

INFILL DRILLING FINDINGS PURSUANT TO
SECTION 271.305(b) OF THE FEDERAL ENERGY REGULATORY
COMMISSION REGULATIONS, NATURAL GAS POLICY ACT OF 1978
AND OIL CONSERVATION DIVISION ORDER NO. R-6013-A

I.

Operator Doyle Hartman Well Name and No. B. M. Justis No. 10

Bottom-Hole

Location: Unit H Sec. 19 Twp. 25-S Rng. 37-E Cty. Lea County

This well was directionally drilled, surface location is Unit E, Sec. 20, T-25-S

II.

R-37-E, Lea County.

THE DIVISION FINDS:

(1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.

(2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.

(3) That the well for which a finding is sought is completed in the Jalmat (Gas) Pool
Pool, and the standard spacing unit in said pool is 640 acres.

(4) That a 80-acre proration unit comprising the E/2 NE/2
of Sec. 19, Twp. 25-S, Rng. 37-E, is currently dedicated to the B. M. Justis
No. 1 located in Unit H of said section.

(5) That this proration unit is () standard (X) nonstandard; if nonstandard, said unit was previously approved by Order No. R-6821.

(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 95,500 MCF of gas from the proration unit which would not otherwise be recovered.

(8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.

(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

(1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on this 30th day of December, 1981.


DIVISION DIRECTOR

EXAMINER

** Order No. R-6821 approved for directionally drilling, non-standard proration unit, an unorthodox location, and simultaneous dedication for the B. M. Justis No. 10.

INFILL DRILLING FINDINGS PURSUANT TO
SECTION 271.305(b) OF THE FEDERAL ENERGY REGULATORY
COMMISSION REGULATIONS, NATURAL GAS POLICY ACT OF 1978
AND OIL CONSERVATION DIVISION ORDER NO. R-6013-A

I.

Operator Royal Hartman Well Name and No. B.M. Justis No. 10
Bottom-Hole
Location: Unit H Sec. 19 Twp. 25-S Rng. 37E Cty. Lea

II.

This well was directionally drilled, surface location is Unit E, Sec. 20, T-25-S, R-37E, Lea County.

THE DIVISION FINDS:

(1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.

(2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.

(3) That the well for which a finding is sought is completed in the Jalmat (Gas) Pool, and the standard spacing unit in said pool is 640 acres.

(4) That a 80-acre proration unit comprising the E/2 NE/4 of Sec. 19, Twp. 25-S, Rng. 37-E, is currently dedicated to the B.M. Justis No. 1 located in Unit H of said section.

(5) That this proration unit is () standard (X) nonstandard; if nonstandard, said unit was previously approved by Order No. R-6821.

(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 25,500 MCF of gas from the proration unit which would not otherwise be recovered.

(8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.

(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

(1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

DIVISION DIRECTOR _____ EXAMINER _____

* Order No. R-6821 approved for directional drilling, a non-standard proration unit, an unorthodox location, and simultaneous dedication for the B.M. Justis No. 10.

WILLIAM P. AYCOCK & ASSOCIATES, INC.

Petroleum Engineering Consultants
308 WALL TOWERS WEST
MIDLAND, TEXAS 79701
PHONE 915/683-5721

December 14, 1981

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

Attention Mr. R. L. Stamets, Technical Support Chief

Subject: Administrative Application for
Infill Well Finding for Doyle
Hartman's Justis No. 10 Well,
Section 19, Twp. 25S, Range 37E

1981 @ 1935' FNL & 439' FEL (Bottom *Unit H*
Hole Location), Jalmat Pool,
Lea County, New Mexico

Gentlemen:

Application is hereby made for an administrative infill finding effective with initial gas deliveries for the described well in accordance with Exhibit "A", Order R-6013-A. The following requirements are covered:

Rule 5: Attached are copies of the Forms C-101 and C-102, as approved by the Hobbs District

Rule 6: The name of the pool in which the infill well has been drilled is the Jalmat Pool, and the standard spacing unit therefor is 640 acres.

Rule 7: The Division Order approving the non-standard proration unit is R-6821, a copy of which is attached hereto.

Rule 8: See attached Table No. 1, "Summary of Required Information, Rule 8, Exhibit "A", Order R-6013-A" for "a." through "f.". Also required for 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." As of August 31, 1981 (the latest date for which production data are available), the pre-existing Doyle Hartman B. M. Justis No. 1 (Bettis, Boyle & Stovall B. M. Justis "A" No. 1) had produced an accumulative gas



Volume of 8201.9 MMCF. Experience with costs of operation in the Jalmat Pool indicates that economic limits of production are approximately 500 MCF/month, so this well is producing at about 22 percent of the experience economic limit; accordingly, the pre-existing well has no economic gas reserves remaining to be produced. If this well were produced to an unrealistically and uneconomical zero rate economic limit of production from August 31, 1981, the estimated remaining reserves would be only 4.4 MMCF. Therefore, any gas reserves remaining in the Jalmat Pool reservoirs beneath the 40-acre proration unit assigned to this well would ostensibly not have been produced unless the infill well Doyle Hartman B. M. Justis No. 10 had been drilled. The B. M. Justis No. 10 has an 80-acre Jalmat proration unit assigned to it, consisting of the simultaneously dedicated SE/4, NE/4 Section 19, Twp. 25S, Range 37E (originally assigned to the Doyle Hartman B. M. Justis No. 1) and the previously undedicated NE/4, NE/4 Section 19, Twp. 25 S, Range 37E.

Rule 9:

- Sec. a. Requires that a formation structure map be submitted; attached is such a map, originally submitted as an exhibit in Case 7408, on November 4, 1981.
- 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 expected for the Doyle Hartman B. M. Justis No. 10 is approximately 96 MMCF. The increased ultimate recovery is then the difference in this estimated ultimate recovery and the remaining recovery for the B. M. Justis No. 1. Since, as has been previously discussed in reply to the requirements of Rule 8.g., there are no remaining economical reserves for the B. M. Justis No. 1, all of the 96 MMCF constitute increased recovery. The estimate of ultimate gas recovery for the Hartman B. M. Justis No. 10 was accomplished as follows:

A = 80 Acres

h = 39'

(1) Well logs for the B. M. Justis No. 10 were analyzed, resulting in the following:

- 1 Mean Porosity, Fcn. of Bulk Vol. $0.157 = \phi$
- 2 Mean Connate Water Saturation, Fcn of Net Effective Pore Volume $0.451 = S_w$
- 3 Net Effective Pay Thickness, Ft. 39.

Since the gross pay thickness constituting potential gas reservoir for the B. M. Justis No. 10 is 73 feet, the above represents a net effective pay to gross pay ratio of approximately 53 percent.

(2) The production tests for the B. M. Justis No. 10 performed on December 8-10, 1981, were analyzed, resulting in the following:

- 1 Stabilized Deliverability Coefficient, MCF/day per psia² 0.009760
- 2 Initial Stabilized Wellhead Shut-in Pressure (Pc), psia 168.2
- 3 Initial Gas Formation Volume Factor scf/rcf 11.43

(3) The results of steps (1) and (2) were then combined, resulting in the following:

Original Gas-in-Place MMCF/acre
MMCF/Acre $1.674 = 43560 (8) (10) (1-0.451) (6)$
MMCF/80 Acres 133.9×80

Estimated Gas Recovery Factor, Fcn. of Original Gas-in-Place 0.713 *estimated*

Estimated Ultimate Gas Recovery, MMCF per 80 Acres $95.5 = \text{Original Gas-in-place, MMCF/80 Acres} \times F_3 = 133.9 \times 0.713$

Sec. c. Other supporting data submitted include the following, some of which were incorporated into exhibits which were presented on November 4, 1981, Case 7408:

Cross-Sections A-A', B-B' and C-C'

Tabulation of Pertinent Well Information

Gas Production History Tabulation and Graph for Doyle Hartman B. M. Justis No. 1 (the pre-existing well)

Pore Volume = 21.885 x 10⁶ cu ft
G_i = 2258 MMCF

Given

Given

New Mexico Department of Energy and Minerals
December 14, 1981
Page 4

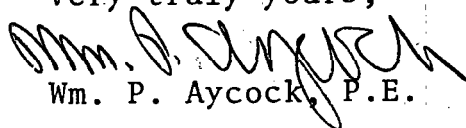
Complete N.M.O.C.D. Forms on file for both
the Pre-existing Hartman B. M. Justis No. 1
and the Infill Hartman B. M. Justis No. 10

Eastman Whipstock Report of Subsurface
Directional Survey, Hartman B. M. Justis
No. 10

New Mexico Oil Conservation Division Order
No. R-6821

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

Attachments

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 DOYLE HARTMAN B. M. JUSTIS NO. 1</u>	<u>INFILL WELL DOYLE HARTMAN B. M. JUSTIS NO. 10</u>
a.	Lease Name and Well Location	B. M. Justis 19(H)-25S-37E (1980' FNL & 660' FEL)	B. M. Justis 19(H)-25S-37E Bottom Hole Location (1935' FNL & 439' FEL) Surface Location (1940' FNL & 120' FWL)
b.	Spud Date	March 5, 1931	November 20, 1981
c.	Completion Date	June 2, 1931	November 30, 1981
d.	Mechanical Problems	None of Record	Nothing Beyond Routine for a Deviated Well
e.	Current Rate of Production	August 1981 Mean: 3.6 MCF/day and no oil	12-11-81: 196 MCF/day
f.	Date of Plug and Abandonment	Still Producing: Jalmat (Oil)	New Well: Jalmat (Gas)

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE No. 7408
Order No. R-6821

APPLICATION OF DOYLE HARTMAN FOR
DIRECTIONAL DRILLING, A NON-STANDARD
PRORATION UNIT, AN UNORTHODOX LOCATION
AND SIMULTANEOUS DEDICATION, LEA COUNTY,
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on November 4, 1981, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 13th day of November, 1981, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Doyle Hartman, seeks authority to directionally drill his Justis Well No. 10, the surface location of which is 1940 feet from the North line and 120 feet from the West line of Section 20, Township 25 South, Range 37 East, in such a manner as to bottom said well in the Jalmat Gas Pool at an unorthodox location within 100 feet of a point 1989 feet from the North line and 440 feet from the East line of Section 19, Township 25 South, Range 37 East.

(3) That a well at said unorthodox location will better enable applicant to produce the gas underlying the proration unit.

(4) That no offset operator objected to the proposed unorthodox location.

(5) That the applicant further proposes to simultaneously dedicate said well and the Bettis, Boyle and Stovall Justis Well

No. 1 to an 80-acre non-standard proration unit comprising the E/2 NE/4 of said Section 19.

(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.

(7) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

(8) That the application should be approved.

IT IS THEREFORE ORDERED:

(1) That the applicant, Doyle Hartman, is hereby authorized to directionally drill his Justis Well No. 10, the surface location of which is 1940 feet from the North line and 120 feet from the West line of Section 20, Township 25 South, Range 37 East, in such a manner as to bottom said well in the Jalmat Gas Pool at an unorthodox location within 100 feet of a point 1989 feet from the North line and 440 feet from the East line of Section 19, Township 25 South, Range 37 East.

(2) That approval is hereby given to simultaneously dedicate said well and the Bettis, Boyle and Stovall Justis Well No. 1 to an 80-acre non-standard proration unit comprising the E/2 NE/4 of said Section 19.

PROVIDED HOWEVER, 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, and that the operator shall notify the Division's Hobbs District Office of the date and time said survey is to be commenced.

(3) 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, and the bottom hole location of the well.

-3-

Case No. 7408
Order No. R-6821

(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. RAMSEY,
Director

S E A L

30-025-27630

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work		7. Unit Agreement Name
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Former Lease Name B. M. Justis
c. Name of Operator Doyle Hartman		9. Well No. 10
d. Address of Operator P.O. Box 10426 Midland, Texas 79702		10. Field and Pool, or Well Unit Jalmat
e. Location of Well UNIT LETTER E LOCATED 1940 FEET FROM THE North LINE 120 FEET FROM THE West LINE OF SEC. 20 TWP. 25S RCF. 37E		11. County Lea
19. Proposed Depth 3200 TVD		19A. Formation Yates
20. Estimated Formation Fluids, Bond Multi-well approved		20A. Type of C.T. Rotary
21. Drilling Contractor Kenai		22. Approx. Date Work will start November 1981

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4	10 3/4	40.50	600	600	Surface
8 3/4	7	23.00	3200 TVD	600	Surface

We propose to drill an infill Jalmat (Yates) well with the bottom hole location 1989' FNL and 440' 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 1940 FNL and 120 FWL of Section 20, T-25-S, R-37-E and deviate the hole to bottom hole location 1989 FNL and 440 FEL of Section 19, T-25-S, R-37-E at a true vertical depth of 3200' GL. The total depth of the well will be 3200' true vertical depth and will be located 1989' FNL and 440 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. A hearing was held November 4, 1981 for 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: (1) Any gas produced from the proposed well has previously been dedicated to El Paso Natural Gas Company.
(2) The proposed well will be the second well on the existing proration unit consisting of the E/2 NE/4 of Section 19, and will share an allowable with the B.M. Justis No. 1

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

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

Signed Harry A. Norman Title Engineer Date November 5, 1981

(This space for State Use)

APPROVED BY NOV 18 1981 TITLE NOV 18 1981 DATE NOV 16 1981

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL FOR
PERIOD 1981
UNTIL 5/16/82

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

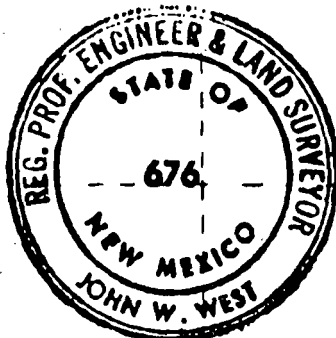
Owner Doyle Hartman		Lease B.M. Justis		Well No. 10
Unit Letter E	Section 20	Township 25 South	Range 37 East	County Lea
Actual Surface Location of Well: 1940 feet from the North line and 120 feet from the West line Ground Level Elev. 3067.5' Producing Formation Yates-Seven Rivers Pool Jalmat (Gas) Dedicated Acreage 80 Acres				

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
See Attached C-102
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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

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

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



CERTIFICATION

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

Name
Larry G. Nemy
Position
Engineer
Company
DOYLE HARTMAN
Date
Nov 2, 1981

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.

OCT 23 1981

Date Surveyed
Oct. 20, 1981

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. **JOHN W. WEST 676**
PATRICK A ROMERO 6663
Ronald J. Eidson 3239

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.

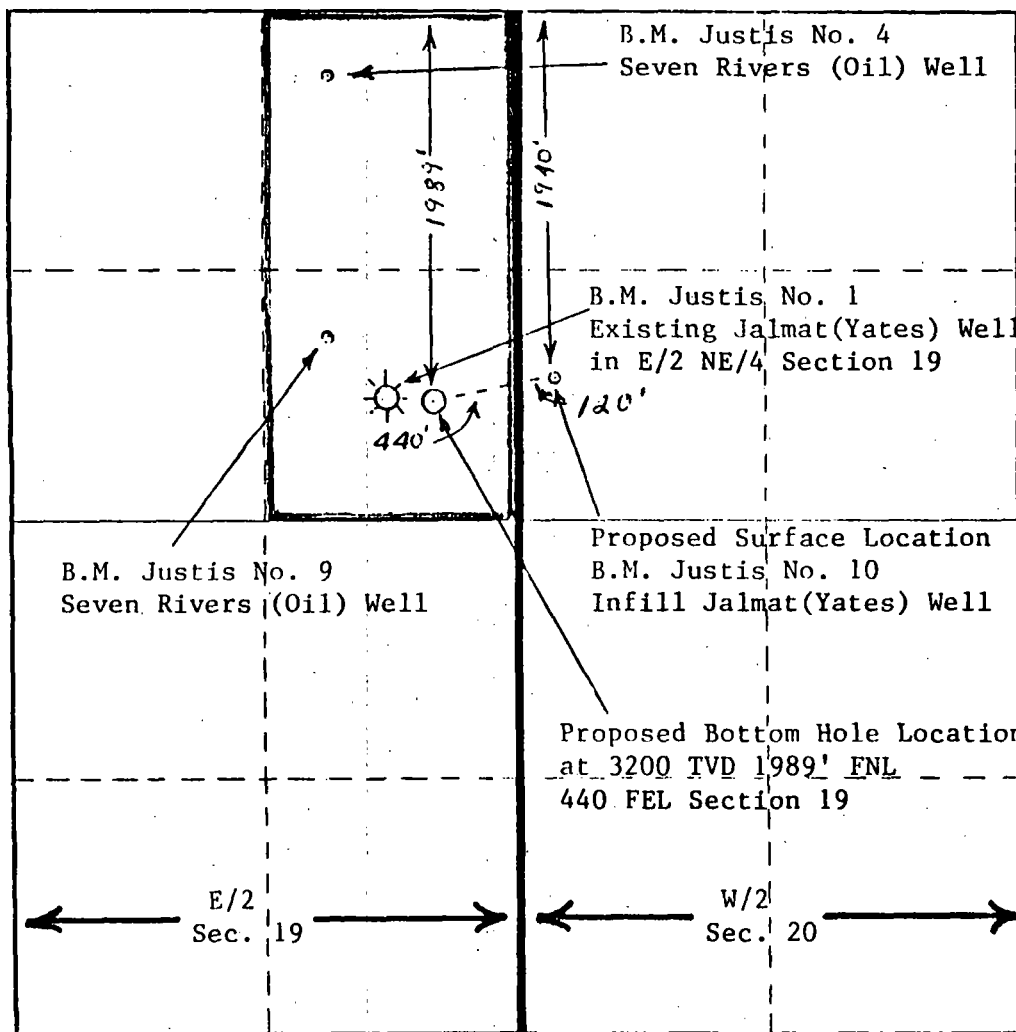
Operator Doyle Hartman			Lease B. M. Justis			Well No. 10		
Unit Letter E	Section 19 & 20	Township 25 South	Range 37 East	County Lea				
Actual Footage Location of Well: * 1989 feet from the North line and 440 feet from the East line of Sec. 19								
Ground Level Elev.	Producing Formation Yates-Seven Rivers		Pool Jalmat (Gas)			Dedicated Acreage: 80 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 communization, 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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. * Bottom hole location at 3200 feet TVD.



CERTIFICATION

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

Name *Larry P. Nemy*
 Position _____
Engineer
 Company _____
Doyle Hartman
 Date **November 2, 1981**

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 0

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT WATER RESOURCES DIVISION

U. S. BOX 2088

WATER RESOURCES DIVISION, NEW MEXICO 87501

Form C-101
Rev. 10-1-77

SUMMARY NOTICE AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR ANY OTHER PURPOSES. IT IS TO BE USED ONLY FOR A SUMMARY NOTICE AND REPORT ON WELLS.

DATE ☐

TIME ☒

OTHER ☐

Doyle Hartman

Address of Owner

P. O. Box 10426, Midland, Texas 79702

Location of Well

UNIT ☐

E

1940

North

120

West

20

25S

37E

15. (If not a line on Section PE, SE, GR, etc.)

3067.5 G.L.

Section ☐ [X]
State Oil & Gas Lease No.

B. M. Justis

10

Jalmat (Gas)

Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

REPAIRS/REPAIRS WORK ☐
REPAIRS/REPAIRS WORK ☐
REPAIRS/REPAIRS WORK ☐

PLUG AND ABANDON ☐
CHANGE PLUG ☐

REPAIRS/REPAIRS WORK ☐
CONDUIT DRILLING OPER. ☒
CASING TEST AND CEMENT JOBS ☒

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

OTHER ☐

17. Describe in brief the completed operations (clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work) 5-15-1981 1103.

Spudded well at 6:15 p.m. 11-20-81. Drilled well to a total depth of 616'. Circulated hole and pulled drill string. Ran 15 joints of 10 3/4" OD, 40.5 lb/ft, J-55, ST&C casing and landed at 614'. Cemented casing with 300 sx of API Class C cement containing 4% gel and 1/4 lb/sx floreal followed by 300 sx of API Class cement containing 2% CaCl₂ and 1/4 lb/sx floreal. Plug down at 3:40 a.m. CST 11-22-81. Circulated 190 sx of excess cement to pit. WOC 18 hours. Pressure tested casing to 700 psi. Pressure held okay.

DEC 2 1981

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

SIGNED Michelle Hernandez

TITLE Administrative Assistant

DATE 11-24-81

APPROVED BY 3042 11-24-81

TITLE NOV 30 1981

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WELL LOG

**U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WELL LOG**

Form L-101
Revised 12-1-7

State of Texas []
County of []
Oil & Gas Lease No. [X]

SUMMARY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR A WELL THAT IS PRODUCING OR ABOUT TO BE PRODUCED FROM A DIFFERENT RESERVOIR.
IT MAY BE USED FOR A WELL THAT IS PRODUCING OR ABOUT TO BE PRODUCED FROM THE SAME RESERVOIR AS THE WELL FOR WHICH IT WAS DESIGNED.

ON ☐ DAY ☒ OTHER

Name of Operator

Doyle Hartman

Address of Operator

P. O. Box 10426, Midland, Texas 79702

Location of Well

UNIT SURVEY E 1940 FEET FROM THE North LINE AND 120 FEET FROM

West 20 25S 37E

12.1 (Other DE, RE, GR, etc.)

3067.5 G.L.

Well Agreement Date

1. Name of Lessee/Owner

B. M. Justis

2. Well No.

10

3. Field or Lease Name

Jalmat (Gas)

4. County

Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

REPAIRS/REMEDIAL WORK ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

REPAIRS/REMEDIAL WORK ☐

REPAIRS/REMEDIAL WORK ☐

COMMENCE DRILLING OPER. ☐

PLUG AND ABANDON ☐

PULL OR ALTER CASING ☐

CASING TEST AND CEMENT JOBS ☒

OTHER ☐

OTHER

10. Describe in brief the completed operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Reached total depth of 3273'. Ran 74 joints (3274') of 7" OD, 23 lb/ft, J-55, ST&C casing and landed at 3273' RKB. Cemented casing with 300 sx of API Class-C cement containing 3% Econolite and 1/4 lb/sx floreal followed by 250 sx of a 50-50 blend of API Class-C cement and Pozmix "A" containing 18% salt and 1/4 lb/sx floreal. Plug down at 1:30 p.m. CST 12-01-81. Circulated 45 sx of excess cement to pit. Pressure tested casing to 1600 psi. Pressure held okay.

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

Signed Michelle Hernandez

TITLE Administrative Assistant

DEC 9 1981
DATE 12-02-81

Orig. Signed by
Les Clements

APPROVED BY Les Clements
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

NO. OF COPIES RECEIVED		NEW MEXICO OIL CONSERVATION COMMISSION	Form C-104 Superseding Old C-104 and C-1 Effective 1-1-65
DEPARTMENT		REQUEST FOR ALLOWABLE	
SARFAEE		AND	
FILE		AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS	
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL GAS		
OPERATOR			
PRODUCTION OFFICE			

Operator	Doyle Hartman
Address	P. O. Box 10426 Midland, Texas 79702
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input checked="" 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 type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of ownership give name and address of previous owner _____

DESCRIPTION OF WELL AND LEASE			
Lease Name	Well No.	Pool Name, including Formation	Kind of Lease
B. M. Justis	10	Jalmat (Gas)	State, Federal or Fee
Location	Bottom hole Location = 1935' FNL and 439' FEL, Section 19, T-25-S, R-37-E.		
Unit Letter	E	Feet From The North	Line and 120 Feet From The West
Line of Section	20	Township	25S Range 37E, NMPM, Lea County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS			
Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)		
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)		
EI Paso Natural Gas Company	P. O. Box 1384 Jal, New Mexico 88252		
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp. Rge.
			Is gas actually connected? When
			No 12-11-81

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
		XX	XX
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
11-20-81	11-30-81	3273 (3203.1 TVD)	3262 (3192.2 TVD)
Elevation (DE, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
3067.5 GL	Yates	2802 (2739.9 TVD)	3150 (3081.3 TVD)
Perforations	Depth Casing Shoe		
2802-2901 (2739.9-2835.9 TVD) (Yates)	3273 RKB (3203.1 TVD)		

TUBING, CASING, AND CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
14 3/4	10 3/4	614 (614 TVD)	600 (circ)
8 3/4	7	3273 (3203.1 TVD)	550 (circ)

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
106	24 hours	-----	-----
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size
Orifice Tester	-----	FCP = 70 psi	16/64

CERTIFICATE OF COMPLIANCE		OIL CONSERVATION COMMISSION	
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.		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 available tests taken on the well in accordance with RULE 111.			
All sections of this form must be filled out completely for allowance on new and re-completed wells.			
Fill out only Sections I, IV, VI, and VII for change of owner, well name or number, or transporter, or other such change of condition.			

Larry G. Munn

(Signature)

Engineer

(Title)

December 8, 1981

(Date)

NO. OF COPIES RECEIVED DISTRIBUTION SANTA FE FIELD DESIGN LAND OFFICE OPERATOR		NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG			Form O-105 Revised 11-64 Indicate Type of Lease State <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Date Oil & Gas Lease Exp.	
1. TYPE OF WELL OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>					11. Agreement Name	
2. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. HT. VBL. <input type="checkbox"/> OTHER <input type="checkbox"/>					12. Name of Lease Owner B. M. Justis	
3. Name of Operator Doyle Hartman P. O. Box 10426 Midland, Texas 79702					13. Well No. 10	
4. Location of Well Bottom hole location = Unit H, 1935' FNL and 439' FEL Section 19, T-25-S, R-37-E.					14. Well Completion or Widening Jalmit (Gas)	
UNIT LETTER E LOCATED 1940 FEET FROM THE North LINE AND 120 FEET FROM West LINE OF SEC. 20 TWP. 25S R. 37E					15. County Lea	
15.1. Date Spudded 11-20-81		15.2. Date Cased 11-30-81		15.3. Date Ready to Prod. 12-7-81		
15.4. Depth 3273 (3203.1)		15.5. Depth to Cement 3262 (3192.2)		15.6. Depth to Comp. L. How Many 0-3273		
16. Cement Interval 2802-2901 (2739.9-2835.9) w/17 (Yates) Note: (True vertical depth)					17. Directional Survey Made Yes	
18. Type of Cement and Grade of Cement CDL-DSN-GR and Guard Forxo					19. Was Well Cured No	
20. CASING RECORD (Report all strings set in well)						
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	
10 3/4	40.5	614(614)	14 3/4	600 (circ)	None	
7	23.0	3273(3203.1)	8 3/4	550 (circ)	None	
21. LINER RECORD						
SIZE	TOP	BOTTOM	BACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 3/8	3150(3081.3)
17 holes with one shot each at: 2802(2739.9), 2809(2746.7), 2814(2751.5), 2819(2756.3), 2825(2762.1), 2829(2765.9), 2833(2769.8), 2843(2779.4), 2848(2784.2), 2853(2789.1), 2858(2793.9), 2863(2798.7), 2870(2805.5), 2875(2810.4), 2893(2828.1), 2897(2832.0), 2901(2835.9).						
22. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.						
PERIOD INTERVAL 2802-2901 (2739.9-2835.9)				AMOUNT AND KIND MATERIAL USED A/5500 15% MCA		
23. PRODUCTION						
Date First Production 12-7-81		Production Method (If flowing, gas lift, pumping - Size and type pump) Pumping			Well Status (Prod. or Shut-in) Shut-in	
Oil - PHL	Gas - PHL	Water - PHL	Oil - PHL	Gas - PHL	Water - PHL	
12-8-81	24	16/64	---	106	4	
Flow Testing Pressure	Flow Testing Pressure	Flow Testing Pressure	Flow Testing Pressure	Flow Testing Pressure	Flow Testing Pressure	
---	FCP=70	---	---	106	4	
24. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented					Test Supervised By Harold Swain	
25. List of Attachments None						
I, Larry A. Ramsey , Engineer, hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.						
SIGNED Larry A. Ramsey			TITLE Engineer		DATE 12-8-81	

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electric and radioactivity logs run on the well and a summary of all spectral tests conducted, including drill stem tests. All depths reported shall be measured depth; in the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, there shall be one through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy 1013 (1011.9)	T. Canyon	T. Ojo Alamo	T. Penn. "D"
T. Salt 1122 (1119.9)	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 2648 (2591.8)	T. Atoka	T. Pictured Cliffs	T. Penn. "B"
T. Yates 2798 (2736.1)	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 3026 (2958.6)	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Quartz
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	
T. Blinberry	T. Gr. Wash	T. Morrison	
T. Tubb	T. Granite	T. Todillo	
T. Drinkard	T. Delaware Sand	T. Entrada	
T. Abo	T. Bone Springs	T. Wingate	
T. Wolfcamp		T. Chinle	
T. Penn.		T. Permian	
T. Cisco (Bough C)		T. Penn. "A"	

OIL OR GAS SANDS OR ZONES

No. 1, from 2802 (2739.9) to 2901 (2835.9)	No. 4, from
No. 2, from to	No. 5, from to
No. 3, from to	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.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1013 (1011.9)	1122 (1119.9)	109	Anhydrite				
1122 (1119.9)	2648 (2591.8)	1526	Salt and Anhydrite				
2648 (2591.8)	2798 (2736.1)	150	Dolomite and Anhydrite				
2798 (2736.1)	3026 (2958.6)	228	Dolomite and Sandstone				
3026 (2958.6)	3273 (3203.1)	247	Dolomite and Sandstone				

TABULATION OF PERTINENT WELL INFORMATION
VICINITY OF DOYLE HARTMAN'S PROPOSED JUSTIS NO. 10
LOCATED IN SECTION 19(H)-25-37, JALMAT (TANSILL-YATES-SEVEN RIVERS) POOL
LEA COUNTY, NEW MEXICO

OPERATOR WELL NAME & NUMBER	Bettis, Boyle & Stovall			Lewis B. Burleson						Conoco	Doyle Hartman		Sun Texas Co.			
	Bates #1	Bates #2	Exxon Bates #1	Coll. A #1	Gutman #1	Leonard #1	Leonard #2	Saunders #1	Saunders #2	Sholes B #1	Bates BB&S #1	Bates #3	Winningham #1	Winningham #2	Winningham #3	Winningham #7
LOCATION OF WELL	20(L)-25-37	29(D)-25-37	29(C)-25-37	29(G)-25-37	29(I)-25-37	20(P)-25-37	20(I)-25-37	28(E)-25-37	28(F)-25-37	19(N)-25-37	29(E)-25-37	20(M)-25-37	30(C)-25-37	19(P)-25-37	30(I)-25-37	30(H)-25-37
DISTANCE AND DIRECTION FROM APPLICATION	1750' SSE	4300' SSE	4650' SSE	6600' SE	8625' SE	5700' ESE	5100' ESE	8350' SE	9000' SE	4200' SSW	5550' S	2550' SE	5250' SW	2900' S	5200' S	4100' S
COMPLETION INTERVAL	2616-2865	2574-2740	2474-2994	2558-2564*	2532-2552*	2707-2757*	2935-3325	2263-2463*	2215-2230*	2662-2945	2692-2762	2773-3337	2675-2889	2648-2841	2730-3022	2711-2816*
COMPLETION DATE	9-11-36	1-22-52	9-18-78	7-30-73	3-29-73	9-20-76	2-10-38	7-10-69	10-20-76	3-22-41	2-06-80	9-12-81	7-25-49	12-06-49		3-01-75
INITIAL CAOF, MCF/DAY	25,500	1,346	10	396	1,102	423	1,630	13,800	1,738	12,000	103	101	2,130	4,060	1,400	N/A
CUM. PRODUCTION @ 6-1-81																
LIQUIDS, BBL.	-0-	-0-	-0-	-0-	-0-	-0-	85	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
GAS, MMCF	5,935	1,268	-0-	2	381	80	3,225	3,081	433	6,248	146	-0-	1,852	1,910	1,637	5
VOLUMETRIC ANALYSIS:																
MEAN EFF. POR., % BULK VOL.	-	-	0.086	0.228	0.191	0.138	0.216	-	-	-	0.106	0.188	0.258	0.308	0.183	0.232
MEAN CON. WTR. STN., % NEPS	-	-	0.380	0.211	0.235	0.287	0.217	-	-	-	0.327	0.390	0.200	0.176	0.241	0.208
NET EFFECTIVE PAY, FEET	-	-	70	24	21	60	89	-	-	-	38	48	34	71	130	82
OGIP MMCF/ACRE	-	-	11.1	12.8	9.09	17.46	44.50	-	-	-	1.95	2.81	20.7	53.3	53.4	44.6
ESTIMATED OGIP, MMCF	6,336	-	-	5	539	96	4,319	9,119	-	6,350	820	207	1,876	2,238	-	143
EUR:																
LIQUIDS, BBL.	-0-	-0-	-0-	-0-	-0-	-0-	85	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
GAS, MMCF	5,937	1,268	-0-	2	497	85	3,225	3,081	730	6,248	625	180	1,852	1,913	1,637	5
EST. ULTIMATE RECOVERY FACTOR	0.94	-	-	0.40	0.92	0.89	0.75	0.34	-	0.98	0.76	0.87	0.98	0.85	-	0.03
EST. EFFECT. DRAINAGE AREA, ACRES	-	-	-	1	59	6	97	-	-	-	420	73.5	91	42	-	3
SIWHP, PSIA (1980)	136.2	-	-	37.2	-	62.2	31.2	-	Exempt	172.2	-	-	-	121.2	-	-
ORIGINAL SIWHP	-	-	43.2	43.2	-	1,113.2	-	813.2	-	-	193.2	173.2	-	1,263.2	-	288.2
CURRENT WELL STATUS	Prod. Gas Only Carried Under Jalmat Oil	TA 5-69	Never Prod. Commercially Dry Hole	Non- Commercial	Gas Producer	Gas Producer	Non- Commercial	Last Prod. 12-76	Gas Producer	Last Prod. 10-80	Gas Producer	Gas Producer	Last Prod. 5-73	Gas Producer	Last Prod. 11-70	Last Prod. 11-77

*Recompletion to Jalmat

GAS PRODUCTION HISTORY

Date 6-25-80

Page 1 of 2

Operator: Bettis, Boyle & Stovall

Well: B. M. Justis No. 1

Location: H-19-25-37

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: Converted to Jalmat (Oil) in 1975.

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z	
1980	12	1426	119	8201.1	N/A	N/A	
1979	12	2050	171	8199.7	N/A	N/A	
1978	12	1925	160	8197.7	N/A	N/A	
1977	11	2694	245	8195.8	N/A	N/A	
1976	12	3217	268	8193.1	N/A	N/A	
1975	12	4093	341	8189.9	94.2	100	
1974	12	2947	246	8185.8	98.2	105	
1973	12	3700	308	8182.8	104.2	110	
1972	12	4494	374	8179.1	118.2	125	
1971	12	3606	300	8174.6	155.2	160	
1970	11	3417	311	8171.0	146.2	150	
1969	12	4178	348	8167.6	145.2	150	
1968	12	5145	429	8163.4	143.2	150	
1967	12	5671	473	8158.3	162.2	170	
1966	12	5917	493	8152.6	261.2	275	
1965	12	14909	1242	8146.7	N/A	N/A	
1964	12	29468	2456	8131.8	N/A	N/A	
1963	12	49208	4101	8102.3	N/A	N/A	
1962	12	35466	2955	8053.1	N/A	N/A	
1961	12	21053	1754	8017.6	242.2	255	

19 79 Detail Summary

Jan.	147	July	206
Feb.	129	Aug.	178
March	154	Sept.	133
April	185	Oct.	133
May	241	Nov.	116
June	210	Dec.	218

19 80 Detail Summary

Jan.	164	July	91
Feb.	144	Aug.	87
March	152	Sept.	77
April	134	Oct.	103
May	130	Nov.	107
June	124	Dec.	113

Production (Y-T-D) 460 MCF

Avg. Rate (Y-T-D) 153 MCF/mo.

Days or Months (Y-T-D) 3 mos.

GAS PRODUCTION HISTORY

Date 7-23-81

Page 2 of 2

Operator: Bettis, Boyle & Stovall

Well: B. M. Justis No. 1

Location: H-19-25-37

Pool: Jalmat (Oil)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

Completion Date (Gas): _____ First Production (Gas): _____

Remarks: _____

[illegible]

19 81 Detail Summary

Jan.	113	July	108
Feb.	82	Aug.	111
March	120	Sept.	96
April	118	Oct.	101
May	119	Nov.	
June	98	Dec.	

19_____ Detail Summary

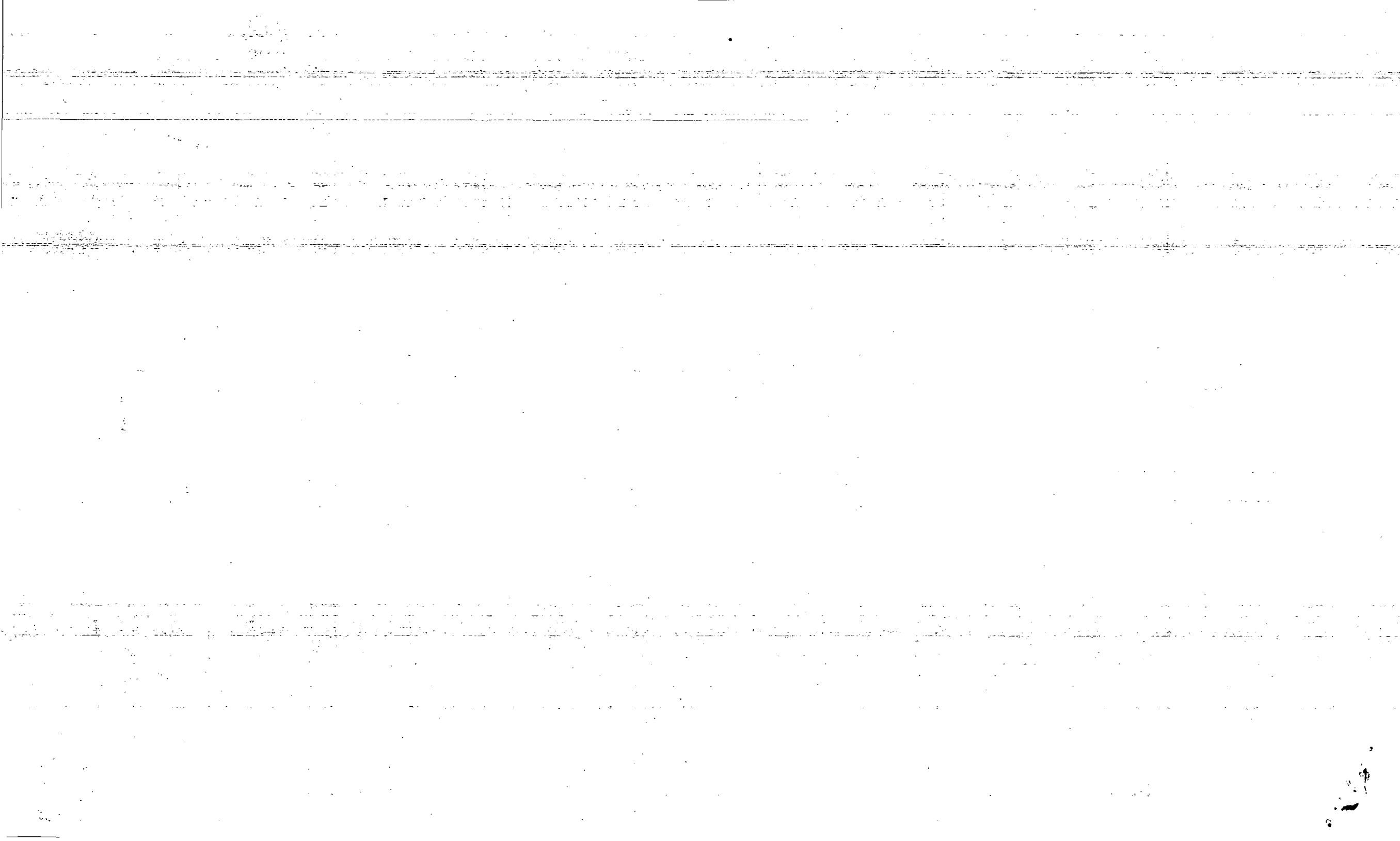
Jan.	_____	July	_____
Feb.	_____	Aug.	_____
March	_____	Sept.	_____
April	_____	Oct.	_____
May	_____	Nov.	_____
June	_____	Dec.	_____

Production (Y-T-D) 1966 MCF

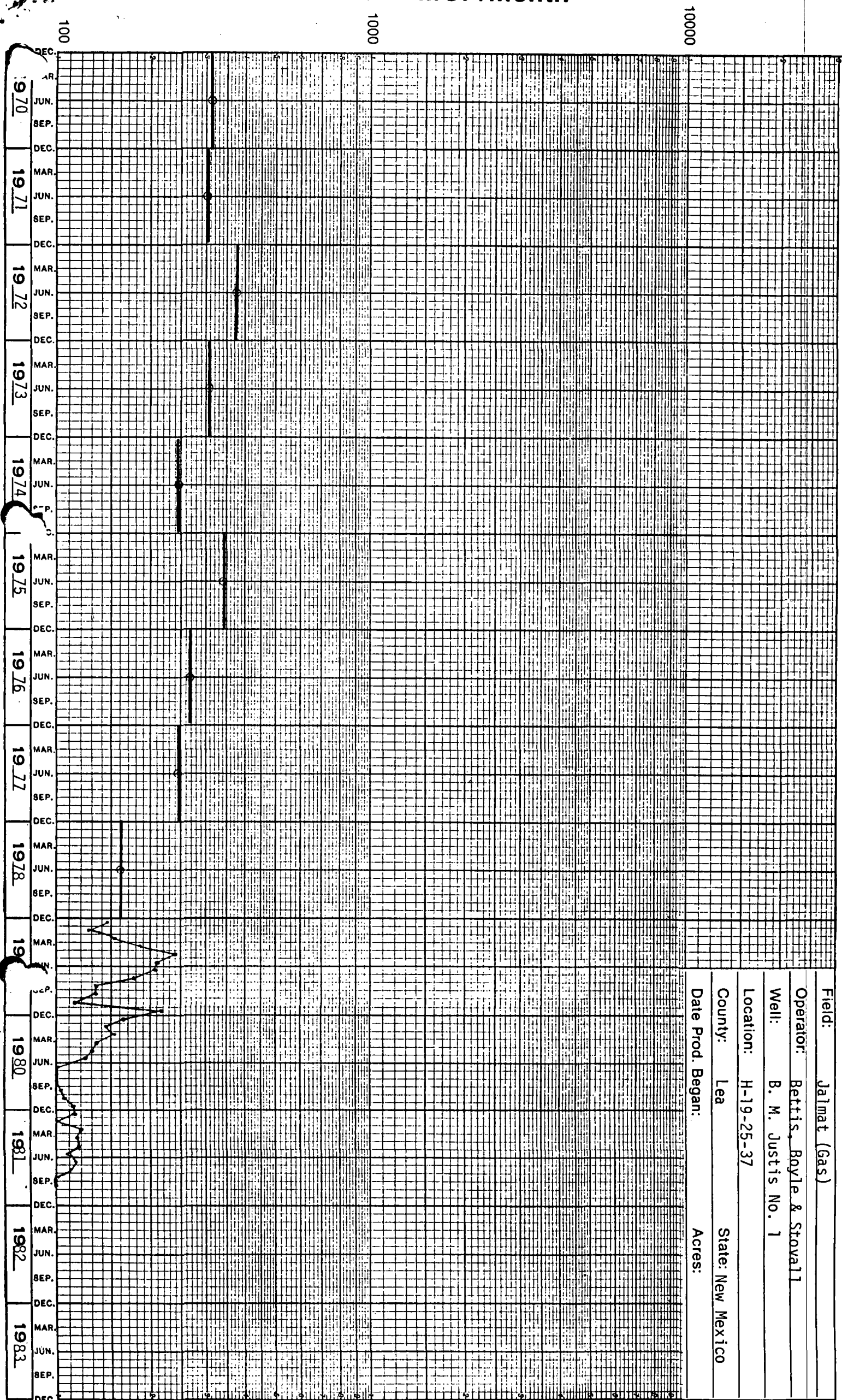
Days or Months (Y-T-D) 10 mos.

Avg. Rate (Y-T-D) 107 MCF/mo.

H-19-25-37



Gas Production - MCF/month



NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED

OCT 24 1950

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reservations and Regulations need not be signed and sworn to before a notary public. 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 REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL		Report of Shutin Pressures	X

Roswell, New Mexico

October 23, 1950

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

Leonard Oil Company

19

O.R. M. Justis

Well No. 1

in the

Company or Operator

Lease

SE 1/4 NE 1/4

of Sec. 22

T. 25S

R. 37E

N. M. P. M.,

Langlie-Mattix

Field,

Lea

County.

The dates of this work were as follows:

Notice of intention to do the work was [was not] submitted on Form C-102 on 19

and approval of the proposed plan was [was not] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Well	Date Taken	Time Shutin	Shutin Pressure
B.M. Justis #1	10-3-50	24 hrs	746.3 psia

Data on other wells tied into high pressure system will be submitted at a later date.

Witnessed by

Name

Company

Title

Subscribed and sworn to before me this 23rd

day of October, 1950

Notary Public

My Commission expires 2-26-53

I hereby swear or affirm that the information given above is true and correct.

Name

Position Vice-President

Representing Leonard Oil Company

Company or Operator

Address P. O. Box 872, Roswell, New Mexico

Remarks:

APPROVED

Date OCT 24 1950

Oil & Gas Inspector

Title

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
MAY 15 1951

MISCELLANEOUS REPORTS ON WELLS

OIL CONSERVATION COMMISSION
HOBBS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. 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 REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL		Report on Shutin Pressure on Gas Well	

Roswell, New Mexico
Place

May 2, 1951
Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

Leonard Oil Company gas well as listed below Well No. 1 in the _____
Company or Operator Lease

SE 1/4 of Sec. 19, T. 25 South, R. 37 East, N. M. P. M.,

Langlie-Mattix Field, _____ Loc _____ County.

The dates of this work were as follows: _____

Notice of intention to do the work was [was not] submitted on Form C-102 on _____ 19 _____

and approval of the proposed plan was [was not] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

<u>Well</u>	<u>Date Taken</u>	<u>Time Shutin, Hrs.</u>	<u>Shutin Pressure, PSIG</u>
B. M. Justis #1	4-26-51	24	662

Witnessed by _____
Name Company Title

Subscribed and sworn to before me this 2nd

day of May, 19 51

Marion Roney

Notary Public

My Commission expires November 12, 1951

I hereby swear or affirm that the information given above is true and correct.

Name Emmanuel D. Smith

Position Executive Vice President

Representing LEONARD OIL COMPANY
Company or Operator

Address Box 872 - Roswell, New Mexico

Remarks:

APPROVED

Date MAY 16 1951

Roy Garbrough
Oil & Gas Inspector
Title

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED (Form C-104)
Revised 7/1/52

REQUEST FOR (OIL) - (GAS) ALLOWABLE

NOV 30 **SEE REMARKS**
New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-103 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
(Place)

November 25, 1953
(Date)

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

LEONARD OIL COMPANY
(Company or Operator)

B. M. Justice, Well No. 1
(Lease)

in SE $\frac{1}{4}$ NE $\frac{1}{4}$

H, Sec. 19, T. 25S, R. 37E, NMPM., Jaleco Pool
(Unit)

Lea

County. Date Spudded 3-5-31, Date Completed 6-2-31

Please indicate location:

Elevation 3071 Total Depth 2795 P.B.

Top oil/gas pay 2743 Prod. Form 2743

Casing Perforations: _____ or

Depth to Casing shoe of Prod. String _____

Natural Prod. Test _____ BOPD

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

Test after acid or shot _____ BOPD

Based on _____ bbls. Oil in _____ Hrs _____ Mins.

Gas Well Potential 25,299 MCF - Initial Production

Size choke in inches Open Flow

Date first oil run to tanks or gas to Transmission system: Sept. 1931

Transporter taking Oil or Gas: El Paso Natural Gas Co.

Casing and Cementing Record

Size Feet Sax

Size	Feet	Sax
15-1/2	124	20
12-1/2	425	10
10-1/2	819	50
8-1/4	2615	155

Remarks: TO COMPLY WITH RULE 11 OF COMMISSION'S ORDER R-356

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

Approved DEC. 3, 1953, 19 _____

LEONARD OIL COMPANY

(Company or Operator)

OIL CONSERVATION COMMISSION

By: _____
(Signature)

Title Robert J. Leonard, President

Send Communications regarding well to:

Name LEONARD OIL COMPANY

Address Box 708, Roswell, N. M.

By: J. G. Stanley

Title Engineer District 1

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OPERATOR	
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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 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. 1	Pool Name, Including Formation Jalmat- Gas	Kind of Lease State, Federal or Fee Fee
Location Unit Letter <u>H</u> ; <u>1980</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u> Line of Section <u>19</u> , Township <u>25-S</u> Range <u>37-E</u> , NMPM, Lea County			

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> None	Address (Give address to which approved copy of this form is to be sent)					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" 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	Sec.	Twp.	Rgo.	Is gas actually connected?	When
					yes	unknown

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)

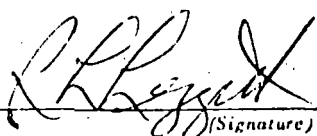
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

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

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 _____, 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

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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-110
Effective 1-1-65

OCT 20 1 04 PM '65

Tenneco Oil Company	
Box 1031, Midland, Texas	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Change in Transporter of:
Completion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Change name of lease from B.M. Justis	

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 A	1	Jalmat Gas	State, Federal or Fee Fee
Location			
Unit Letter H	1980	Feet From The north	Line and 660 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 type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)		
none			
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" 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		
Well produces oil or liquids, or location of tanks.	Unit	Sec.	Is gas actually connected? When
			yes unknown

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

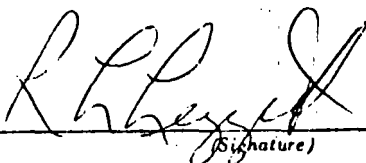
COMPLETION DATA			
Designate Type of Completion - (X)	Oil Well	Gas Well	New Well
			Workover
			Deepen
			Plug Back
			Same Res'v.
			Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Oil	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Formations			Depth Casing Shoe

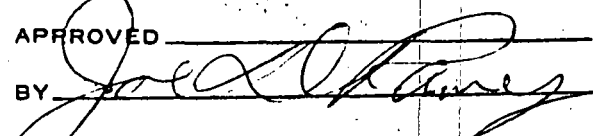
TUBING, CASING, AND CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE 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)

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
Oil Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

WELL			
Oil Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Producing Method (pilot, 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 is true and complete to the best of my knowledge and belief.	
	
R.L. Leggett	
District Office Supervisor	
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 multiply 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-11
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 ☐
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 A	Well No. 1	Pool Name, Including Formation Jalmat (Gas)	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter H : 1980 Feet From The North Line and 660 Feet From The East Line of Section 19 Township 23S Range 37E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> None	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" 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 1980	Sec. 19
	Twp. 23S	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 (pitot, 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.

H. M. Bettis
(Signature)

xRexxxxxx Agent
(Title)

October 28, 1970
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY **John W. Runyan**
TITLE **Geologist**

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 allow able on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multipl:

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

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED JUL 2 1 1981

Bettis, Boyle & Stovall
Box 1168, Graham, Texas 76046

Reasons for filing (Check proper box)
☐ Change in Transporter of:
Oil ☐ Dry Gas ☐
Casinghead Gas ☐ Condensate ☐
Other (Please explain)
Reclassification to oil and casinghead gas *effec. 7/1/75*

Change of ownership give name
address of previous owner

DESCRIPTION OF WELL AND LEASE

Well No.	Foot Name, Including Formation	Kind of Lease
1	Jalmat Yates Seven Rivers Tansill	State, Federal or Free
19	North 25S 37E	East
19	25S 37E	Lea County

SIGNATURE OF TRANSPORTER OF OIL AND NATURAL GAS

Signature of 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 Pipeline Company	Midland, Texas	
Signature of 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)	
Paso Natural Gas Company	Jal, New Mexico	
Unit	Is gas actually connected?	When
H 19 25S 37E	yes	unknown

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

COMPLETION DATA

Designate Type of Completion - (X)	Well	Gas Well	New Well	Workover	Deepen	Flow Back	Same Res'ty. Diff. Res'ty.
X		X					X
Date	Date	Total Depth	Top Oil/Gas Dry	Flow Back	Flow Back	Flow Back	Flow Back
June, 1931	June, 1931	2795	2615	2795	2600	2794	2794
Jalmat Yates SR Tansill	Yates						
Open hole	2615-2795						

TUBING, CASING, AND CEMENTING RECORD

PIPE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
16 1/2	15 1/2	124	20
13 1/2	12 1/2	425	10
12	10 1/2	819	50
10-3/4	8 1/2	2615	155

DATA AND REQUEST FOR ALLOWABLE

(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.)

4-27-75	4-28-75	Flow	Flow
24 hrs	25	25	2"
		TSTM	40

Length of Test	Flow, Condensate (GPH)	Gravity of Condensate
	Casing Pressure	Choke Size

STATEMENT OF COMPLIANCE

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

Larry O. Hulsey
Larry O. Hulsey, Petroleum Engineer
May 30, 1975
(Date)

OIL CONSERVATION COMMISSION

APPROVED *JUN 10 1975* By *John R. Ryan*
BY *Geologist*
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.

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OPERATOR
PRODUCTION OFFICE

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

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

Operator
Doyle Hartman
Address
P. O. Box 10426 Midland, Texas 79702
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)
If change of ownership give name and address of previous owner **Bettis, Boyle and Stovall, P. O. Box 1240, Graham, Texas 76046**

1. DESCRIPTION OF WELL AND LEASE
Lease Name **B. M. Justis** Well No. **1** Pool Name, including Formation **Jalmat (Gas)** Kind of Lease **State, Federal or Fee** Fee
Location
Unit Letter **H** : **1980** Feet From The **North** Line and **660** Feet From The **East**
Line of Section **19** Township **25-S** Range **37-E** , NMPM, **Lea** County

2. 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)
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 **P. O. Box 1384 Jal, New Mexico 88230**
If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rge. Is gas actually connected? When
Yes **12-1936**

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

3. COMPLETION DATA
Designate Type of Completion - (X) Oil Well Gas Well New Well Workover Deepen Plug Back Same Resty. Diff. Resty.
Date Spudded Date Compl. Ready to Prod. Total Depth F.B.T.D.
Elevations (DF, R&B, 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

4. TEST DATA AND REQUEST FOR ALLOWABLE (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

5. 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.
Larry A. Nommyn
Engineer
Nov 5, 1981
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 deviate 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 change of owner, well name or number, or transporter, or other such change of conditions.
Separate Forms C-104 must be filed for each pool in multi-completed wells.

30-025-27630

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work		
DRILL <input checked="" type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
b. Type of Well		
OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>
c. Name of Operator		

7. Unit Agreement Name
8. Term or Lease Date
B. M. Justis
9. Well No.

Doyle Hartman

10

P.O. Box 10426 Midland, Texas 79702

10. Field and Pool, or Well Unit

Location of Well UNIT LETTER E LOCATED 1940 FEET FROM THE North LINE

Jalmat

AND 120 FEET FROM THE West LINE OF SEC. 20 TWP. 25S RGE. 37E

11. County

Lea

12. County

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
3200 TVD	Yates	Rotary
21A. Kind & Status of Bond	21B. Drilling Contractor	22. Approx. Date Work will start
Multi-well approved	Kenai	November 1981
1. Elevation (show whether BP, RT, etc.)		
3067.5 G.L.		

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4	10 3/4	40.50	600	600	Surface
8 3/4	7	23.00	3200 TVD	600	Surface

We propose to drill an infill Jalmat (Yates) well with the bottom hole location 1989' FNL and 440' 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 1940 FNL and 120 FWL of Section 20, T-25-S, R-37-E and deviate the hole to bottom hole location 1989 FNL and 440 FEL of Section 19, T-25-S, R-37-E at a true vertical depth of 3200' GL. The total depth of the well will be 3200' true vertical depth and will be located 1989' FNL and 440 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. A hearing was held November 4, 1981 for 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: (1) Any gas produced from the proposed well has previously been dedicated to El Paso Natural Gas Company.
(2) The proposed well will be the second well on the existing proration unit consisting of the E/2 NE/4 of Section 19, and will share an allowable with the B.M. Justis No. 1

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

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

Signed Harry A. Norman Engineer Date November 5, 1981

(This space for State Use)

APPROVED BY DEC 22 1981 DATE NOV 18 1981

CONDITIONS OF APPROVAL, IF ANY: OIL CONSERVATION DIVISION SANTA FE APPROVAL VALID FOR 180 DAYS PERMIT EXPIRES 5/16/82 UNLESS DRILLING COMPLETES

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

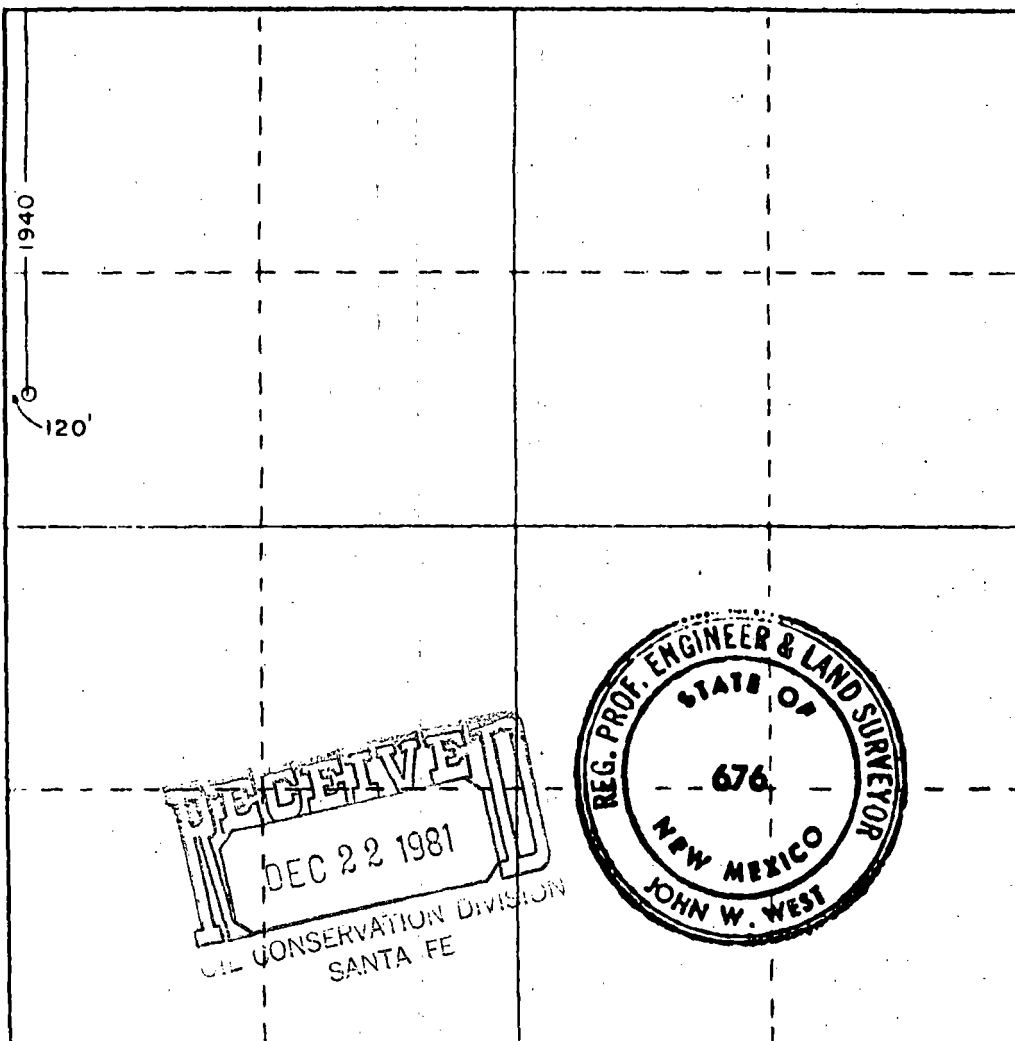
Owner Doyle Hartman			Lease B.M. Justis			Well No. 10		
Grid Letter E	Section 20	Township 25 South	Range 37 East	County Lea				
Actual True Location of Well: <div style="display: flex; justify-content: space-between; align-items: center;"> 1940 feet from the North line and 120 feet from the West line </div>								
Ground Level Elev. 3067.5'	Producing Formation Yates-Seven Rivers		Pool Jalmat (Gas)		Dedicated Acreage: 80 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.

Name
Larry G. Nemy
Position
Engineer
Company
DOYLE HARTMAN
Date
Nov 2, 1981

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.

OCT 23 1981

Date Surveyed
Oct. 20, 1981

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6443
Ronald J. Eidson 3239

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.

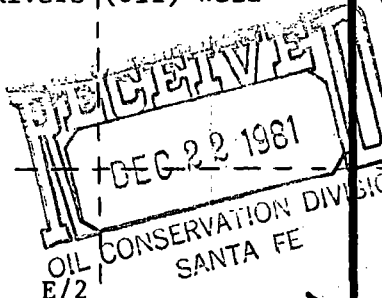
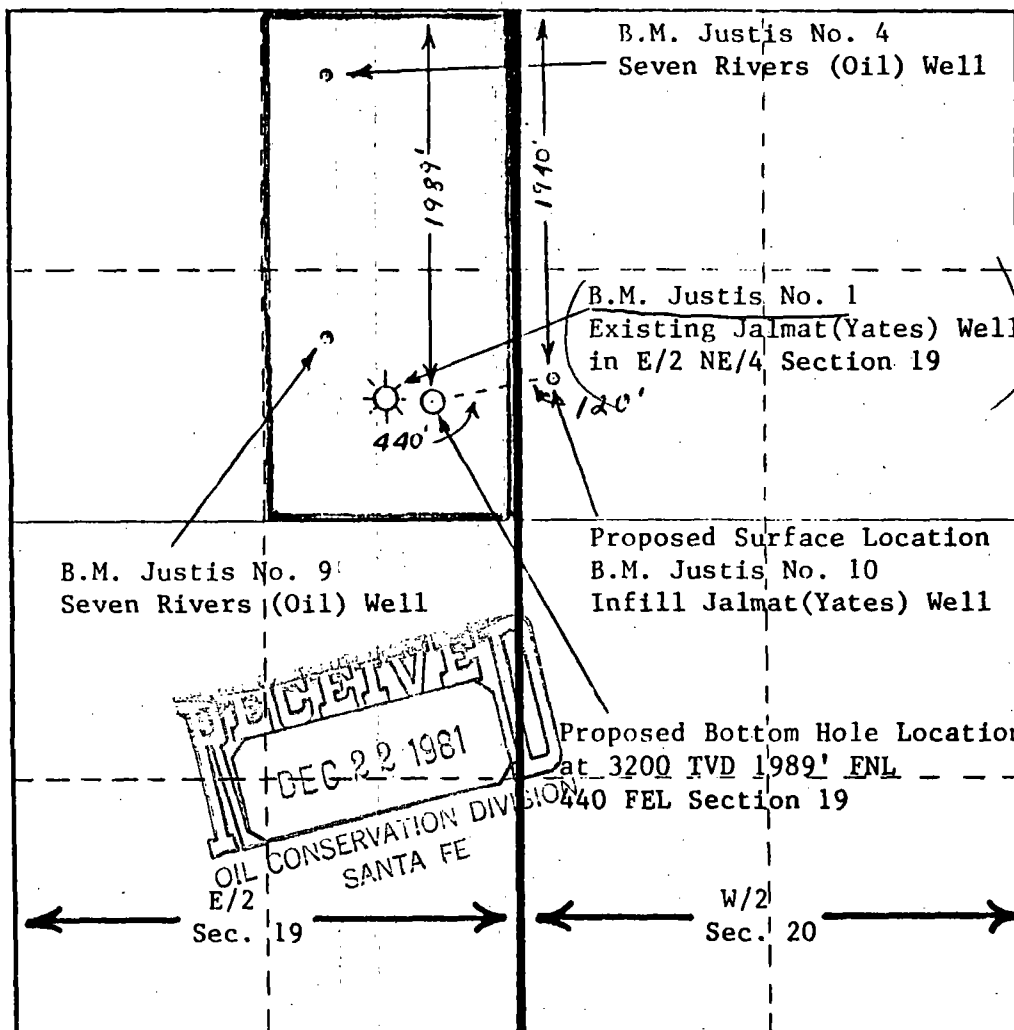
Operator Doyle Hartman			Lease B. M. Justis		Well No. 10
Unit Letter E	Section 19 & 20	Township 25 South	Range 37 East	County Lea	
Actual Footage Location of Well: * 1989 feet from the North line and 440 feet from the East line of Sec. 19					
Ground Level Elev.	Producing Formation Yates-Seven Rivers	Pool Jalmat (Gas)	Dedicated Acreage: 80 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
See attached C-102
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. * Bottom hole location at 3200 feet TVD.



CERTIFICATION

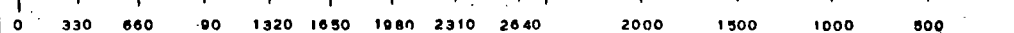
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Harry A. Nemy
Position
Engineer
Company
Doyle Hartman
Date
November 2, 1981

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.



Offset Jalmat (Gas) Operators
B. M. Justis No. 10
E/2 NE/4 Section 19
T-25-S, R-37-E
Lea County, New Mexico

Notification of Request for Administrative Infill Finding

<u>Offset Operator</u>	<u>Date Notification Mailed by Hartman</u>	<u>Date Received by Offset Operators</u>	<u>Date Waiver Returned Offset Operators</u>
Getty Oil Company	December 9, 1981	December 10, 1981	December 14, 1981
Bettis, Boyle and Stovall	December 9, 1981	---	---
Sun-Texas Company	December 9, 1981	---	---
Conoco, Inc.	December 9, 1981	December 10, 1981	---



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

Doyle Hartman Oil Company
COMPANY

B.M. Justis Well No.10
WELL NAME

Lea County New Mexico
LOCATION

JOB NUMBER
WT1181-G0112
WT1181-D0111
WT1181-S0120

TYPE OF SURVEY
Gyroscopic Multishot
Magnetic Single Shot
Magnetic Multi Shot

DATE
11-23-81
11-30-81
11-30-81

SURVEY BY
Gary DeSpain
Ken V. Tidwell
Troy Gray

OFFICE
West Texas
West Texas
West Texas

DOYLE HARTMAN OIL PRODUCTION

B.M. JUSTIS WELL NO. 10

LEA COUNTY, NEW MEXICO BD1-365

NOVEMBER 23, 1981

EASTMAN WHIPSTOCK, INC.

GYROSCOPIC MULTI SHOT WT1181-G0112

SURVEYOR: GARY DESPAIN (0°-600')

MAGNETIC MULTI SHOT WT1181-S0120

SURVEYOR: TROY ONEY (600'-3258')



Eastman

1977

VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL

DIRECTION: S 85 DEG. 0 MIN. W

LEA COUNTY, NEW MEXICO

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

DOYLE HARTMAN OIL PRODUCTION
B.M. JUSTIS WELL NO. 10
LEA COUNTY, NEW MEXICO BDI-365

COMPUTATION PAGE NO.
TIME DATE
08:34:23 02-DEC-81

MEASURED	DRIFT	DRIFT	COURSE	TRUE	VERTICAL	VERTICAL	RECTANGULAR	RECTANGULAR	CLOSURE	CLOSURE	DOUGL
DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH	SECTION	COORDINATES	FEET	FEET	DISTANCE	DIRECTION	SEVERITY
FEET	D M	D	FEET	FEET	FEET	FEET	FEET	FEET	FEET	D M	DS/100
0.	0 0	0	0.	0.00	0.00	0.00	0.00	0.00	0.00	0 0	0.00
100.	0 0	0	100.	100.00	0.00	0.00	0.00	0.00	0.00	0 0	0.00
200.	0 15	S 2 E	100.	200.00	0.01	0.22 S	0.01 E	0.22	S 2 0 E	0.25	0.25
300.	0 30	S 12 W	100.	300.00	0.12	0.87 S	0.05 W	0.87	S 3 15 W	0.26	0.26
400.	0 45	S 45 W	100.	399.99	0.72	1.81 S	0.56 W	1.90	S 17 14 W	0.43	0.43
500.	1 15	S 55 W	100.	499.98	2.15	2.93 S	1.90 W	3.49	S 32 54 W	0.53	0.53
600.	1 45	S 64 W	100.	599.94	4.51	4.26 S	4.15 W	5.95	S 44 15 W	0.55	0.55
663.	1 15	S 40 W	63.	662.92	5.88	5.27 S	5.44 W	7.57	S 45 55 W	1.26	1.26
755.	3 0	S 71 W	92.	754.85	8.81	7.18 S	8.22 W	10.91	S 48 52 W	2.21	2.21
848.	4 0	N 84 W	93.	847.68	14.44	7.81 S	13.81 W	15.87	S 60 30 W	1.94	1.94
940.	5 45	N 79 W	92.	939.34	22.04	6.66 S	21.54 W	22.55	S 72 49 W	1.92	1.92
1032.	7 45	N 81 W	92.	1030.70	32.49	4.78 S	32.19 W	32.54	S 81 33 W	2.17	2.17
1125.	9 30	N 85 W	93.	1122.64	46.13	3.08 S	46.03 W	46.13	S 86 10 W	1.99	1.99
1217.	10 30	N 86 W	92.	1213.25	61.88	1.83 S	61.96 W	61.98	S 88 12 W	1.10	1.10
1309.	11 30	N 87 W	92.	1303.55	79.24	0.76 S	79.48 W	79.48	S 89 27 W	1.11	1.11
1402.	12 30	N 87 W	93.	1394.52	98.39	0.25 N	98.79 W	98.79	N 89 51 W	1.08	1.08
1494.	14 0	N 88 W	92.	1484.07	119.29	1.17 N	119.85 W	119.86	N 89 26 W	1.65	1.65
1597.	14 45	N 88 W	93.	1574.13	142.21	1.93 N	142.93 W	142.94	N 89 12 W	0.81	0.81
1679.	15 0	N 88 W	92.	1663.07	165.65	2.80 N	166.53 W	166.55	N 89 2 W	0.27	0.27
1771.	15 45	N 88 W	92.	1751.78	189.86	3.66 N	190.91 W	190.94	N 88 54 W	0.82	0.82
1864.	15 45	N 88 W	93.	1841.29	214.92	4.54 N	216.14 W	216.13	N 88 48 W	0.00	0.00
1956.	16 0	N 87 W	92.	1929.78	239.87	5.63 N	241.28 W	241.34	N 88 40 W	0.40	0.40
2048.	16 15	N 87 W	92.	2018.16	265.17	6.97 N	266.80 W	266.89	N 88 30 W	0.27	0.27
2141.	16 30	N 86 W	93.	2107.39	291.10	8.57 N	292.96 W	293.09	N 88 19 W	0.41	0.41
2233.	17 15	N 86 W	92.	2195.43	317.48	10.43 N	319.61 W	319.78	N 88 8 W	0.82	0.82
2326.	17 45	N 85 W	93.	2384.12	345.06	12.63 N	347.48 W	347.71	N 87 55 W	0.63	0.63
2418.	17 45	N 87 W	92.	2371.74	372.76	14.59 N	375.46 W	375.74	N 87 47 W	0.66	0.66
2510.	17 30	S 84 W	92.	2459.42	400.51	14.34 N	403.30 W	403.55	N 87 58 W	2.32	2.32
2603.	17 30	S 86 W	93.	2548.12	428.48	12.39 N	431.20 W	431.37	N 88 21 W	0.00	0.00
2695.	17 0	S 88 W	92.	2635.98	455.74	10.96 N	458.44 W	458.57	N 88 33 W	0.84	0.84

DOYLE HARTMAN OIL COMPANY
B.M. JUSTIS WELL NO.10
LEA COUNTY, NEW MEXICO BDI-368

COMPUTATION
TIME DATE
07:48:48 00--00
PAGE NO.:

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET	DOGLEG SEVERITY DG/100FT
600.	1 45	S 64 W	0.	599.94	4.51	4.26 S 4.15 W	0.00
689.	1 15	S 32 W	89.	688.91	6.34	5.80 S 5.86 W	1.07
729.	2 0	S 42 W	40.	728.89	7.10	6.70 S 6.54 W	2.00
759.	2 45	S 64 W	30.	758.87	8.15	7.45 S 7.53 W	3.89
789.	3 30	S 76 W	30.	788.82	9.72	8.01 S 9.06 W	3.30
816.	3 30	S 86 W	27.	815.77	11.37	8.26 S 10.69 W	2.26
847.	3 15	N 90 W	31.	846.72	13.19	8.33 S 12.51 W	1.11
878.	3 45	S 85 W	31.	877.66	15.08	8.41 S 14.40 W	1.89
988.	7 0	N 85 W	110.	987.16	25.33	8.41 S 24.69 W	3.06
1082.	9 0	N 85 W	94.	1080.24	38.21	7.27 S 37.72 W	2.13
1178.	10 0	N 88 W	96.	1174.92	53.88	16.30 S 53.53 W	1.36
1270.	11 0	N 88 W	92.	1265.38	70.52	5.72 S 70.29 W	1.09
1365.	12 15	N 88 W	95.	1358.43	89.52	5.05 S 89.42 W	1.32
1489.	14 0	N 90 W	124.	1479.19	117.52	4.56 S 117.57 W	1.46
1591.	14 30	N 89 W	102.	1578.05	142.51	4.34 S 142.68 W	0.55
1716.	15 30	N 90 W	125	1698.79	174.72	4.06 S 175.03 W	0.83
1837.	15 45	N 89 W	121.	1815.32	207.16	3.77 S 207.62 W	0.30
1963.	16 15	N 88 W	126.	1936.44	241.66	2.86 S 242.34 W	0.45
2088.	16 0	N 88 W	125.	2056.52	276.12	1.65 S 277.03 W	0.20
2245.	16 45	N 86 W	157.	2207.15	319.95	0.67 N 321.23 W	0.60
2402.	18 0	N 84 W	157.	2356.98	366.12	4.75 N 367.93 W	0.88
2558.	17 0	S 84 W	156.	2505.76	412.76	4.75 N 414.76 W	2.40
2684.	17 15	S 85 W	126.	2626.17	449.86	1.20 N 451.69 W	0.31
2867.	13 45	S 85 W	183.	2802.49	498.76	3.07 S 500.40 W	1.91
3023.	8 30	S 85 W	156.	2955.51	528.85	5.69 S 530.37 W	3.37
3117.	8 30	S 84 W	94.	3048.47	542.74	7.02 S 544.20 W	0.16
3210.	7 30	S 83 W	93.	3140.57	555.68	8.48 S 557.06 W	1.09
3258.	6 0	S 85 W	48.	3188.23	561.32	9.07 S 562.67 W	3.16

FINAL CLOSURE DIRECTION: S 89 DEGS 5 MINS W
DISTANCE: 562.74 FEET

DOYLE HARTMAN OIL COMPANY
B.M. JUSTIS WELL NO. 10
LEA COUNTY, NEW MEXICO BD1-368

EASTMAN WHIPSTOCK-INC.
MAGNETIC SINGLE SHOT SURVEY
SURVEYOR: KENT TIDWELL (600'-3210')

VERTICAL SECTION CALCULATED IN PLANE OF PROPOSED WHIPSTOCK
DIRECTION: S 85 DEG. 40 MIN. W
PETROLEUM COMPANY

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

DOYLE HARTMAN OIL PRODUCTION

B.M. JUSTIS WELL NO. 10

LEA COUNTY, NEW MEXICO 301-265

COMPUTATION

PAGE NO.

TIME

DATE

08:34:23 02-DEC-81

MEASURED	DRIFT	DRIFT	COURSE	TRUE	VERTICAL	VERTICAL	RECTANGULAR	CLOSURE	DOGLEE
DEPTH	ANGLE	DIRECTION	LENGTH	DEPTH	SECTION	COORDINATES	DISTANCE	DIRECTION	SEVERITY
FEET	D M	D	FEET	FEET	FEET	FEET	FEET	D M	DB/100'
2787.	14 30	S 88 W	92.	2724.52	480.68	10.09 N	483.39 W	483.50 N 88 48 W	2.72
2880.	11 45	S 87 W	93.	2815.08	501.77	9.17 N	504.49 W	504.57 N 88 58 W	2.97
2972.	9 0	S 87 W	92.	2905.57	518.33	8.30 N	521.03 W	521.10 N 89 5 W	2.99
3065.	8 0	S 87 W	93.	2997.54	532.07	7.58 N	534.76 W	534.82 N 89 11 W	1.08
3157.	7 45	S 83 W	92.	3088.68	544.67	6.49 N	547.32 W	547.35 N 89 19 W	0.65
3218.	6 30	S 84 W	61.	3149.21	552.23	5.63 N	554.83 W	554.86 N 89 25 W	2.04
3258.	6 0	S 85 W	40.	3188.97	556.59	5.21 N	559.17 W	559.19 N 89 28 W	1.28

FINAL CLOSURE - DIRECTION:

N 89 DEGS 28 MINS W

DISTANCE:

559.12 FEET

Whipstock

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-1024
Supersedes C-128
Effective 1-1-65

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

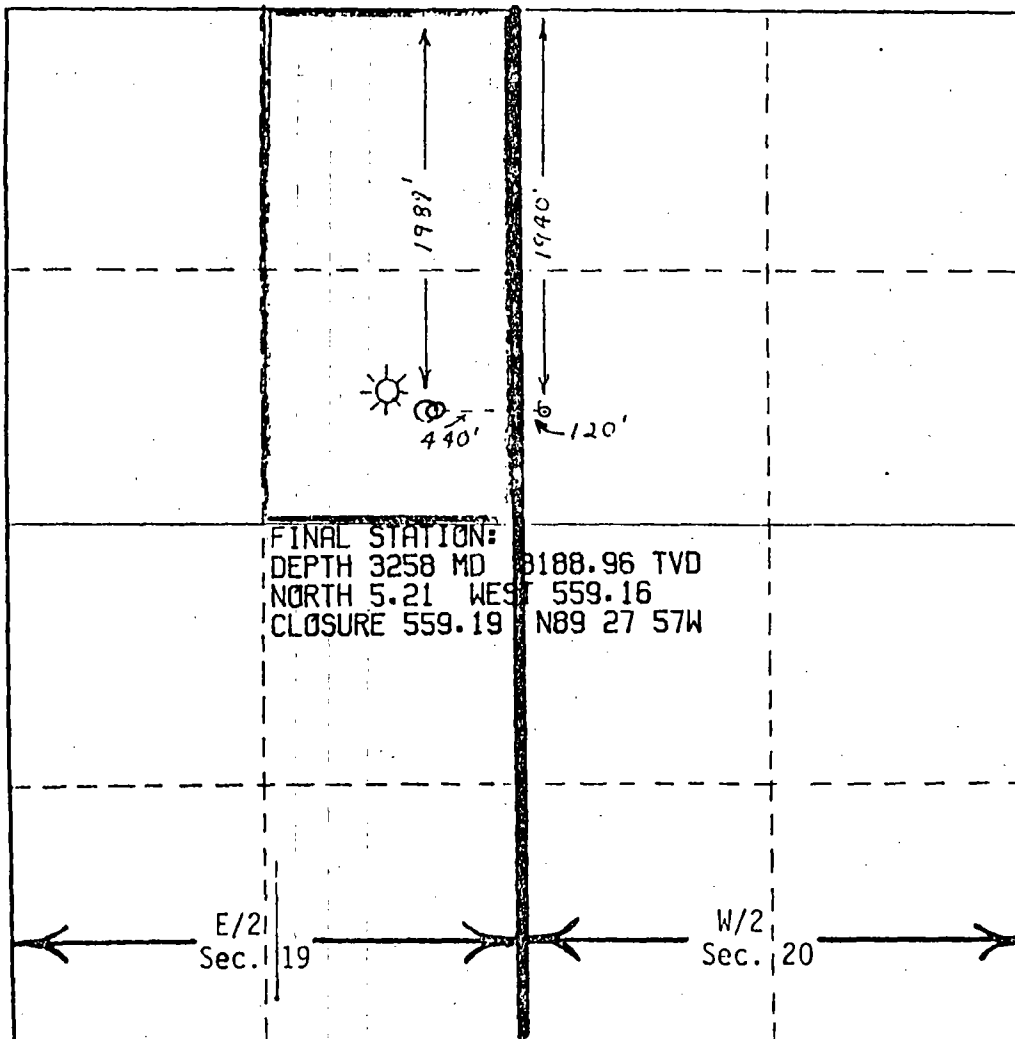
Operator Doyle Hartman		Lease B.M. Justis		Well No. 10	
Unit Letter E	Section 19 & 20	Township 25 South	Range 37 East	County Lea	
Actual Footage Location of Well: * 1989 feet from the North line and 440 feet from the East line of Sec. 19					
Ground Level Elev.	Producing Formation Yates-Seven Rivers		Pool Jalmat (Gas)		Dedicated Acreage: 80 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
See attached C-102
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. * Bottom hole location at 3200 feet TVD.



CERTIFICATION

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

Name
Larry C. Nemo
Position
Engineer
Company
DOYLE HARTMAN
Date
Nov 2, 1981

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. _____

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

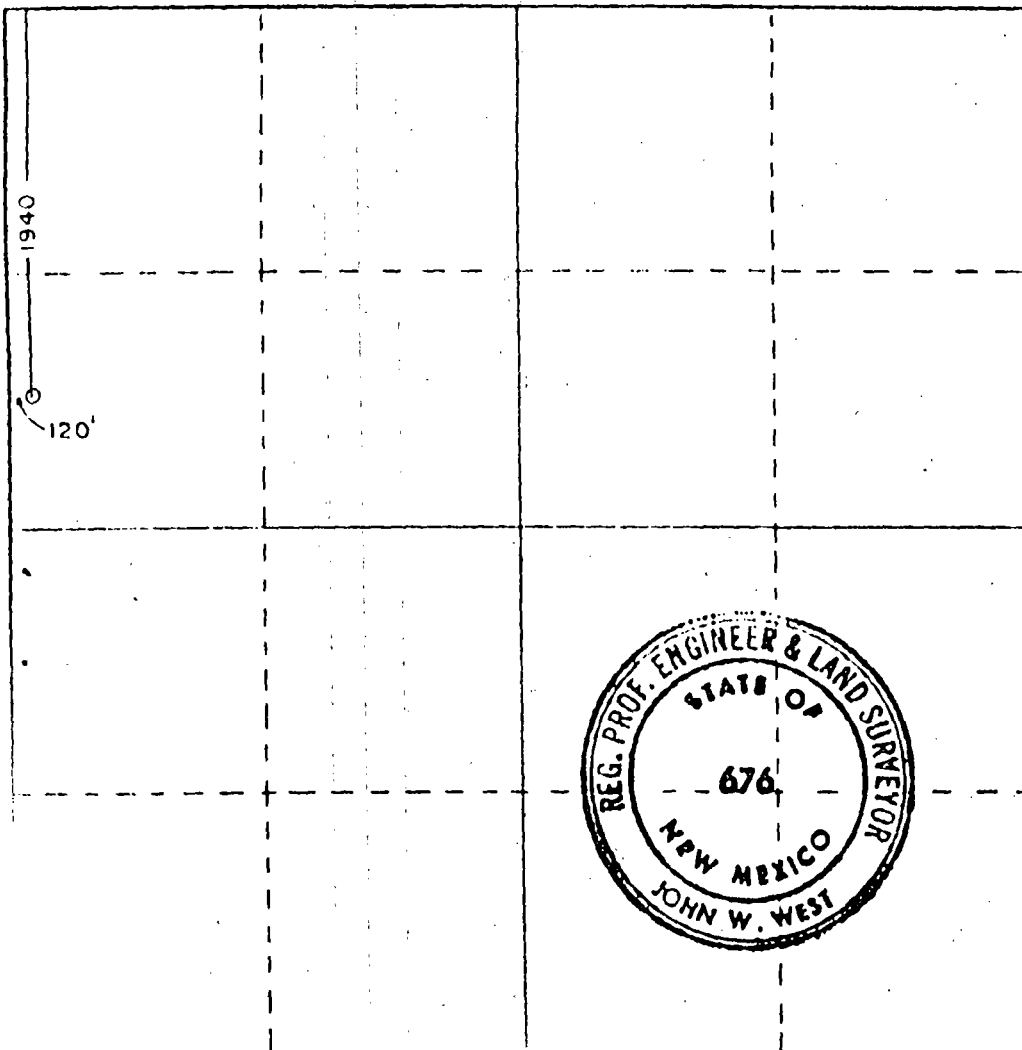
Owner Doyle Hartman		Lease B.M. Justis		Well No. 10	
Grid Letter E	Section 20	Township 25 South	Range 37 East	County Lea	
Actual True Location of Well: 1940 feet from the North line and 120 feet from the West line					
Ground Level Elev. 3067.5'	Producing Formation Yates-Seven Rivers		Foot Jalmat (Gas)	Adjusted Acreage: 80 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Name
Larry G. Nummy

Position
Engineer

Owner
DOYLE HARTMAN

Date
Nov 2, 1981

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.

OCT 23 1981

Date Surveyed
Oct. 20, 1981

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 6845
Ronald J. Eidson 2239

330 880 900 1320 1680 1880 2310 2840 2000 1800 1000 800



P. O. Box 5577/Midland, Texas 79704/(915) 563-0511

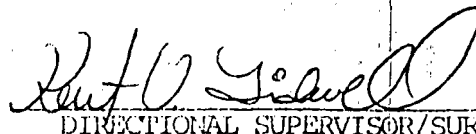
SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, Kent V. Tidwell in the employ of Eastman Whipstock, Inc. did on the days of November 22, 1981 thru November 30, 1981 conduct or supervise the taking of a Magnetic Single Shot survey by the method of magnetic orientation from a depth of 600 feet to 3210 feet, with recordings of inclination and direction being obtained at approximate intervals of 100 feet.

This survey was conducted at the request of Doyle Hartman Oil Company for their B.M. Justis Well No. 10, Lea County, State of N MEXICO, in the _____ field.

The data for this survey and the calculations were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.

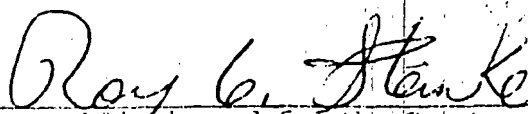

DIRECTIONAL SUPERVISOR/SURVEYOR

The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman whipstock, Inc.



Before me, the undersigned authority, on the day personally appeared Kent V. Tidwell, known to me to be the person whose name is subscribed to the instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that this instrument is a true statement of facts therein recited.

Subscribed and sworn to before me on this 15th day of DEC., 1981.


Notary Public in and for the County
Midland, Texas
My commission expires 7/9/85



P. O. Box 5577/Midland, Texas 79704/(915) 563-0511

SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, Gary DeSpain in the employ of Eastman Whipstock, Inc. did on the days of November 23, 1981 thru November 23, 1981 conduct or supervise the taking of a Gyroscopic Multishot survey by the method of magnetic orientation from a depth of 0 feet to 600 feet, with recordings of inclination and direction being obtained at approximate intervals of 100 feet.

This survey was conducted at the request of Doyle Hartman Oil Company for their B.M. Justis Well No. 10, Lea County, State of New Mexico, in the field.

The data for this survey and the calculations were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.

[Signature]
DIRECTIONAL SUPERVISOR/SURVEYOR

The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman whipstock, Inc.

Tim Stephens

Before me, the undersigned authority, on the day personally appeared Gary DeSpain, known to me to be the person whose name is subscribed to the instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that this instrument is a true statement of facts therein recited.

Subscribed and sworn to before me on this 1.52 day of DEC, 1981.

Ray C. Stinke
Notary Public in and for the County
Midland, Texas
My commission expires 7/9/85



P. O. Box 5577 / Midland, Texas 79701 / (915) 563-0511
TWX 910-881-5066 / Cable: EASTCO

SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, Troy Oney, in the employ of Eastman Whipstock, Inc., did on the days of 11-30, 1981 thru 11-81, 1981 conduct or supervise the taking of a Magnetic Multi Shot survey by the method of magnetic orientation from a depth of 600' feet to 3258' feet, with recordings of inclination and direction being obtained at approximate intervals of 92' feet.

This survey was conducted at the request of Doyle Hartman Oil Production for their B. M. Justis Well No. 10, Lea County, State of New Mexico, in the _____ field.

The data for this survey and the calculations were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.

Troy Oney
Directional Supervisor / Surveyor

The data for this survey has been examined by me and conforms to principles and procedures set forth by Eastman Whipstock, Inc.

Tim Stephens

Before me, the undersigned authority, on this day personally appeared Troy Oney, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that this instrument is a true statement of facts therein recited.

Subscribed and sworn to before me on this 1ST day of DEC, 1981.

Ray C. Stenke
Notary Public in and for the County of
Midland, Texas
My commission expires 7/9/81

