to:  
Name Leonard Oil Company  
Address Box 703 - Roswell, New Mexico

MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL ~~OR RECOMPLETE~~

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

**ROSWELL, NEW MEXICO**  
(Place)

**February 20, 1953**  
(Date)

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

*Order R-282*

Gentlemen:

You are hereby notified that it is our intention to commence the (Drilling) (Recompletion) of a well to be known as  
**LEONARD OIL COMPANY**

(Company or Operator)

**B. M. Justis**

Well No. **4**

**A**

The well is

located **925** feet from the **East** line and **255** feet from the

**North**

line of Section **19**, T **25S**, R **37E**, NMPM.

(GIVE LOCATION FROM SECTION LINE)

**Langlie-Mattix**

Pool,

**Lea**

County

If State Land the Oil and Gas Lease is No.

If patented land the owner is **B. M. Justis, et al**

Address

We propose to drill well with drilling equipment as follows:

**Rotary to total depth**

The status of plugging bond is **Blanket Bond**

D	C	B	A
E	F	G	H
L	K	I	J

This unorthodox location given verbal approval by Bill Macey 2-24-53

Complete this well in the **Queen** approximate depth of **3400'** feet.

PLUGGING PROGRAM

Size of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
12	9-5/8	24#	New	200'	100 BX
8-3/4	7"	20#	New	3300'	150 BX

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

FEB 21 1953

Approved.....  
Except as follows:

*[Signature]*, 1953

Sincerely yours,

**LEONARD OIL COMPANY**

(Company or Operator)

By **Robert J. Leonard**

Position **President**

Send Communications regarding well to

Name **LEONARD OIL COMPANY**

Address **Box 708**

**Roswell, New Mexico**

OIL CONSERVATION COMMISSION

By *[Signature]*

Title **& Gas Inspector**