

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 (x) standard () nonstandard; if nonstandard, said unit was previously approved by Order No. NA.

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

(7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

RECEIVED 11/8/85
APPROVE 3/17/86
M. Stagner
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
54/100 Location: Unit E/A Sec. 20/19 Twp. 25 South Rng. 37 East Cty. Lca

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.I.) 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, & Seavall 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.

DONE at Santa Fe, New Mexico, on this 13 day of March, 19 86.

DIVISION DIRECTOR

EXAMINER X

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.

(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. 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 ^{Well #4} 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.

(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 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 (x) standard () nonstandard; if nonstandard, said unit was previously approved by Order No. NA.
- (6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.
- (7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 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.

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;

SECRETARY OF THE
TREASURY

WASHINGTON, D.C.

DEPARTMENT OF THE TREASURY

OFFICE OF THE SECRETARY

UNITED STATES GOVERNMENT

1964

RECEIVED
JAN 10 1964
U.S. DEPARTMENT OF THE TREASURY
OFFICE OF THE SECRETARY

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.

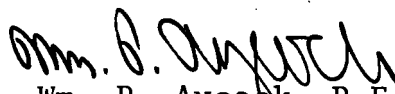
Gas Production History Tabulation and Graph for Bettis, Boyle and Stovall B. M. Justis "B" 4 (the pre-existing well).

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 & 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 <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		
b. Type of Well		
DRILL <input checked="" type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	OTHER <input type="checkbox"/>
SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		

7. Unit Agreement Name
8. Farm or Lease Name
B. M. Justis
9. Well No.
12

2. Name of Operator		
Doyle Hartman		
3. Address of Operator		
Post Office Box 10426 Midland, Texas 79702		

10. Field and Pool, or Wildcat
Jalmat Oil

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

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	21B. Drilling Contractor
Multi-Well Approved	Not Selected
22. Approx. Date Work will start	
August 1984	

12. County	
Lea	

23.

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

ON ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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 SEBASTIAN TITLE STATE ENGINEER DATE SEP 6 1984

CONDITIONS OF APPROVAL, IF ANY:

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

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

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

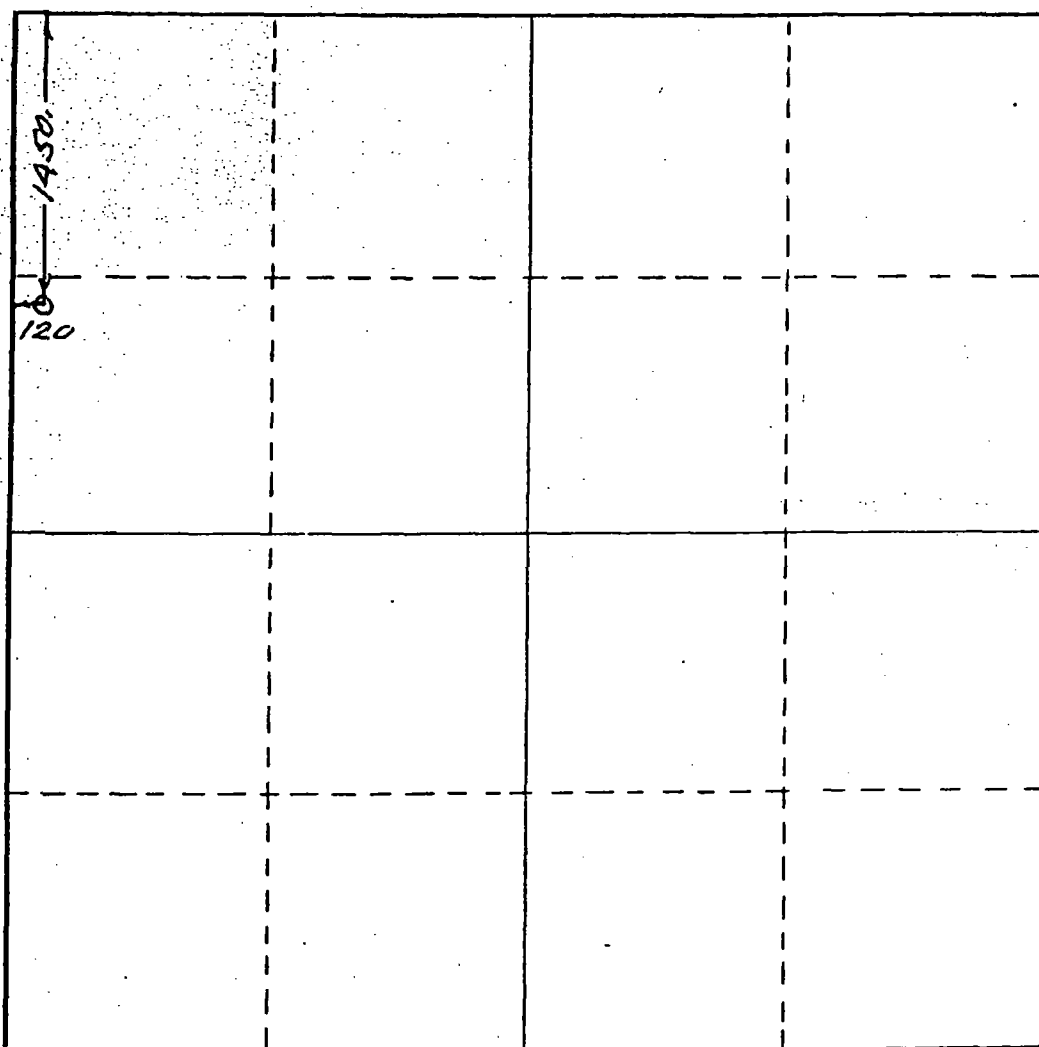
Operator Doyle Hartman Oil Operator			Lease B.M. Justis		Well No. 12
Unit Letter E	Section 20	Township 25 South	Range 37 East	County Lea	
Actual Footage Location of Well: 1450 feet from the North line and 120 feet from the West line.					
Ground Level Elev. 3074.0	Producing Formation Seven Rivers		Pool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

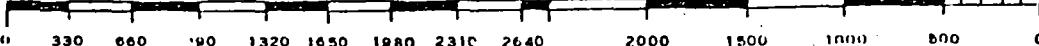
Registered Professional Engineer
and/or Land Surveyor

Truman Gaskin

Truman Gaskin

Certificate No.

2126



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

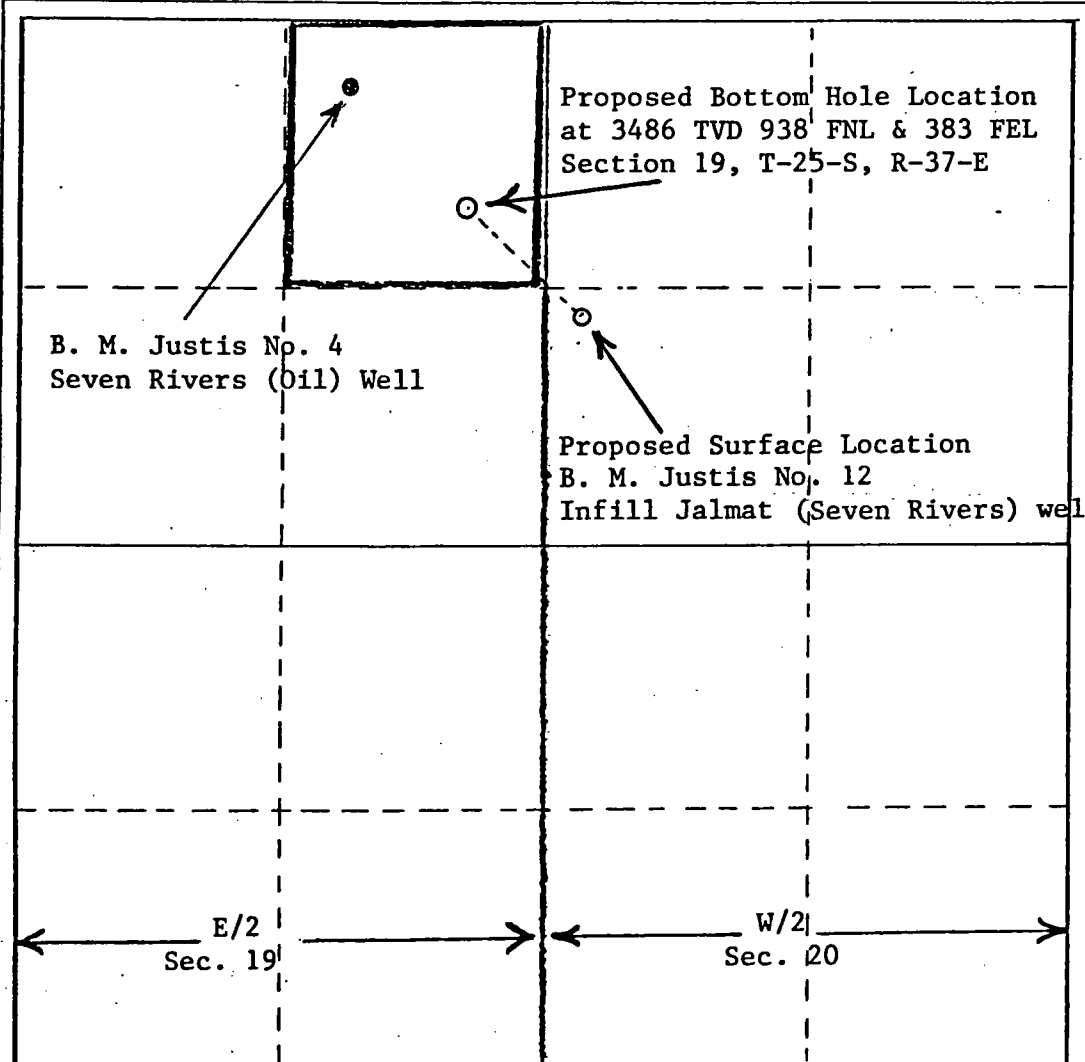
Operator Doyle Hartman Oil Operator			Lease B. M. Justis		Well No. 12
Unit Letter E	Section 19 & 20	Township 25 South	Range 37 East	County Lea	
Actual Footage Location of Well: 1450 feet from the North line and 120 feet from the West line					
Ground Level Elev. 3074.0	Producing Formation Seven Rivers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

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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.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 C



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.

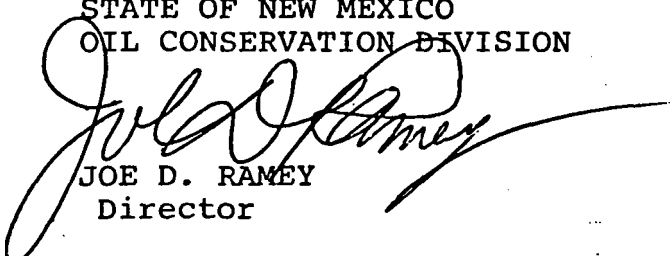
(2) That Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(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.

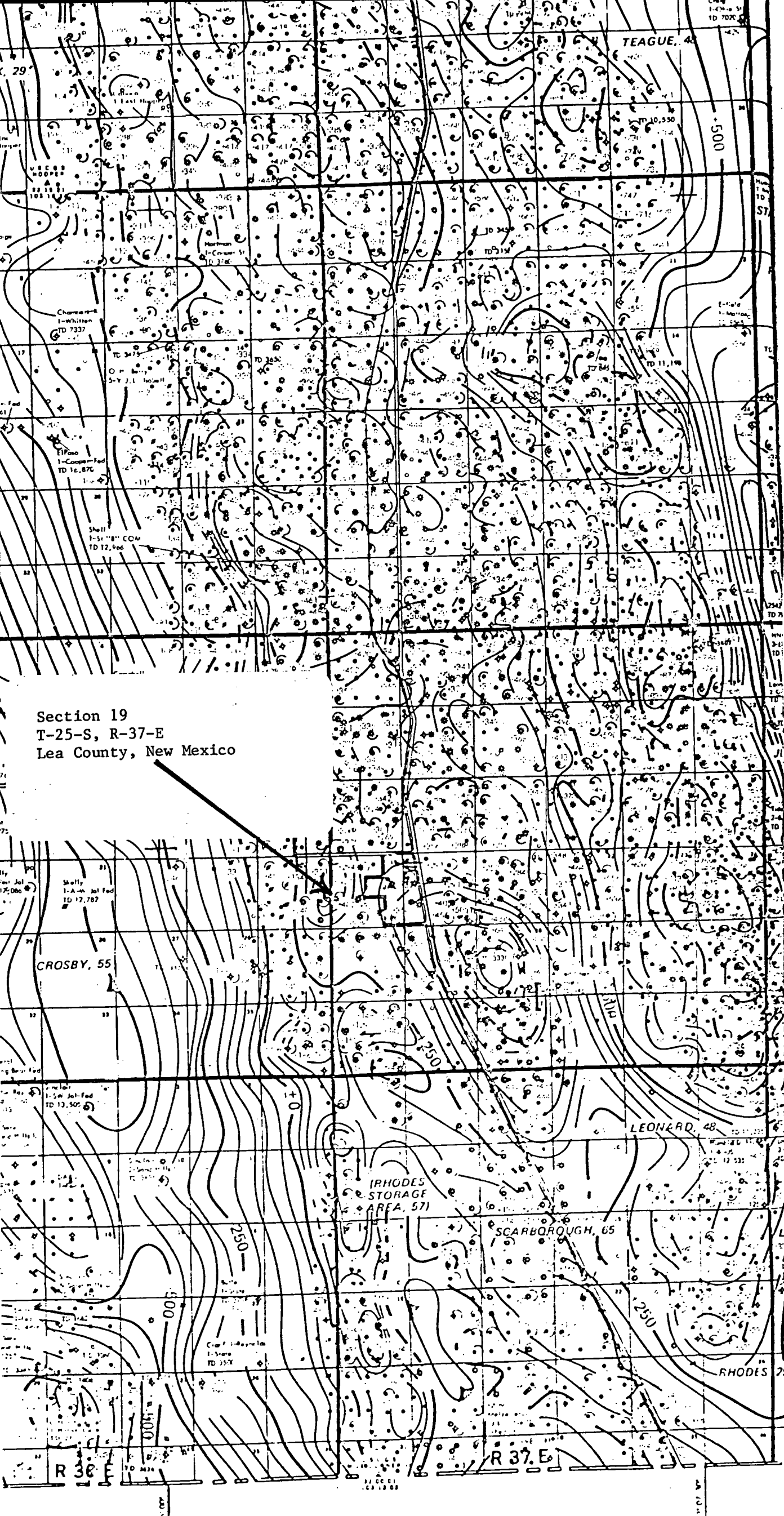
DONE at Santa Fe, New Mexico, on the day and year
hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



JOE D. RAMEY
Director

S E A L



COMPANY DOYLE HARTMANWELL B.M. JUSTIS No. 12FIELD Jalmar (Oil)LOCATION 1450 FNL & 120 FWL (E)
SECTION 20, T-25-S, R-37-E
(25-37-20-E)COUNTY LEASTATE NEW MEXICO

ELEVATIONS:

KB

DF

GL 3074

COMPLETION RECORD

SPUD DATE 9-6-84 COMP. DATE 9-23-84TD 3680 MD PBTD 3602 MDCASING RECORD 9 5/8 @ 430 W/300
7 @ 3679 W/850PERFORATING RECORD Perf: 3382-3417 W/15
(3266-3301)STIMULATION A/4150IP IPF = 4BOPD + 15 MCOPD + 12 BWPDGOR 3750

GR

TP

CP

CHOKE 48/64 TUBING 2 3/8 @ 3536

REMARKS

(3418)

(142 x 64 x 10)

Doyle Hartman
B.M. Justis No. 12
E-20-25S-37ECompletion
3382-3417(MD)
(3266-3301 TVD)

PBTD@ 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

PAGE 1

LEASE NAME B M JUSTIS B

LOCATION 19A259 37E

DWIGHTS ID # 30223537E19A00YS

FIELD - JALMAT TANSILL YATES SEVEN RIVERS YS

PRORATION UNIT # - 15115

WELL 4

OPER BETTIS BOYLE & STOWALL

CUMES DATES - LIQUID

0/69/12

CUMES - LIQUID

0/69/12

79149 LIQ GATHERER

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

DMTIGHTS ENERGY DATA SYSTEM

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

PAGE 2

LEASE NAME B M JUSTIS B

LOCATION 19A25S 37E

DMTIGHTS-ID # 30225S37E19A00YS

FIELD - JALMAT TANSILL YATES SEVEN RIVERS YS

PRORATION UNIT # - 15115

WELL

OPER BETTIS BOYLE & STOWALL

CUMEDATES - LIQUID

0/69/12

CUMES - LIQUID

0/69/12

79149 LIQ GATHERER

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 ENERGY DATA SYSTEM

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

PAGE 3

LEASE NAME B M JUSTIS B

LOCATION 19A258 37E

DMIGHTS ID # 30225S37E19A00YS

FIELD - JALMAT TANSILL YATES SEVEN RIVERS YS

PRORATION UNIT # - 15115

WELL 4

OPER BETTIS BOYLE & STOVALL

CUMES DATES - LIQUID

GAS

0/69/12

CUMES - LIQUID

GAS

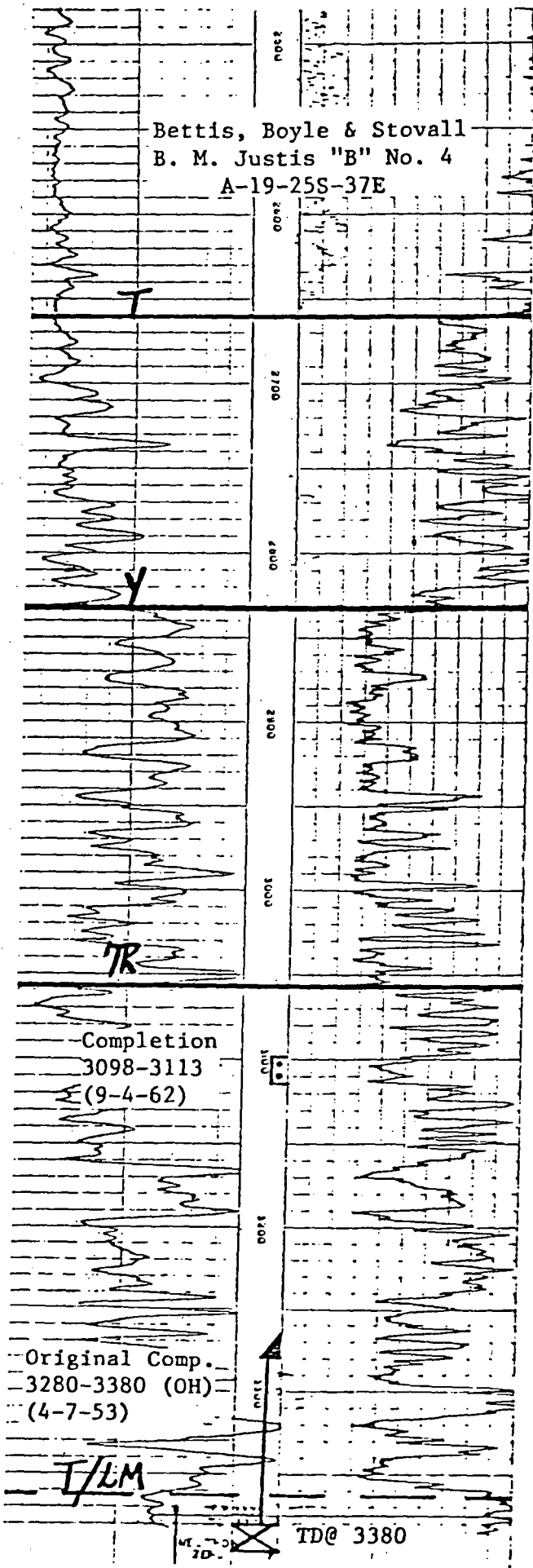
79149 LIQ GATHERER

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	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 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 @ 33

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		
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NTA FE		
LE		
S.G.S.		
ND OFFICE		
ERATOR		

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name B.M. Justice <i>B</i>	
9. Well No. 4	
10. Field and Pool, or Wildcat Jalmat Yates Seven Rivers Tansil	
12. County Lea	

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

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 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 *[Signature]* TITLE Petroleum Engineer DATE 9-15-76

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

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
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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)

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

Box 1031

Midland, Texas

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
R. M. Justis B	4	Jalmat Yates SR. Tansill	State, Federal or Fee Fee	
Location				
Unit Letter		Feet From The	Line and	Feet From The
A	225	North	925	East
Line of Section	Township	Range	NMPM	County
19	25S	37E	Len	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

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

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]
Bettis

B. M. Bettis

Box Agent
(Title)

October 28, 1970
(Date)

OIL CONSERVATION COMMISSION

APPROVED

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 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.

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-
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)

New Well

☐

Change in Transporter of:

Recompletion

☐

Oil

☐

Dry Gas

☐

Change in Ownership

☐

Casinghead Gas

☐

Condensate

☐

Other (Please explain)

Change name of lease from B.M. Justis

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease
B.M. Justis B	4	Jalmat, Y. Sr. Tans	State, Federal or Fee
Location			
Unit Letter	A	255 Feet From The north Line and 925 Feet From The east	
Line of Section	19	Township 25-S Range 37-E, 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"/>	Address (Give address to which approved copy of this form is to be sent)
Shell Pipe Line Company	Box 1910, Midland, Texas
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)
El Paso Natural Gas Company	Box 1384, Jal, New Mexico
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
A 19 25-S 37-E	yes 8-1953

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)

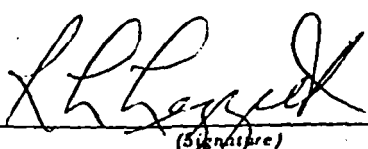
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, 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

(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.

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

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 <input type="checkbox"/>	Change in Transporter of <input type="checkbox"/>
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"/>
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 Jalmat, Y. SR. Tans.	Kind of Lease State, Federal or Fee Fee
Location Unit Letter A : 255 Feet From The North Line and 925 Feet From The East			
Line of Section 19 , Township 25-S Range 37-E , 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"/>	Address (Give address to which approved copy of this form is to be sent)
Shell Pipe Line Company	Box 1910 Midland, Texas
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)
El Paso Natural Gas Company	Box 1384, Jal, New Mexico
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
A 19 25S 37E	yes 8-1953

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)

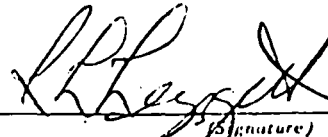
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

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

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
(Title)
October 1, 1965
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, IS
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 35
(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 Jalmat

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 [Signature]
Title _____
Date _____

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

Name [Signature]
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 MEXICORoswell, 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 1/4 NE 1/4 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.

Approved....., 19.....
Except as follows:Approved
OIL CONSERVATION COMMISSIONBy.....
Title.....

LEONARD OIL COMPANY
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 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

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
(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

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		

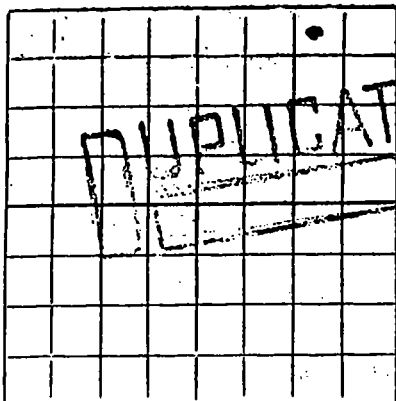
Witnessed by _____ LEONARD OIL COMPANY
(Company)

OIL CONSERVATION COMMISSION

Name E. Fischer
Title Engineer District 1
Date _____

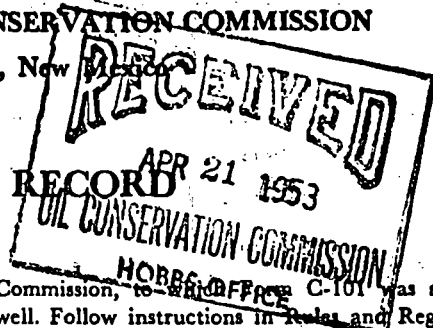
I hereby certify that the information given above is true and complete to the best of my knowledge.

Name Robert D. [Signature]
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, was 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

B. M. Justice

(Company or Operator)

(Lease)

Well No. **4** in **NE** $\frac{1}{4}$ of **NE** $\frac{1}{4}$ of Sec. **19** T. **23** R. **37E**, NMPM.
Langlie-Hattix Pool, **Lea** 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** Drilling was Completed **April 7, 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 3236 to 3296 Gas	No. 4, from _____ to _____
No. 2, from 3316 to 3330 Oil	No. 5, from _____ to _____
No. 3, from 3338 to 3360 Oil	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"	283'	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 **3380'**

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
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 2835	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, Gypsum & 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. Robert J. Leonard
Name. Robert J. Leonard

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

MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

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 QUADRUPLICATE 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

APR 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. 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.

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 (Signature) President

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) Hydro-Frac	X

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) ~~XXXX~~ submitted on Form C-102 on April 4, 1953, 19

(Cross out incorrect words)

and approval of the proposed plan ~~XXXX~~ (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)

(Title)

(Date)

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

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 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
(40-acre Subdivision)
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

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

(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

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

Name: Robert J. Leonard, President

Position: LEONARD OIL COMPANY

Representing: Box 708, Roswell, N. M.

Address: _____

(Name)

(Date)

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 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 _____, 19____
Except as follows: APR 1 1953

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 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	<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) ~~XXXX~~ 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 *Laurence L. Nelson*
Laurence 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) 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 **B. M. Justis**
Leonard Oil Company Well No. **4** in **A**
(Company or Operator) (Unit)
NE 1/4 NE 1/4 of Sec. 19, T. 25S, R. 37E, NMPM, Langlie-Hattix 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 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

DUPLICATE MISCELLANEOUS REPORTS ON WELLS

MAR 16 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	<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 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 3-13-53

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

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

Name _____

Position _____

Representing _____

Address _____

(Title)

(Date)

MAR 16 1953

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	<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. JustizLeonard Oil Company

(Company or Operator)

Well No. 4 in A

(Unit)

NE 1/4 NE 1/4 of Sec. 19, T. 25 S., R. 37 E., NMPM., Langlie-Hattix 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 COMMISSIONBy Roy Yarbrough
Title _____LEONARD OIL COMPANY

Company or Operator

By Lawrence L. NelsonPosition Secretary-Treasurer

Send Communications regarding well to:

Name Leonard Oil CompanyAddress 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

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 **235** feet from the **North** line of Section **19**, T. **25S**, R. **37E**, NMPM.

(GIVE LOCATION FROM SECTION LINE) **Langlie-Mattix** Pool, **Lea** County

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

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**

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

Complete this well in the **Queen**

approximate depth of **3400'** feet.

ING 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:

7-20, 19**53**

OIL CONSERVATION COMMISSION

By **Ray G. Hershberg**
Title **& Gas Inspector**

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

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.

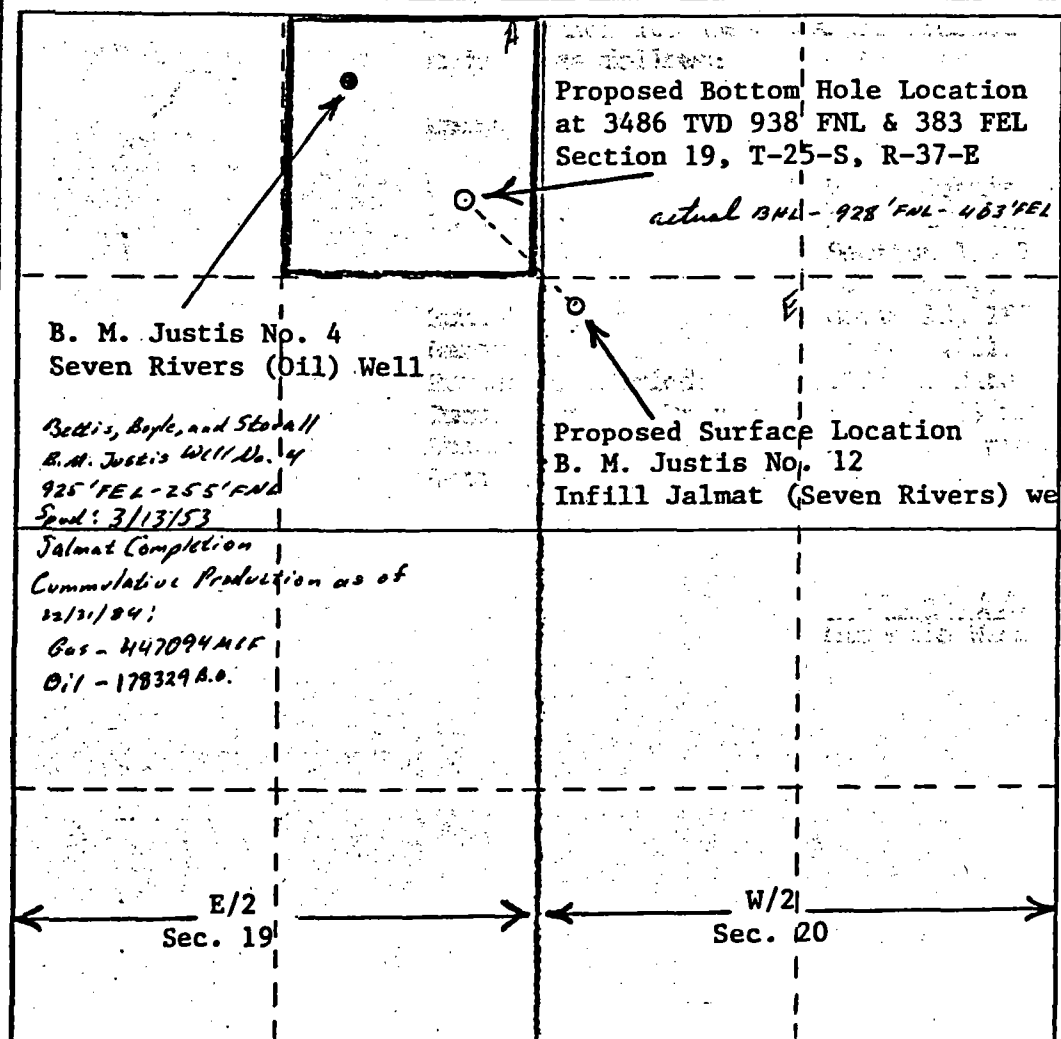
Operator Doyle Hartman Oil Operator			Lessee B. M. Justis		Well No. 12
Unit Letter E	Section 19 & 20	Township 25 South	Range 37 East	County Lea	
Actual Footage Location of Well: 1450 feet from the North line and 120 feet from the West line					
Ground Level Elev. 3074.0	Producing Formation Seven Rivers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

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

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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

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



CERTIFICATION

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

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.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500

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.

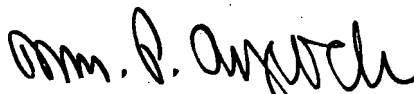
Gas Production History Tabulation and Graph for Bettis, Boyle and Stovall B. M. Justis "B" 4 (the pre-existing well).

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 & 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 <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name B. M. Justis	
2. Name of Operator Doyle Hartman		9. Well No. 12	
3. Address of Operator Post Office Box 10426 Midland, Texas 79702		10. Field and Pool, or Wildcat Jalmat Oil	
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		12. County Lea	
19. Proposed Depth 3486 TVD		19A. Formation Seven Rivers	
21. Elevations (Show whether DF, RT, etc.) 3074 G. L.		20. Rotary or C.T. Rotary	
21A. Kind & Status Plug. Bond Multi-Well Approved		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 PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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 ORIGINAL SIGNED 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.

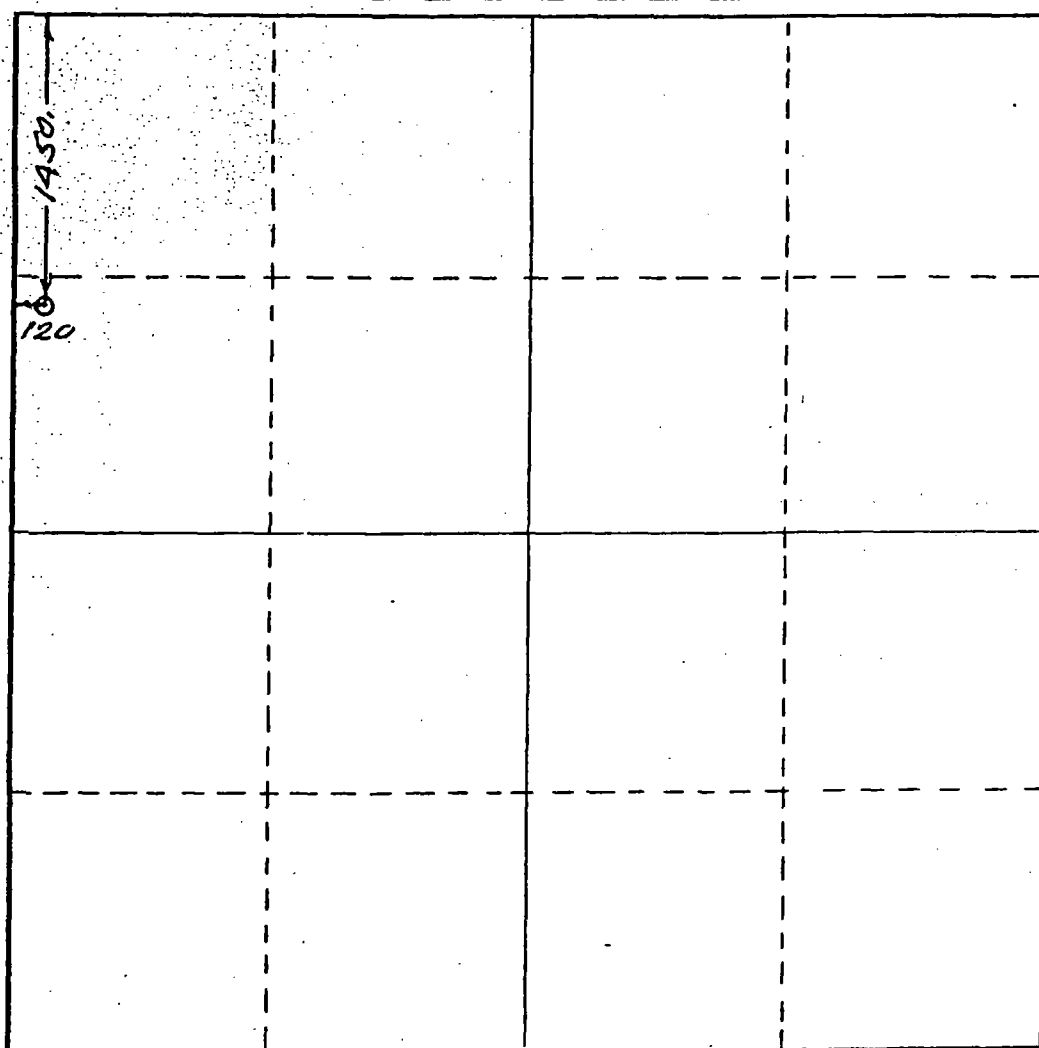
Operator Doyle Hartman Oil Operator			Lease B.M. Justis		Well No. 12
Unit Letter E	Section 20	Township 25 South	Range 37 East	County Lea	
Actual Footage Location of Well: 1450 feet from the North line and 120 feet from the West line					
Ground Level Elev. 3074.0	Producing Formation Seven Rivers		Pool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

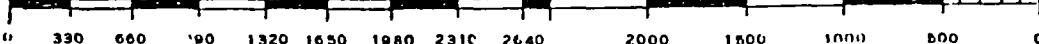
Registered Professional Engineer and/or Land Surveyor

Truman Gaskin

Truman Gaskin

Certificate No.

2126



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

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

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

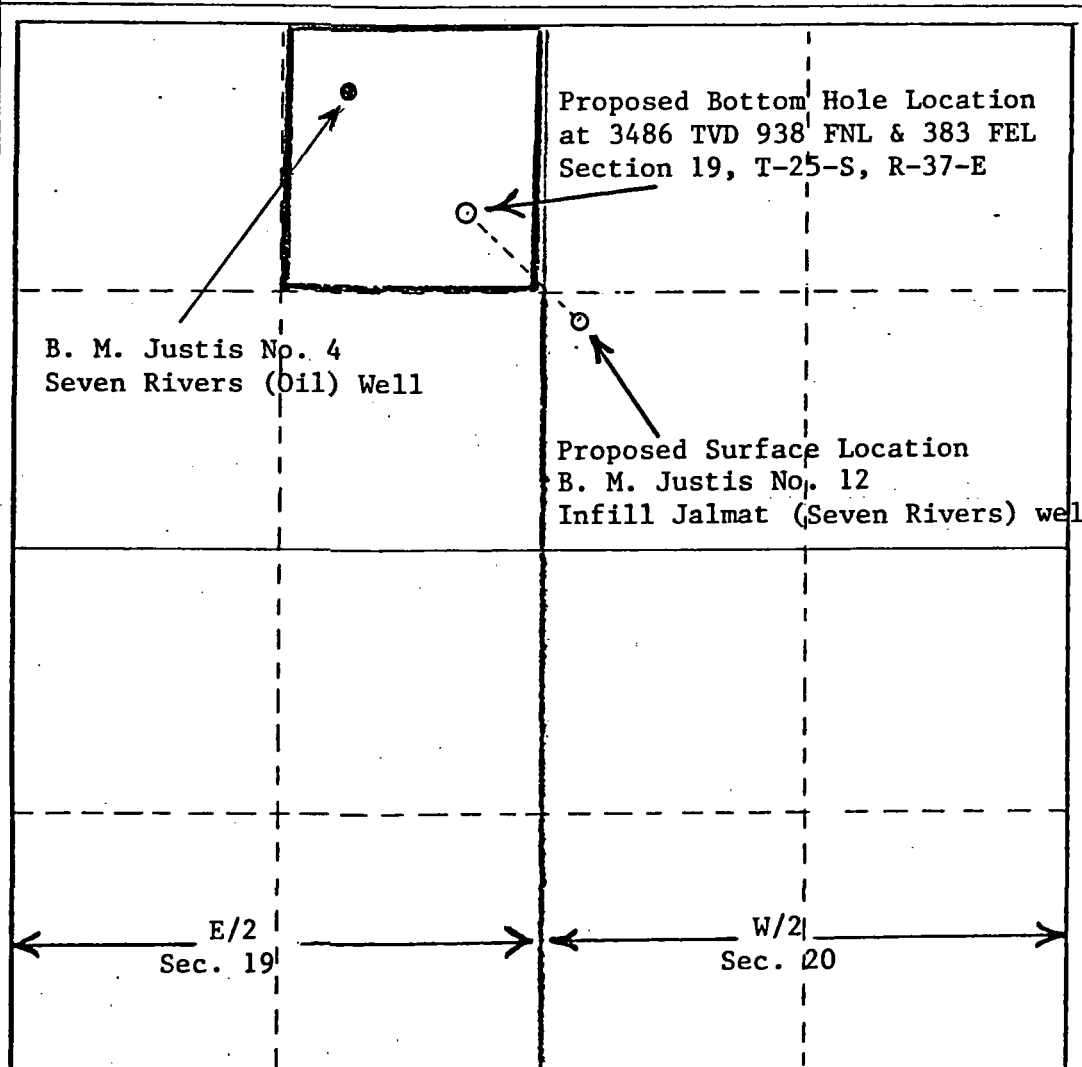
Operator Doyle Hartman Oil Operator			Lease B. M. Justis		Well No. 12
Unit Letter E	Section 19 & 20	Township 25 South	Range 37 East	County Lea	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1450 feet from the North line and 120 feet from the West line 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

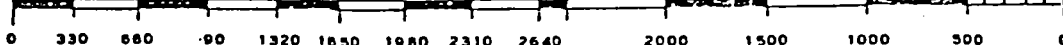
July 10, 1984

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.



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.

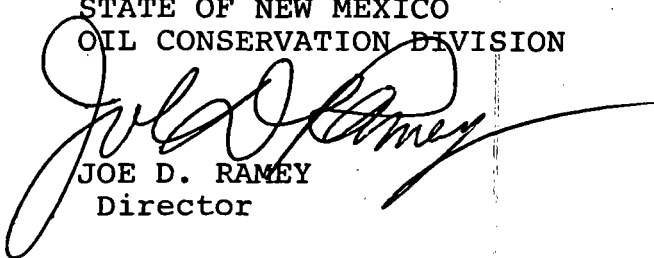
(2) That Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(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.

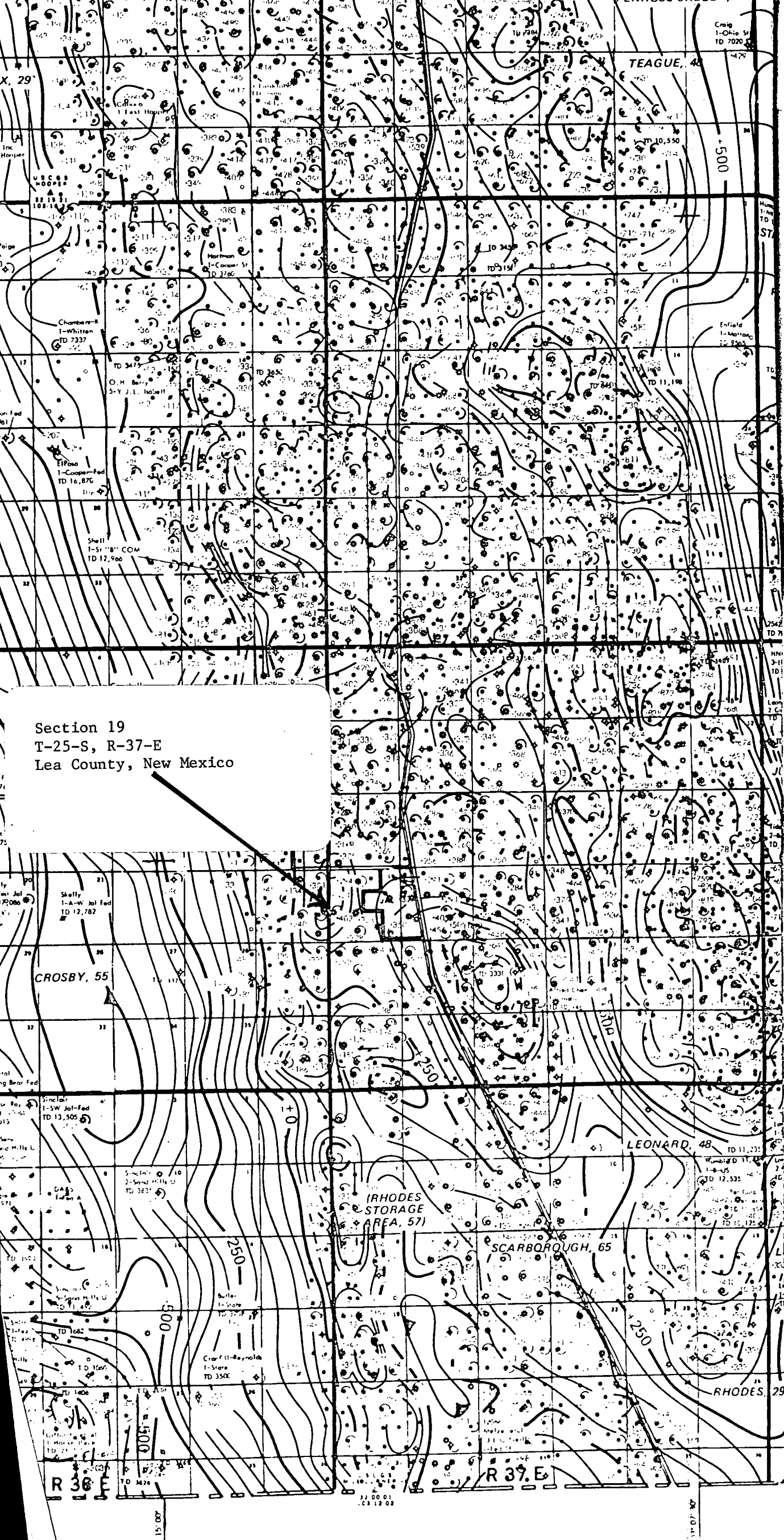
DONE at Santa Fe, New Mexico, on the day and year
hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



JOE D. RAMEY
Director

S E A L



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

CROSBY, 55

R 36 E

(RHODES
STORAGE
AREA, 57)

SCARBOROUGH, 65

R 37 E

LEONARD, 48

RHODES, 29

TEAGUE, 48

500

250

300

250

500

500

COMPANY DOYLE HARTMANWELL B.M. JUSTIS No. 12FIELD Jalmaf (Oil)LOCATION 1450 FNL & 120 FWL (E)
SECTION 20, T-25-S, R-37-E
(25-37-20-E)COUNTY LEASTATE NEW MEXICO

ELEVATIONS:

KB

DF

GL

3074

COMPLETION RECORD

SPUD DATE 9-6-84 COMP. DATE 9-23-84TD 3680 MDPBTD 3602 MDCASING RECORD 9 5/8 @ 430 w/3007 @ 3679 w/850PERFORATING RECORD Perf: 3382-3417 w/15
(3266-3301)STIMULATION A/4150IP IPF = 4BOPD + 15MCFPD + 12BWPDGOR 3750

GR

TP

CP

10

CHOKE

48/64

TUBING

2 3/8@ 3536

REMARKS

(3418)(142 x 64 x 10)Doyle Hartman
B.M. Justis No. 12
E-20-25S-37E

2500

2700

2900

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

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32000

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32500

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32700

32800

32900

33000

33100

33200

33300

DMT12048

DOYLE HARTMAN, OIL OPERATOR

DIGHTS ENERGY DATA SYSTEM

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

PAGE 1

LEASE NAME B H JUSTIS B

LOCATION 19A258 37E

DIGHTS ID # 30225337E19A00YS

FIELD - JALPAT TAMSILL YATES SEVEN RIVERS YS

PRORATION UNIT # - 15115

WELL

OFFER BETTIS BOYLE & STOVALL

CUMES DATES - LIQUID

GAS

0/69/12

0/69/12

CUMES - LIQUID

GAS

79149 LTO GATHERER

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	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

DWT12048

DOYLE HARTMAN, OIL OPERATOR

DOWLIGHTS ENERGY DATA SYSTEM

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

PAGE 2

LEASE NAME B M JUSTIS B

LOCATION 19A25S 37E

DOWLIGHTS-ID # 30225337E19A00YS

FIELD - JALMAT TAMSILL YATES SEVEN RIVERS YS

PRORATION UNIT # - 15115

WELL 4

OPER BETTIS BOYLE & STOWALL

CUMES DATES - LIQUID

GAS

0/69/12

CUMES - LIQUID

GAS

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	1155	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

INT13048

DOYLE HARTMAN, OIL OPERATOR
DWIGHTS ENERGY DATA SYSTEM

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

PAGE 3

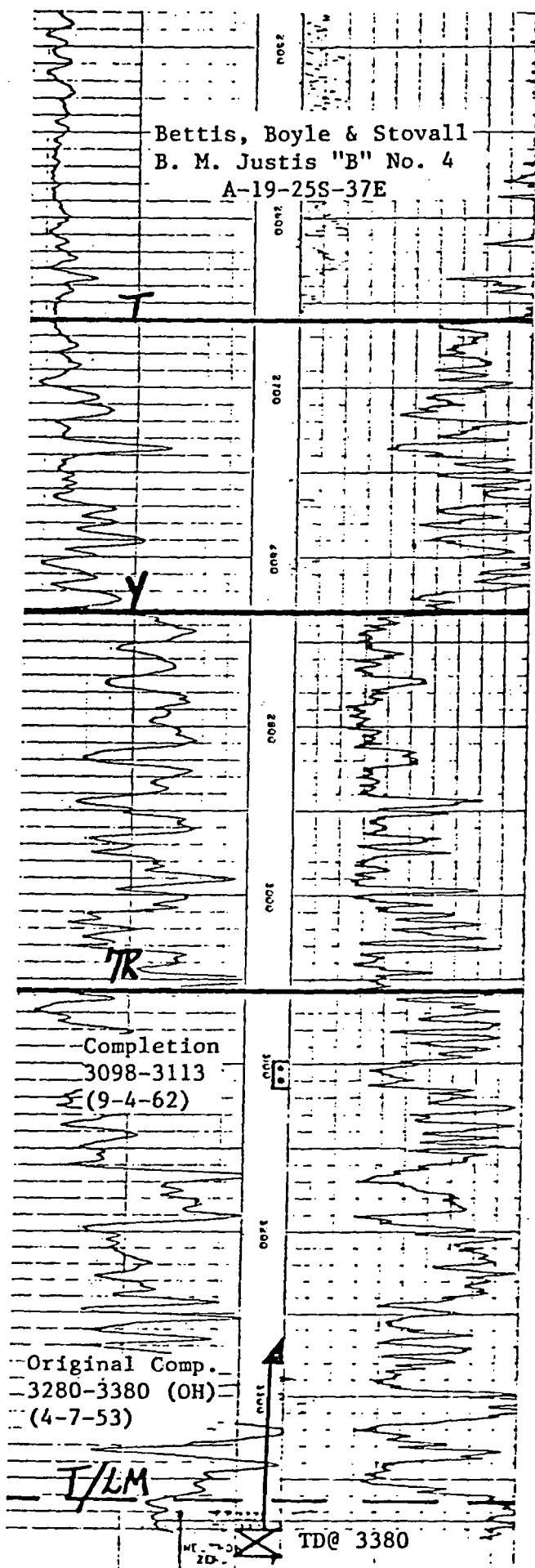
LEASE NAME B M JUSTIS B
WELL 4
OPER BETTIS BOYLE & STOWALL

LOCATION 19A255 37E DWIGHTS ID # 30225537E19A00YS FIELD - JALMAT TANSILL YATES SEVEN RIVERS YS PRORATION UNIT # - 15115

CUMES DATES - LIQUID 0/69/12 CUMES - LIQUID 79149 LIQ 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



A-19-25S-37E

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	CH: 3280-3380		
STIMULATION	Hydrofrac/1500		
IP	IPF/11 BOPH		
GOR		GR	
TP		CP	
CHOKE	10/64	TUBING	2 3/8 @ 33
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		

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

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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
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 ☒PLUG AND ABANDON ☐REMEDIAL WORK ☒ALTERING CASING ☐TEMPORARILY ABANDON ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☐WELL OR ALTER CASING ☐CASING TEST AND CEMENT JOB ☐CHANGE PLANS ☐OTHER ☐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 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

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

SIGNED Larry D. SextonTITLE Petroleum EngineerDATE 9-15-76APPROVED BY Orig. Signed by
Jerry Sexton

TITLE

DATE SEP 20 1976

CONDITIONS OF APPROVAL, IF ANY:

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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 Bettis, Boyle & Stovall	
Address Box 1168 Graham, Texas 76046	
Reason(s) for filing (Check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of:
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"/>
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 B. M. Justis B	Well No. 4	Pool Name, including Formation Jalnat Yates SR, Tansill	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter A ; 255 Feet From The North Line and 925 Feet From The East				
Line of Section 19 Township 25S Range 37E , NMPM, Len 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"/> 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 A	Sec. 19
	Twp. 25S	Rge. 37E
	Is gas actually connected? yes When unknown	

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.

B. M. Bettis
(Signature)

Rex Agent
(Title)

October 28, 1970
(Date)

OIL CONSERVATION COMMISSION

APPROVED **NOV 10 1970**, 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 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 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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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 <input type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Change name of lease from B.M. Justis

If change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name B.M. Justis B	Well No. 4	Pool Name, including Formation Jalmat, Y. Sr. Tans	Kind of Lease State, Federal or Fee
Location Unit Letter A, 255 Feet From The north Line and 925 Feet From The east Line of Section 19, Township 25-S, Range 37-E, 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"/> 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 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 A, Sec. 19, Twp. 25-S, Rge. 37-E	Is gas actually connected? yes	When 8-1953	

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)

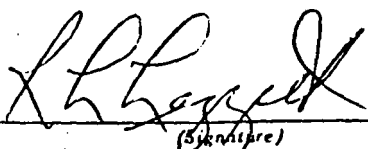
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

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

1. CERTIFICATE OF COMPLIANCE

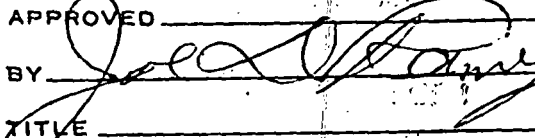
I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.


R.L. Leggett

District Office Supervisor
(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.

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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)

New Well ☐ Change in Transporter of ☐
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☒ Casinghead Gas ☐ Condensate ☐

Other (Please explain)

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 Jalmet, Y. SR. Tans.	Kind of Lease State, Federal or Fee
Location Unit Letter A ; 255 Feet From The North Line and 925 Feet From The East Line of Section 19 , Township 25-S Range 37-E , 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"/> 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 A Sec. 19 Twp. 25S Rge. 37E	Is gas actually connected? When yes 8-1953

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)

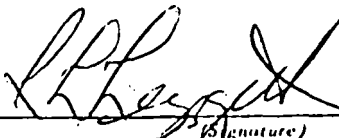
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/M/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

(Title)

October 1, 1965

(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 Jalmat

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 [Signature]
Title [Signature]
Date [Signature]

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

Name [Signature]
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 MEXICORoswell, 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 B.M. JUSTIS Well No. 4 in A
(Company or Operator) Lessee (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.

Approved....., 19.....
Except as follows:Approved
OIL CONSERVATION COMMISSIONBy.....
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

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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
(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 000

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 _____

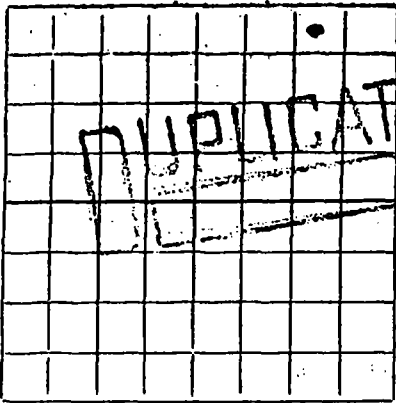
LEONARD OIL COMPANY
(Company)

OIL CONSERVATION COMMISSION

Name E. Fischer
Title Engineer District 1
Date _____

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

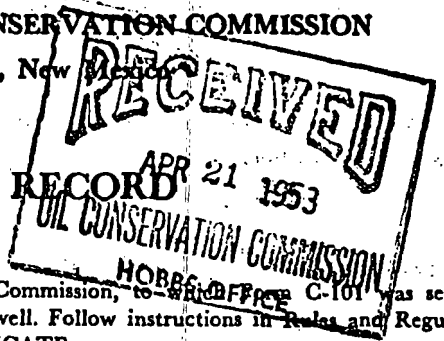
Name Robert G. [Signature]
Position President
Company Leonard Oil Company



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



Mail to District Office, Oil Conservation Commission, to District Office C-101 was 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

B. M. Justice

(Company or Operator)

(Lease)

Well No. **4** in **NE** $\frac{1}{4}$ of **NE** $\frac{1}{4}$, of Sec. **19**, T. **25N**, R. **37E**, NMPM.
Langlie-Hattix 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, 53**, 19 Drilling was Completed **April 7, 53**, 19

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 3236 to 3296 Gas	No. 4, from 3316 to 3330 Oil
No. 2, from 3316 to 3330 Oil	No. 5, from 3338 to 3360 Oil
No. 3, from 3338 to 3360 Oil	No. 6, from 3360 to 3380 Oil

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"	283'	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 **3380'**

ORD OF DRILL-STEM AND SPECIAL T

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	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 Robert J. Leonard
Name Robert J. Leonard

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

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
REQUEST FOR (OIL) - (GAS) ALLOWABLE

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 QUADRUPLICATE 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

APR 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

(Unit)
Lea

Sec. 19

T. 25S

R. 37E

NMPM.

Langlie-Mattix

Pool

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.

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

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)

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

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) Hydro-Frac	X

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) ~~XXXXX~~ submitted on Form C-102 on April 4, 1953, 19

(Cross out incorrect words)

and approval of the proposed plan ~~XXXX~~ (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)

(Title)

APR 13 1953

(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

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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
(40-acre Subdivision)
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

By Robert J. Leonard
Position President
Send Communications regarding well to:

LEONARD OIL COMPANY

Name _____
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	<input checked="" type="checkbox"/>	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

(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.

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
(Name)
(Signature)
(Date)

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

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

MISCELLANEOUS NOTICES

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Indicate Nature of Notice by Checking Below

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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 MEXICORoswell, 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. JustisLEONARD OIL COMPANY

(Company or Operator)

Well No. 4 in A
(Unit)NE $\frac{1}{4}$ NE $\frac{1}{4}$ 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 COMMISSIONBy Roy Zerkowich

Title _____

LEONARD OIL COMPANY

(Company or Operator)

By Robert J. LeonardPosition President

Send Communications regarding well to:

Name LEONARD OIL COMPANYAddress Box 708, Roswell, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS 18 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	<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)

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

Lawrence L. Nelson
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

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 MEXICORoswell, New Mexico
(Place)March 14, 1953
(Date)

Gentlemen:

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

Leonard Oil Company

(Company or Operator)

Well No. 4 in A (Unit)

NE 1/4 SE 1/4 of Sec. 19, T. 25S, R. 37E, NMPM., Longlie-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 32 casing and circulate to the surface.

Approved..... MAR 16 1953, 19.....
Except as follows:Approved
OIL CONSERVATION COMMISSIONBy: Roy Garbrough
Title: District Office

Leonard oil company

Company or Operator

By: Robert D. Leonard

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

DUPLICATE

MISCELLANEOUS REPORTS ON WELLS

MAR 16 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	<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

(Date)

March 13, 1953

(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 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 3-13-53

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 Yankovsky
(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 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	<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. JustiaLeonard Oil Company

(Company or Operator)

Well No. 4

in

A

(Unit)

NE 1/4

(40-acre Subdivision)

NE 1/4 of Sec. 19T. 25 S.R. 37 E.

NMPM,

Langlio-Mattix

Pool

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 COMMISSIONBy Roy Yarbrough

Title _____

LEONARD OIL COMPANY

Company or Operator

By Laurence NelsonPosition Secretary-Treasurer

Send Communications regarding well to:

Name Leonard Oil CompanyAddress 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

February 20, 1953

(Place)

(Date)

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

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**

(Lease)

(Unit)

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.

ING PROGRAM

Program 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 SX
8-3/4	7"	20#	New	3300'	150 SX

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:

7-20, 19**53**

OIL CONSERVATION COMMISSION

By **Ray G. Hershberg**
Title **& Gas Inspector**

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