

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. Toby Well No. 3  
Location: Unit L Sec. 7 Twp. 24S Rng. 37E Cty. Lea

II. THE DIVISION FINDS:

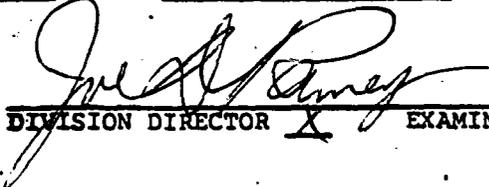
- (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.
- (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.
- (3) That the well for which a finding is sought is completed in the Jalpat Tansill Yates Seven Rivers/Pool, and the standard spacing unit in said pool is 640 acres.
- (4) That a 80 -acre proration unit comprising the N/2 SW/4 of Sec. 7, Twp. 24S, Rng. 37E, is currently dedicated to the Toby Well No. 2 located in Unit K of said section.
- (5) That this proration unit is ( ) standard (X) nonstandard; if nonstandard, said unit was previously approved by Order No. R-369-A.
- (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 640,000 MCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.
- (9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

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

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

DONE at Santa Fe, New Mexico, on this 24th day of September, 19 82.

  
DIVISION DIRECTOR  EXAMINER

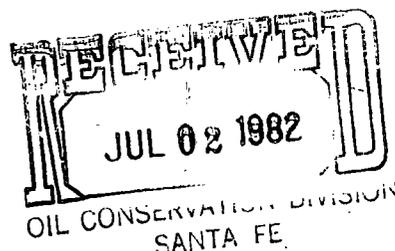
**DOYLE HARTMAN**

*Oil Operator*  
500 N. MAIN  
P. O. BOX 10426  
MIDLAND, TEXAS 79702

(915) 684-4011

June 29, 1982

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



Attention: Mr. R. L. Stamets

Re: Administrative Procedure  
Infill Finding  
Toby No. 3  
N/2 SW/4 Section 7  
T-24-S, R-37-E  
Lea County, New Mexico

Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, we hereby request an infill finding (NFL) for the above captioned Toby No. 3 located N/2 SW/4 Section 7, T-24-S, R-37-E, Lea County, New Mexico.

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

- Rule 5 A copy of approved Form C-101 for the infill well and Form C-102 showing the proration unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled is Jalmat (Gas), and the standard spacing unit therefor is 640 acres.
- Rule 7 The number of the Division order approving the non-standard proration unit dedicated to the well is NSL-1516.
- Rule 8 Form entitled CERTIFICATION OF WELL DATA ON PRORATION UNIT PLAT describes all wells drilled on the proration unit (including the completed infill well) which are or have been completed in the same pool or reservoir as the proposed infill well showing:

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

Rule 9 Letter dated June 29, 1982, from William P. Aycock submits geological and engineering information sufficient to support a finding as to the necessity for an infill including:

- a. formation structure map;
- b. the volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined;
- c. any other supporting data which the applicant deems to be relevant which may include:
  1. porosity and permeability factors
  2. production/pressure decline curve
  3. effects of secondary recovery or pressure maintenance operations.

Rule 10 This application for infill finding is being filed in duplicate with the Santa Fe office of the Division.

Rule 11 All operators of proration or spacing units offsetting the unit for which an infill finding is sought have been notified of this application by certified or registered mail.

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

Very truly yours,

DOYLE HARTMAN

*Michelle Hembree*

Michelle Hembree  
Administrative Assistant

/mh

Enclosures as above

WILLIAM P. AYCOCK & ASSOCIATES, INC.

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

June 29, 1982

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 Toby No. 3 Well,  
Section 7, Twp. 24 South,  
Range 37 East, Jalmat Pool,  
Lea County, New Mexico

Gentlemen:

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

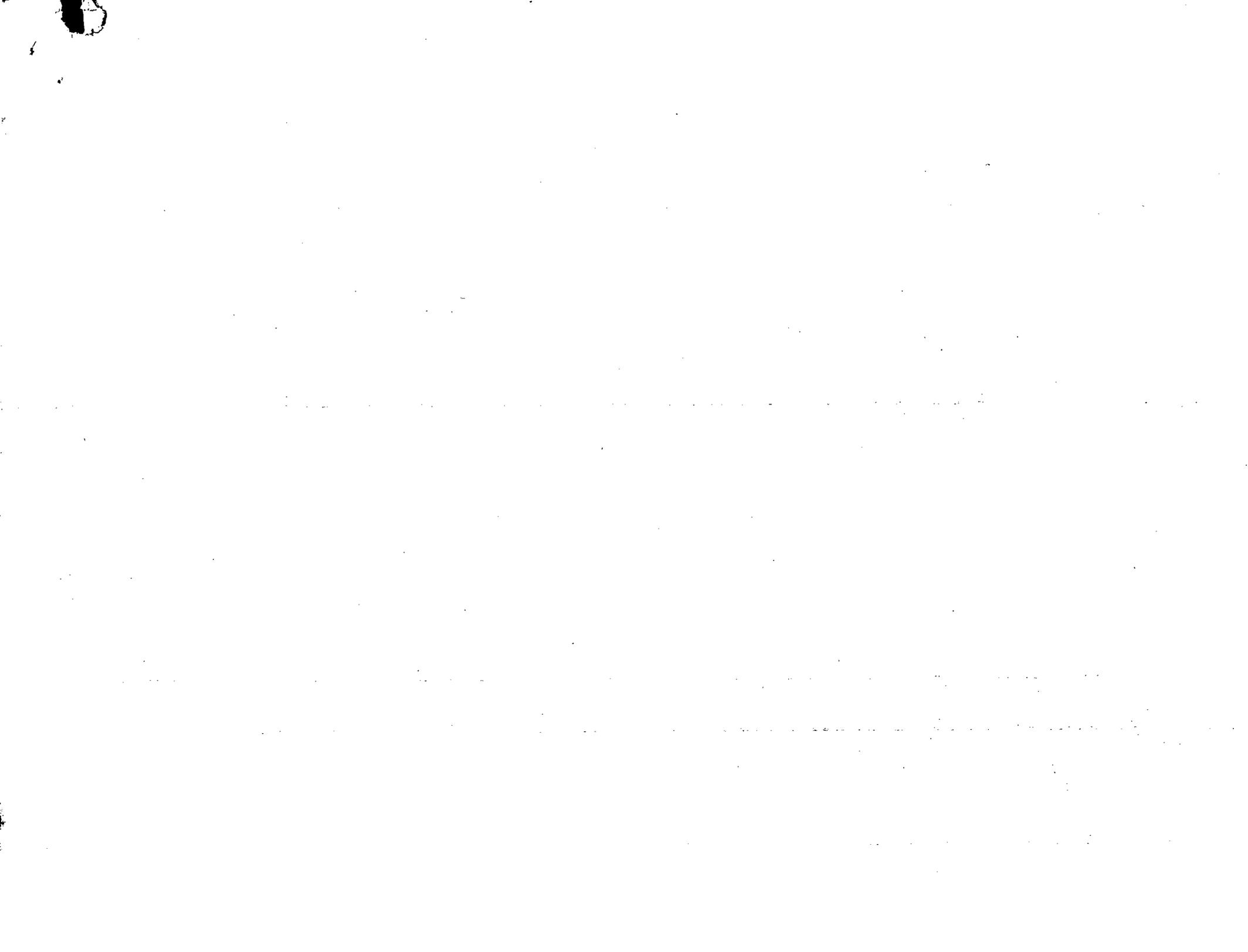
Rule 5: Attached are copies of Forms C-101 and C-102 for the application well.

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

Rule 7: The non-standard proration unit, unorthodox well location and simultaneous dedication were approved administratively by Order NSL-1516 dated April 30, 1982, a copy of which is attached hereto.

Rule 8: Sections "a." through "f." are included on the attached "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A.

Section "g." requires "...a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Jalmat Pool reservoirs beneath the described proration unit were (prior to the drilling and completion of the "application well") assigned to the



the AA Energy (King, Warren & Dye) Toby No. 2 well, located in Unit K of Section 7, Twp. 24 South, Range 37 East @ 1980' FS&WL. This well was dually completed July 26, 1947, from Langlie-Mattix Pool open between depths of 3423 and 3570 feet, with the Jalmat Pool, between depths of 2910 and 3030 feet. The Jalmat Pool completion was given a special multi-point back pressure test for an absolute potential of 14,800 MCF/D on January 4, 1957. As of April 1, 1982, the Jalmat Pool completion had produced an accumulated gas volume of 3056.8 MMCF and was producing at a rate of approximately 88 MCF per month. Since the economic limit of production based on Doyle Hartman's experience is about 500 MCF per month, it is apparent that the pre-existing Toby No. 2 well has already produced all of its economical gas reserves, so any gas left in the Jalmat Pool beneath the 80-acre proration unit cannot be either efficiently or effectively produced by this well. Accordingly, any economical gas reserves recovered from the application well constitute increased ultimate gas recovery otherwise irrecoverable.

Rule 9: Section a. Requires a formation structure map be submitted; attached is a Yates Formation Structure Map of that portion of the Jalmat Pool including and immediately surrounding N/2 SW/4 Section 7, Twp. 24 South, Range 37 East.

Section b. Requires that "...the volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined" be submitted. The estimated ultimate gas recovery for the Doyle Hartman Toby No. 3 well is 641 MMCF. This estimate of increased ultimate recovery for the application well was accomplished as follows:

(1) Well logs for the Hartman Toby No. 3 were analyzed, with results summarized as follows:

Mean Porosity, Fcn. of Bulk Vol.	0.191
Mean Connate Water Saturation, Fcn. of Net Effective Pore Vol.	0.261
Net Effective Pay Thickness, Feet	107.

The gross pay interval consistent with the above is 291 feet, so the ratio of net effective pay to gross pay is  $107 \div 291$ , or about 37 percent.

- (2) The C-105 Test for the Hartman Toby No. 3 dated June 12, 1982, was analyzed, with results summarized as follows:

Stabilized Deliverability Coefficient, MCF/day per psia <sup>2</sup>	0.032651
Initial Stabilized Wellhead Shut-in Pressure (Pc), psia	219.2
Initial Gas Formation Volume Factor, scf/rcf	15.14

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

Original Gas-in-Place	
MMCF/Acre	9.99
MMCF/80 Acres	799.2
Est. Gas Rec. Factor, Fcn. of O.G.I.P.	0.802
Est. Ult. Recovery, MMCF per 80 Acres	641.

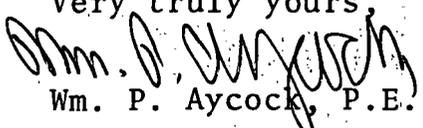
Section c. Other supporting data submitted include the following:

Gas Production History Tabulation and Graph for AA Energy (King, Warren & Dye) Toby No. 2, the preexisting well.  
Complete N.M.O.C.D. forms on file for both the preexisting and application wells.

New Mexico Oil Conservation Division  
Order No. NSL-1516.

We believe that this information adequately documents this application; however, we should be pleased to supply you anything else that 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>PREEXISTING WELL* DOYLE HARTMAN, OPERATOR</u>	<u>INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR</u>
a.	Lease Name and Well Location	Toby No. 2 1980' FSL & 1980' FWL 7-24S-37E	Toby No. 3 1780' FSL & 1100' FWL 7-24S-37E
b.	Spud Date	June 29, 1947	15:00 hrs., May 28, 1982
c.	Completion Date	July 23, 1947	June 12, 1982
d.	Mechanical Problems	None	None
e.	Current Rate of Production	Approx. 3 MCF/D	C-105: 194 MCF/D
f.	Date of Plug and Abandonment	-	-

\* Originally completed by King, Warren & Dye; operated by AA Energy Corp. prior to operations assumed by Doyle Hartman (See Form C-104, dated March 8, 1982)

30-025-27786

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SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
a. Type of Well DRILL  DEEPEN  PLUG BACK

b. Type of Well OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
Doyle Hartman

3. Address of Operator  
P. O. Box 10426, Midland, Texas 79702

4. Location of Well UNIT LETTER L LOCATED 1780 FEET FROM THE South LINE

1100 FEET FROM THE West LINE OF SEC. 7 TWP. 24-S RGE. 37-E N10PM

7. Unit Agreement Name

8. Farm or Lease Name  
Toby

9. Well No.  
3

10. Field and Pool, or Well Unit  
Jalmat (Gas)

12. County  
Lea

14. Proposed Depth 3450 19A. Formation Yates-Seven Rivers 20. Rotary or C.T. Rotary

1. Elevations (Show whether DT, RI, etc.) 3303.0 G.L. 21A. Kind & Status Plug. Bond Multi-Well Approved 21B. Drilling Contractor Kenai 22. Approx. Date Work will start April, 1982

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	9 5/8	40.5	400	300	Surface
8 3/4	7	23.0	3450	600	Surface

The proposed well will be drilled to a total depth of 3450 feet and will be completed as a Jalmat (Yates-Seven Rivers) gas producer. From the base of the surface pipe through the running of the production casing, the well will be equipped with a 3000 psi double ram BOP system.

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

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 11/6/82  
UNLESS DRILLING UNDERWAY

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

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

Signed Larry A. Manning Title Engineer Date March 31, 1982

(This space for State Use)  
ORIGINAL SIGNED BY

APPROVED BY JERRY SEXTON TITLE DISTRICT 1 SUPR. DATE MAY 6 1982

CONDITIONS OF APPROVAL, IF ANY:

MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-101  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

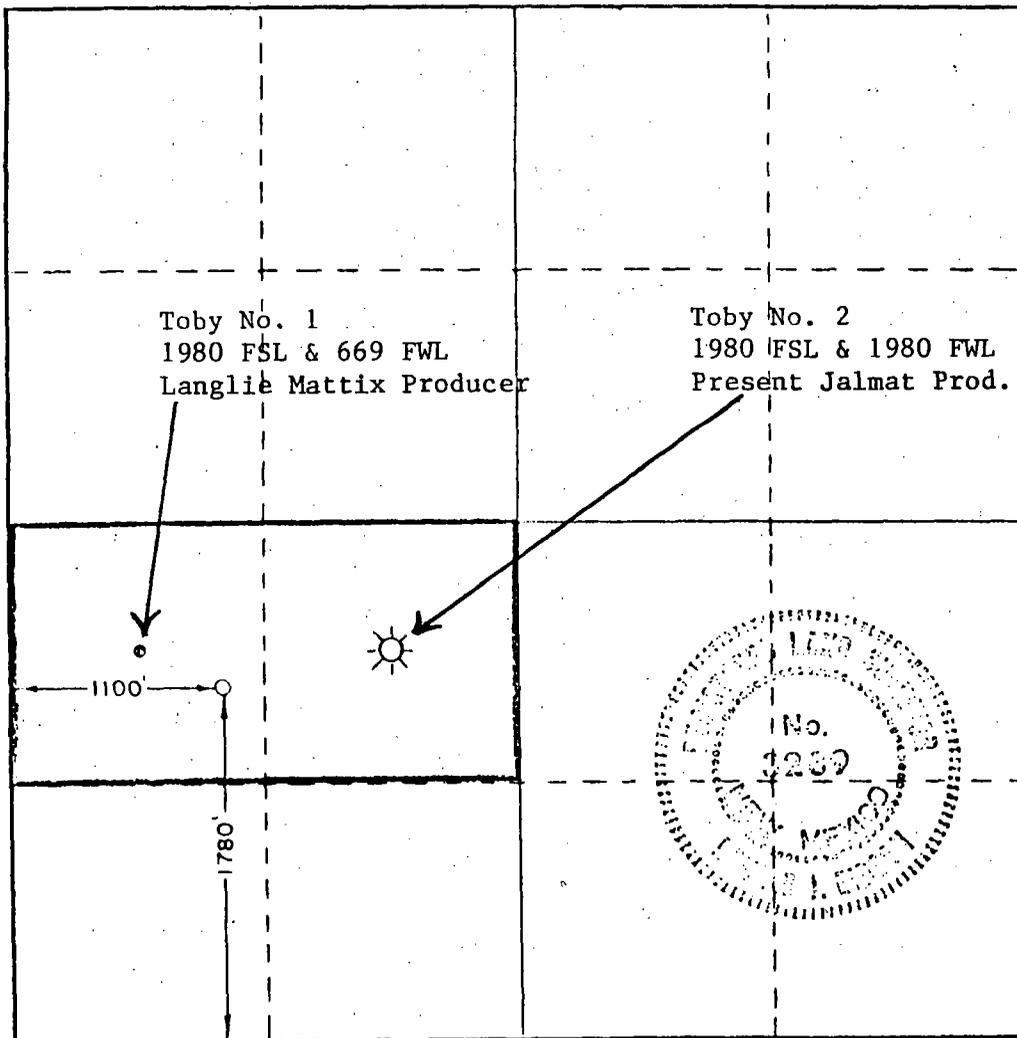
Lessor <b>Doyle Hartman</b>		Lease <b>Toby</b>		Well No. <b>3</b>
Tract Letter <b>I</b>	Section <b>7</b>	Township <b>24-S</b>	Range <b>37-E</b>	County <b>Lea</b>
Actual Footage Location of Well: <b>1780</b> feet from the <b>South</b> line and <b>1100</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3303.0'</b>	Producing Formation <b>Yates-Seven Rivers</b>	Pool <b>Jalmat (Gas)</b>	Dedicated Acreage <b>80</b> Acres	

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

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

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

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



CERTIFICATION

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

Larry Nermyr

*Larry G. Nermyr*

Engineer

Company  
Doyle Hartman

Date  
March 31, 1982

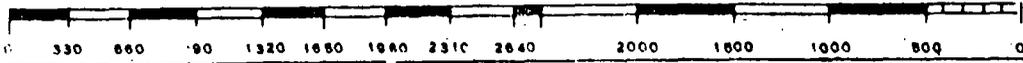
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
March 31, 1982

Registered Professional Engineer  
and/or Land Surveyor

*Ronald J. Eidson*

Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 666**  
**Ronald J. Eidson 3239**



CERTIFICATION OF WELL  
DATA ON PRORATION  
PLAT (NMOCD Form C-102)

DOYLE HARTMAN, as Operator the herein designated well does hereby certify as required under OCD Order R-5878 Rule 15.4:

- (A) The location plat (C-102) corresponding to the herein designated well depicts all current producing wells or previously abandoned wells located on the subject acreage.
- (B) A description of any applicable well(s) that are located on the subject proration unit and that are presently producing or have previously produced from the same reservoir for which this Infill Filing is being made is as follows:

Operator: Doyle Hartman (AA Energy Corporation)  
Well: Toby No. 2  
Location: 1980 FSL & 1980 FWL (K)  
Section 7, T-24-S, R-37-E  
Spud Date: 6-29-47  
Reservoir: Langlie-Mattix and Jalmat  
Production Period: 7-26-47 to Present  
Cumulative Gas Production: 3056.8 MMCF as to Jalmat Pool  
Abandonment Date: Currently producing  
Remarks: Toby No. 2 currently producing approximately 88 MCF per month.

Michelle Hembree  
Michelle Hembree



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

April 30, 1982

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

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

Attention: Larry A. Nermyr

Administrative Order NSL-1516

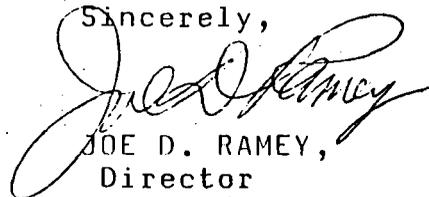
Gentlemen:

Reference is made to your application for approval of a non-standard location for your Toby Well No. 3 to be located 1780 feet from the South line and 1100 feet from the West line of Section 7, Township 24 South, Range 37 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Also, you are hereby authorized to simultaneously dedicate a previously approved 80-acre proration unit comprising the N/2 SW/4 of said Section 7 to your Toby Well No. 2 in Unit K and the above-described Toby Well No. 3. Further, you are hereby permitted to produce the allowable from any of the wells on the proration unit in any proportion.

By authority granted me under the provisions of Rule 3 of Order No. R-1670, the above-described unorthodox location is hereby approved.

Sincerely,

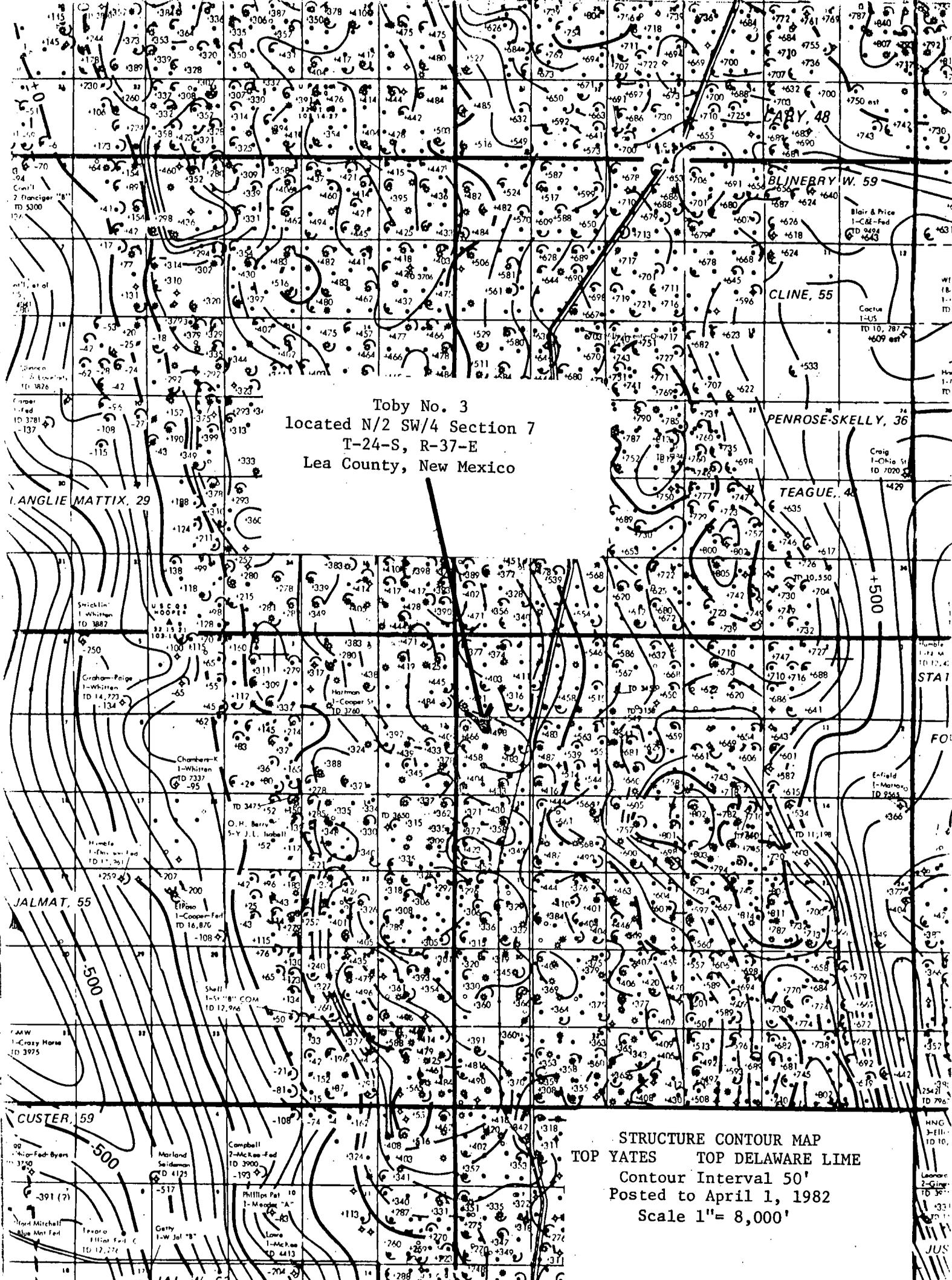


JOE D. RAMEY,  
Director

JDR/RLS/dr

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

MAY 6 1982



Toby No. 3  
 located N/2 SW/4 Section 7  
 T-24-S, R-37-E  
 Lea County, New Mexico

STRUCTURE CONTOUR MAP  
 TOP YATES TOP DELAWARE LIME  
 Contour Interval 50'  
 Posted to April 1, 1982  
 Scale 1" = 8,000'

LANGLIE MATTIX, 29

BLINERY W. 59

CLINE, 55

PENROSE-SKELLY, 36

TEAGUE, 4

JALMAT, 55

CUSTER, 59

STAT

FO

HNG

Leonor

JUS

# GAS PRODUCTION HISTORY

Date 11-27-79

Page 1 of 2

Operator: King, Warren & Dye (Doyle Hartman)

Well: Toby No. 2

Location: K-7-24-37

Pool: Jalmat Gas

Spud Date: \_\_\_\_\_ Original Completion Date: \_\_\_\_\_

Completion Interval (Gas): \_\_\_\_\_

Completion Date (Gas): \_\_\_\_\_ First Production (Gas): \_\_\_\_\_

Remarks: \_\_\_\_\_

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1979	12	4615	385	3853.8	231.2	235
1978	12	20889	1741	3849.2	237.2	240
1977	12	55804	4650	3828.3	N/A	N/A
1976	9	65750	7305	3772.5	287.2	300
1975	10	91312	9131	3706.8	N/A	N/A
1974	12	186185	15515	3615.5	N/A	N/A
1973	8	29111	3639	3429.3	N/A	N/A
1972	11	177449	16132	3400.2	N/A	N/A
1971	11	123950	11268	3222.8	410.2	440
1970	0	-0-	-0-	2970.5	403.2	430
1969	0	-0-	-0-	2970.5	470.2	510
1968	8	53516	6689	2970.5	473.2	515
1967	7	101393	14485	2917.0	539.2	590
1966	10	62915	6291	2815.6	540.2	590
1965	12	73382	6115	2752.7	578.2	640
1964	12	110391	9199	2679.3	N/A	N/A
1963	11	68465	6224	2568.9	N/A	N/A
1962	12	92852	7738	2500.4	N/A	N/A
1961	10	90793	9079	2407.6	733.2	840
1960	11	115617	10511	2316.8	795.2	925

19 78 Detail Summary

Jan.	2631	July	1828
Feb.	689	Aug.	2007
March	430	Sept.	1767
April	2991	Oct.	1561
May	2586	Nov.	1342
June	1970	Dec.	1087

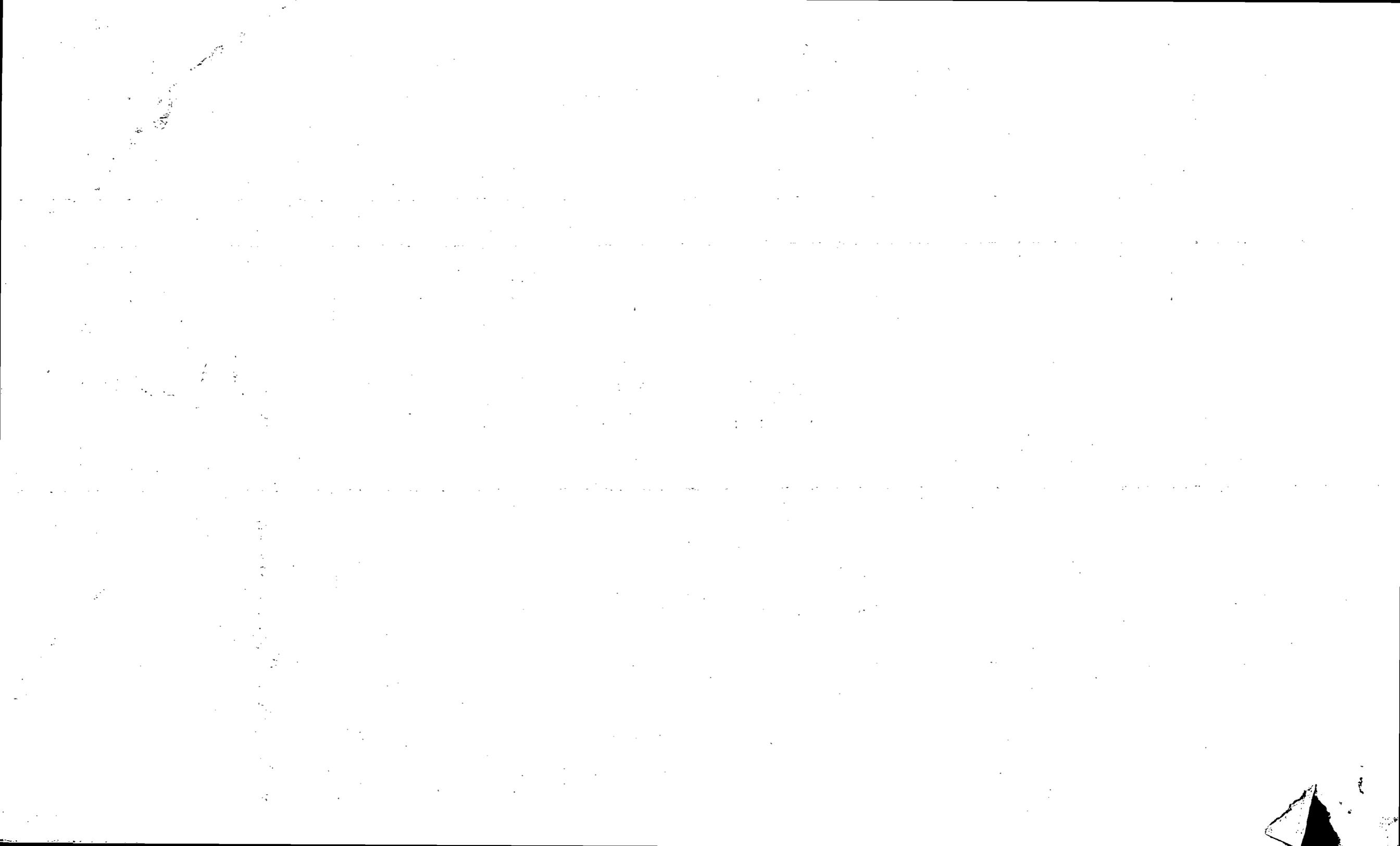
19 79 Detail Summary

Jan.	1043	July	218
Feb.	809	Aug.	209
March	634	Sept.	228
April	399	Oct.	229
May	203	Nov.	229
June	186	Dec.	228

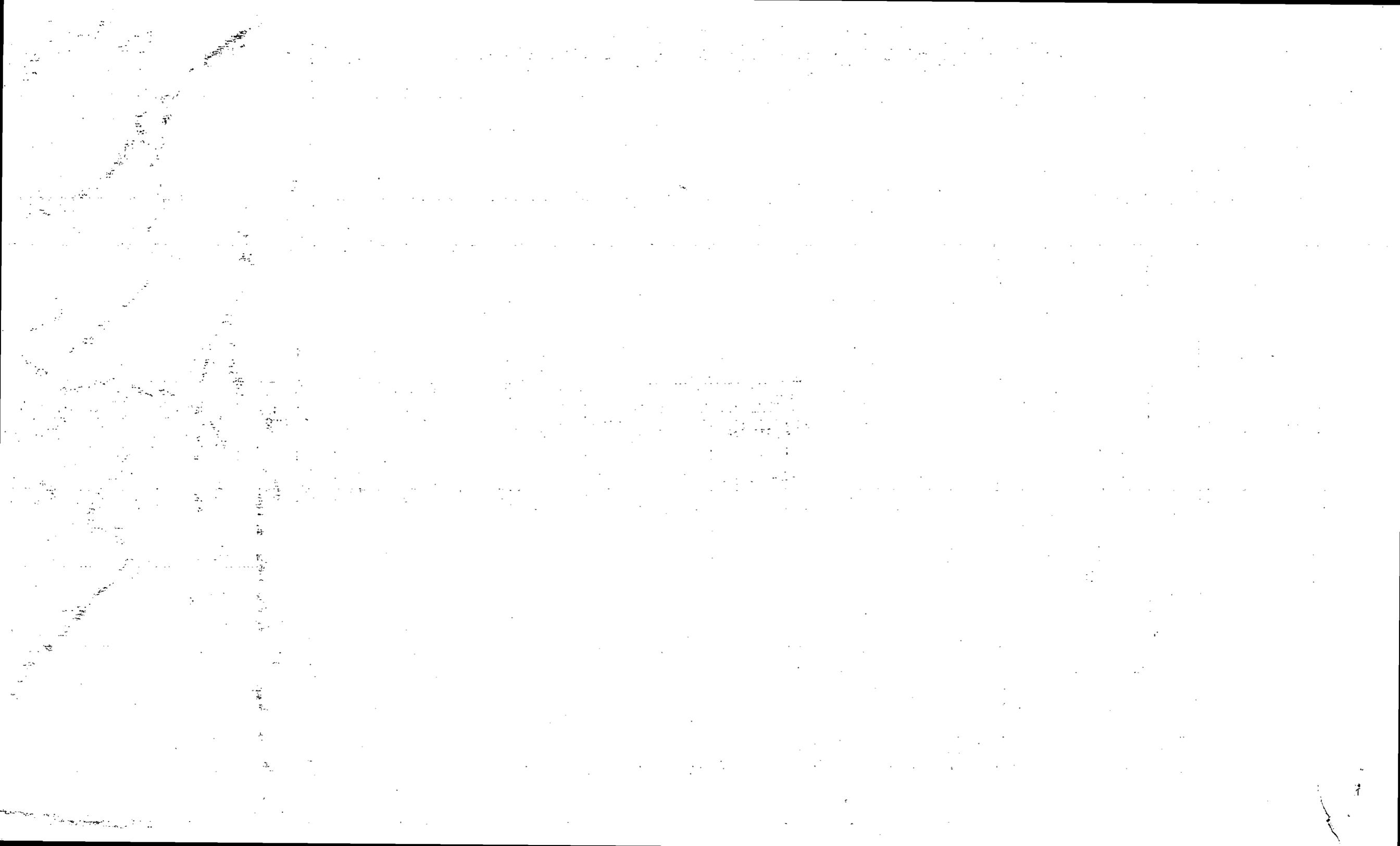
Production (Y-T-D) \_\_\_\_\_ MCF

Days or Months (Y-T-D) \_\_\_\_\_ mos.

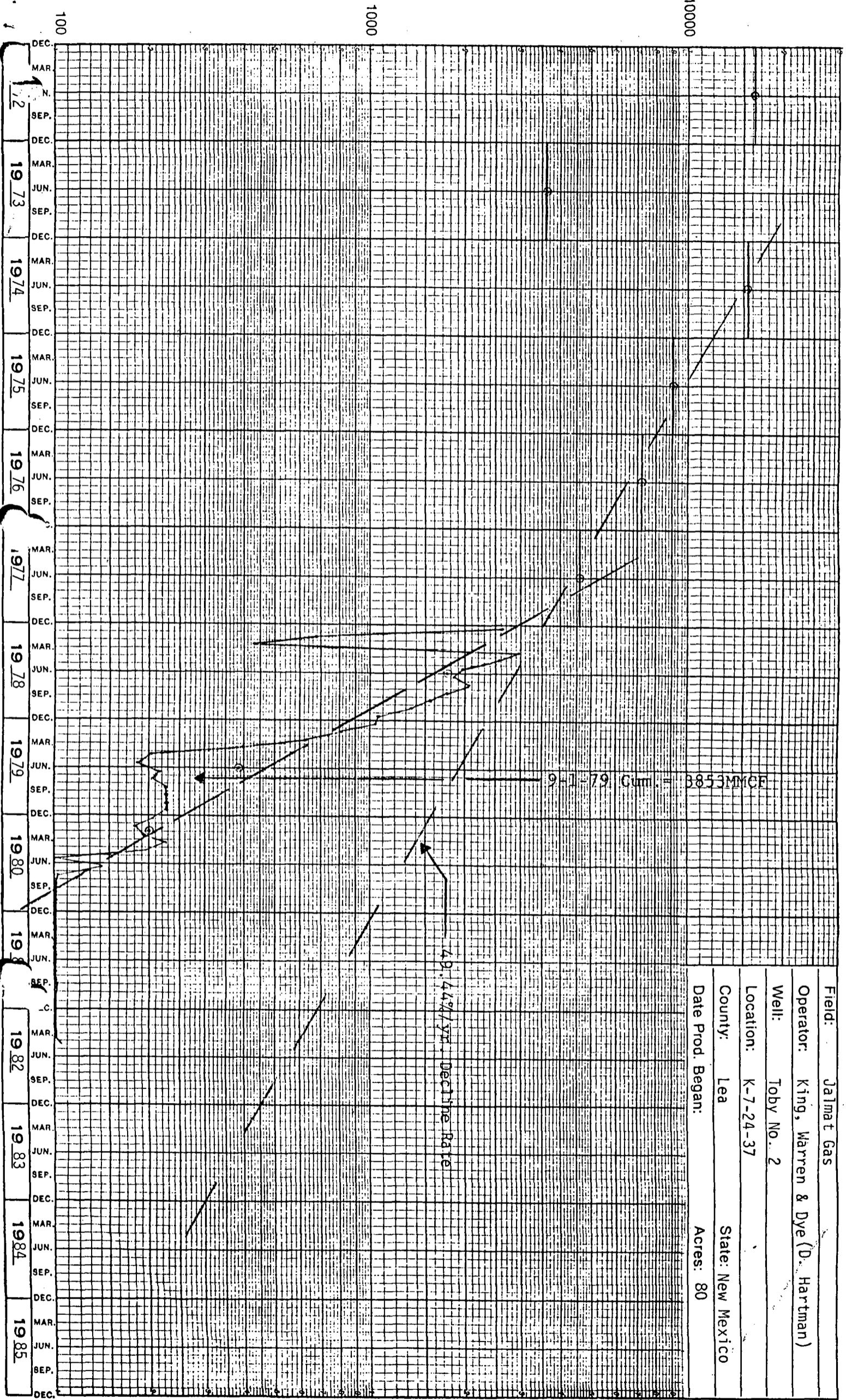
Avg. Rate (Y-T-D) \_\_\_\_\_ MCF/mo.







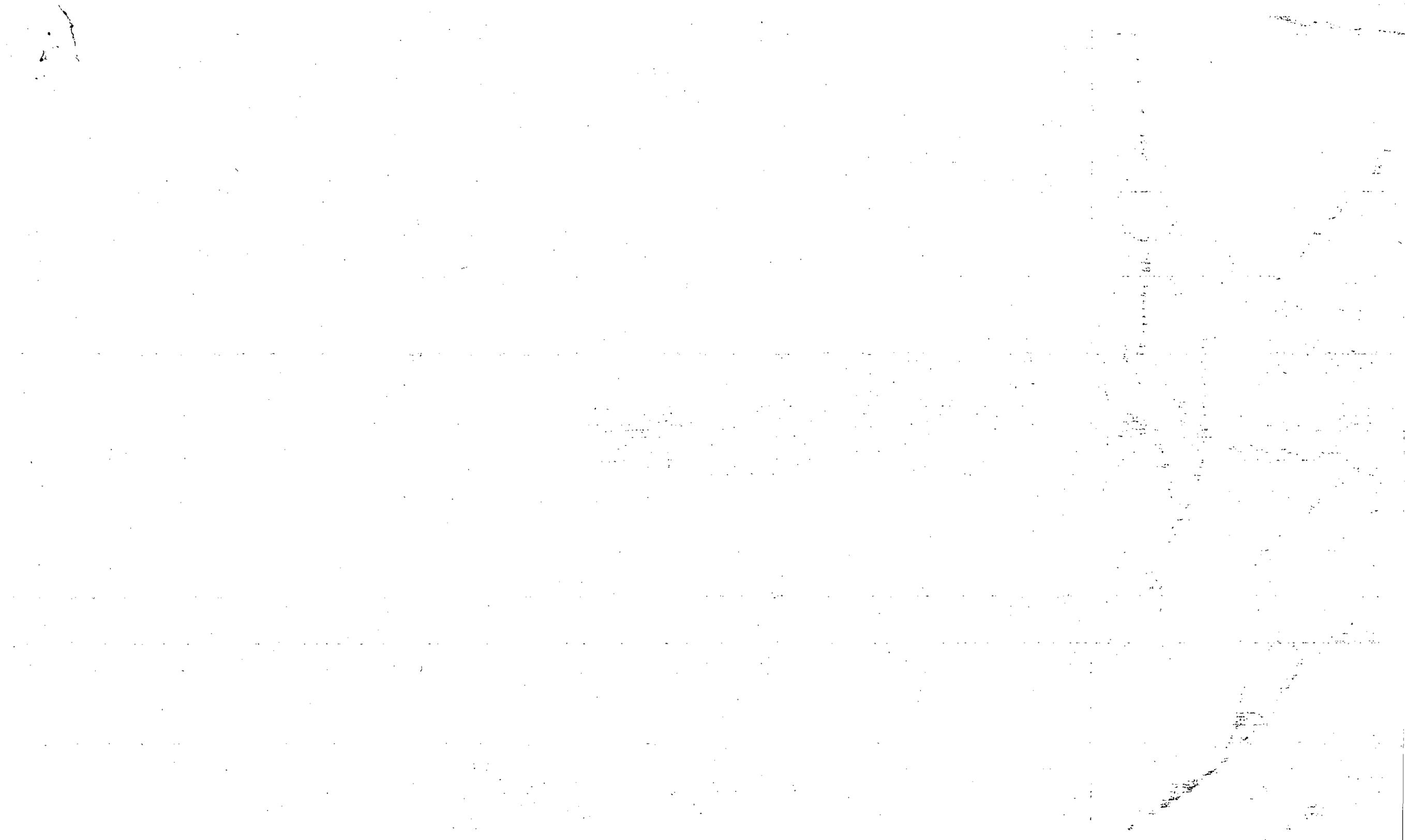
# Gas Production - MCF/month



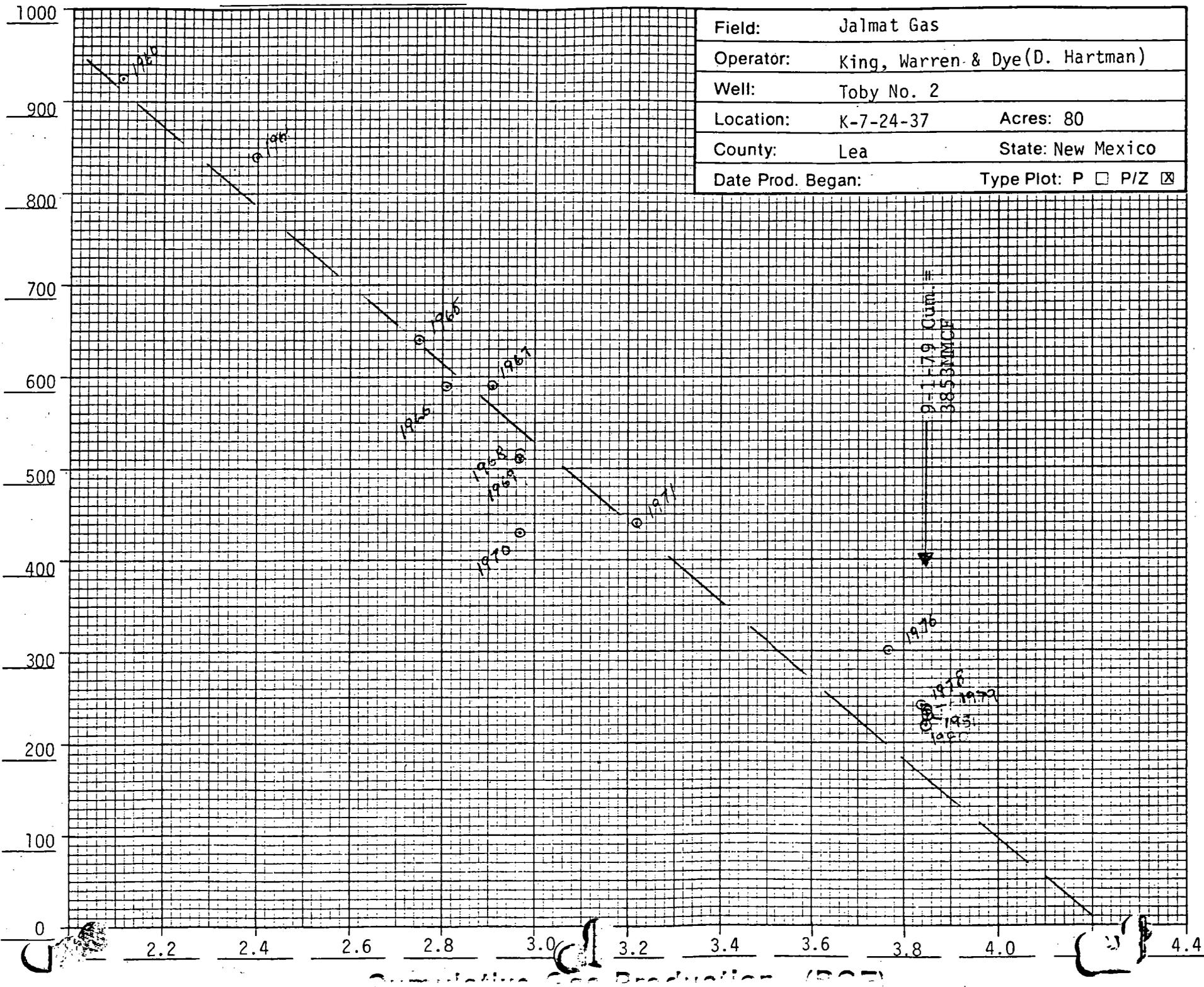
**Field:** Jalmat Gas  
**Operator:** King, Warren & Dye (D. Hartman)  
**Well:** Toby No. 2  
**Location:** K-7-24-37  
**County:** Lea  
**State:** New Mexico  
**Date Prod. Began:** \_\_\_\_\_  
**Acres:** 80

49.44%/yr. Decline Rate

9-1-79 Cum. = 8853MMCF



Pressure or P/Z - (psia)



Field:	Jalmat Gas	
Operator:	King, Warren & Dye (D. Hartman)	
Well:	Toby No. 2	
Location:	K-7-24-37	Acres: 80
County:	Lea	State: New Mexico
Date Prod. Began:	Type Plot: P <input type="checkbox"/> P/Z <input checked="" type="checkbox"/>	

9-1-79 Cum. =  
3853 MMCF

U

U

U

Cumulative Gas Production (MMCF)

STATE OF NEW MEXICO RECEIVED  
 DISTRIBUTION  
 SANTA FE  
 LIST  
 U.S.G.S.  
 LAND OFFICE  
 TRANSPORTER OIL GAS  
 OPERATOR  
 PRODUCTION OFFICE

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

Form C-104  
 Superseding 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) Other (Please explain)  
 New Well  Change In Transporter of: Oil  Dry Gas   
 Recompletion  Castinghead Gas  Condensate   
 Change In Ownership

If change of ownership give name and address of previous owner AA Energy Corporation, 1500 Fidelity Union Tower, Dallas, Texas 75201

**DESCRIPTION OF WELL AND LEASE**  
 Lease Name Toby Well No. 2 Pool Name, including Formation Jalmit (Yates-Seven Rivers) Kind of Lease State, Federal or Fee Fee Lease No. \_\_\_\_\_  
 Location  
 Unit Letter K ; 1980 Feet From The South Line and 1980 Feet From The West  
 Line of Section 7 Township 24S Range 37E , NMPM, Lea County

**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 Castinghead 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 88252  
 If well produces oil or liquids, give location of tanks. Unit Soc. Twp. Rge. Is gas actually connected? When  
Yes 1947

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 Restv.  Diff. Restv.

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

**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 (pitot, back pr.) \_\_\_\_\_ Tubing Pressure (shut-in) \_\_\_\_\_ Casing Pressure (shut-in) \_\_\_\_\_ 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.  
Larry G. Nims  
 Engineer (Signature)  
 Engineer (Title)  
 March 8, 1982 (Date)

**OIL CONSERVATION COMMISSION**  
**APR 2 1982**  
 APPROVED \_\_\_\_\_, 19\_\_\_\_  
 ORIGINAL SIGNED BY  
 BY JERRY SEXTON  
 TITLE DISTRICT 1 SUPR.  
 This form is to be filed in compliance with RULE 1104.  
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.  
 All sections of this form must be filled out completely for allowable on new and recompleted wells.  
 Fill out only Sections I, II, III, and VI for changes of name, well name or number, or transporter, or other such change of condition.

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

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

NO. OF COPIES DELIVERED	
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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

Operator **AA ENERGY CORPORATION**

Address **1500 Fidelity Union Tower, Dallas, Texas 75201**

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

New Well  Change in Transporter of:

Recompletion  Oil  Dry Gas

Change in Ownership  Casinghead Gas  Condensate

If change of ownership give name and address of previous owner **King, Warren & Dye, Dallas Federal Savings Tower, Suite 750  
8333 Douglas, Dallas, Texas 75225**

**DESCRIPTION OF WELL AND LEASE**

Lease Name <b>Toby</b>	Well No. <b>2</b>	Pool Name, including Formation <b>Jalpat (Yates-Seven Rivers)</b>	Kind of Lease State, Federal or Fee <b>Fee</b>	Lease No.
Location Unit Letter <b>K</b> , <b>1980</b> Feet From The <b>South</b> Line and <b>1980</b> Feet From The <b>West</b>				
Line of Section <b>7</b> Township <b>24 South</b> Range <b>37 East</b> , NMPM, <b>Lea</b> 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)
<b>El Paso Natural Gas Company</b>	<b>P. O. Box 1492, El Paso, TX 79978</b>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Pge. Is gas actually connected? When
	<b>Yes 1949</b>

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

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Dill. Res'
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, CR, 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

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

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

**GAS WELL**

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

*Kurt J. Sheppard*  
(Signature)  
**Senior Vice President**  
(Title)  
**February 20, 1980**  
(Date)

**OIL CONSERVATION COMMISSION**

APPROVED **FEB 26 1980**, 19

BY **Orig. Signed by Les Clements**  
**OIL & Gas Insp.**

TITLE

This form is to be filed in compliance with RULE 1-104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

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S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

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

1. In Unit Type of Lease  
 State  Fee   
 5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1.  OIL WELL  GAS WELL  OTHER  
 2. Name of Operator  
 King Warren & Dye  
 3. Address of Operator  
 Box 1505, Midland, Texas 79701  
 4. Location of Well  
 UNIT LETTER K 1980 FEET FROM THE west LINE AND 1980 FEET FROM  
south LINE, SECTION 7 TOWNSHIP 24 RANGE 37 N.M.P.M.

7. Unit Agreement Name  
 8. Firm or Lease Name  
 Toby  
 9. Well No.  
 2  
 10. Field and Pool, or Wildcat  
 Langlie-Mattix  
 12. County  
 Lea

15. Elevation (Show whether DF, RT, GR, etc.)  
 3323 DF

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

NOTICE OF INTENTION TO:  
 PERFORM REMEDIAL WORK  PLUG AND ABANDON   
 TEMPORARILY ABANDON  CHANGE PLANS   
 PULL OR ALTER CASING  OTHER Suspend Operations

SUBSEQUENT REPORT OF:  
 REMEDIAL WORK  ALTERING CASING   
 COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT   
 CASING TEST AND CEMENT JOBS  OTHER

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

This lease lies within the boundries of the proposed Skelly Myers Langlie-Mattix Unitization Area. As yet we have not joined the Unit. This well will be put back to work or plugged or sold pending settlement of its unit status.

THIS IS A DUAL OIL AND GAS WELL. IT IS CURRENTLY PRODUCING FROM BEHIND THE CASING FROM THE JALMAT PAY.

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

SIGNED John Thomas TITLE Agent DATE Oct 1 1974

APPROVED BY Joe D. Roney TITLE Dist. L. Supv. DATE OCT 10 1974

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

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

1. OIL WELL  GAS WELL  OTHER

2. Name of Operator  
**King Warren & Dye**

3. Address of Operator  
**Box 1505, Midland, Texas 79701**

4. Location of Well  
UNIT LETTER **K** **1980** FEET FROM THE **West** LINE AND **1980** FEET FROM  
**South** THE LINE, SECTION **7** TOWNSHIP **24 S** RANGE **37 E** NMPM.

7. Unit Agreement Name

8. Farm or Lease Name  
**Toby**

9. Well No.  
**2**

10. Field and Pool, or Wildcat

15. Elevation (Show whether DF, RT, GR, etc.)

12. County  
**Lea**

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER Temporarily Suspend Operations

PLUG AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOB

OTHER

ALTERING CASING

PLUG AND ABANDONMENT

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

Operations will be suspended on the oil portions of this lease pending clarification and completion of the plans for the proposed Meyers Unit being furthered by Skelly

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

SIGNED: [Signature] TITLE: Agent DATE: 9/29/71

APPROVED BY: Joe D. Ramey TITLE: \_\_\_\_\_ DATE: OCT 1 1971

COND. I, S. v.

CONDITIONS OF APPROVAL, IF ANY:

HOOBBS OFFICE OCC

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalpat Formation Yates MI 8:48 County Lea

Initial          Annual          Special X Date of Test 12-31-56 = 1-4-57

Company King, Warren & Dye Lease Toby Well No. 2

Unit K Sec. 7 Twp. 24S Rge. 37E Purchaser ELING

Casing 5 1/2 Wt.          I.D.          Set at 3423 Perf. 2910 To 3030

Tubing 2 Wt.          I.D.          Set at          Perf.          To         

Gas Pay: From 2910 To 3030 L 2910 xG .655 -GL 1906 Bar.Press. 13.2

Producing Thru: Casing X Tubing          Type Well G.O. Dual

Date of Completion: 7-25-47 Packer No Reservoir Temp.         

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps         

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h <sub>w</sub>	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
1.	4	2,000	846	4.41	89			892		72
2.	4	2,000	826	9.61	85			855		24
3.	4	2,000	826	9.61	85			839		24
4.	4	2,000	774	27.56	80			794		24
5.	4	2,000	690	69.72	76			721*		24

\*Not enough draw down - choke restriction

FLOW CALCULATIONS

No.	Coefficient F <sub>fp</sub> (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Compress. Factor F <sub>pv</sub>	Rate of Flow Q-MCFPD @ 15.025 psia
1.	25.58	61.55		.9732	.9571	1.077	1,579
2.	25.58	89.79		.9768	.9571	1.077	2,313
3.	25.58	147.28		.9813	.9571	1.072	3,793
4.	25.58	221.39		.9850	.9571	1.070	5,713

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio          cf/bbl.  
 Specific Gravity Separator Gas           
 Gravity of Liquid Hydrocarbons          deg.  
 Specific Gravity Flowing Fluid           
c 1.712 (1-e<sup>-s</sup>) .123 P<sub>c</sub> 905.2 P<sub>c</sub><sup>2</sup> 819.4

No.	P <sub>w</sub> P <sub>t</sub> (psia)	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-s</sup> )	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Cal. P <sub>w</sub>	P <sub>w</sub> /P <sub>c</sub>
1.	868.2	753.8	2.70	7.29	.9	754.7	64.7	868.7	.96
2.	852.2	726.2	3.96	15.68	1.9	728.1	91.3	853.3	.94
3.	807.2	651.6	6.49	42.12	5.2	656.8	162.6	810.4	.90
4.	754.2	539.0	8.78	95.65	11.8	550.8	208.6	742.2	.82

Absolute Potential: 14,800 MCFPD; n .839

COMPANY El Paso Natural Gas Co.

ADDRESS Box 1492, El Paso, Texas.

AGENT and TITLE         

WITNESSED Test conducted by Edward Fabe

COMPANY El Paso Natural Gas Company

REMARKS

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

1:05

Company or Operator King, Warren & Dye Lease Toby

Well No. 2 Unit Letter K S 7 T 24S R 37E Pool Langlie-Mattix

County Lea Kind of Lease (State, Fed. or Patented) Patented

If well produces oil or condensate, give location of tanks: Unit K S 7 T 24S R 37E

Authorized Transporter of Oil or Condensate Shell Oil Corporation

Address P. O. Box 1609, Midland, Texas

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address P. O. Box 1492, El Paso, Texas

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well

Change in Transporter of (Check One): Oil  Dry Gas  C'head  Condensate

Change in Ownership  Other

Remarks: (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 19 day of December 19 55

By [Signature]

Title Manager

Company King, Warren & Dye

Address P. O. Box 1505

Midland, Texas

Approved \_\_\_\_\_ 19 \_\_\_\_\_

OIL CONSERVATION COMMISSION

[Signature]

Title \_\_\_\_\_

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator King, Warren & Dye Lease Stuart  
 Address Box 1505 Midland, Texas  
 (Local or Field Office) (Principal Place of Business)  
 Unit K Wells No. 2 Sec. 7 T 24 R 37 Field Langlie-Mattix County Lea  
 Kind of Lease Oil & Gas Location of Tanks Center of Lease  
 Transporter El Paso Natural Gas Co. Address of Transporter Jal, New Mexico  
El Paso, Texas gas (Local or Field Office)  
 Percent of ~~33~~ to be transported 100. Other transporters author-  
 ized to transport ~~33~~ from this unit are None %  
 REMARKS:

Filed For Casinghead Gas

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the 1st day of April, 1945

KING, WARREN & DYE  
 (Company or Operator)  
 By John Thomas  
 Title Manager

State of TEXAS  
 County of MIDLAND

ss.

Before me, the undersigned authority, on this day personally appeared John Thomas known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the 1st day of April, 1945

Sally Clark  
 \_\_\_\_\_

Notary Public in and for Midland County, Texas

Approved: \_\_\_\_\_ 1945

OIL CONSERVATION COMMISSION

By M. L. Armstrong  
 \_\_\_\_\_

(See Instruction on Reverse Side)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

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-offs, 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	X
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	X	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			

Box 1505, Midland, Texas

Place

September 27, 1954

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 \_\_\_\_\_

King, Warren & Dye  
Company or Operator

Toby  
Lease

Well No. 2 in the

K Location of Sec. 7 T. 24, R. 37, N. M. P. M.,

Langlie Mattix Field, Lea County

The dates of this work were as follows: September 1 thru September 5

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tubing was pulled, open shot hole was sand pumped, and then cleaned out to bottom with reverse circulation equipment. Well was given a 6000 gal. Petro-Frac treatment down the casing followed by 200 barrels of load oil. Tubing was rerun with a packer and two GOT flow valves. Well was rigged up on surface for gas lift.

Witnessed by John Thomas  
Name

King, Warren & Dye  
Company

Manager  
Title

Subscribed and sworn to before me this 27th

day of September, 1954

Sally Clark  
Notary Public

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

Name John Thomas  
Position Manager

Representing King, Warren & Dye  
Company or Operator

My Commission expires 5/1/55

Address Box 1505, Midland, Texas

Remarks:

J. G. Stanley  
Name  
Title

NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2045  
HOBBS, NEW MEXICO

DATE April 21, 1954

TO: King Warren & Dye  
Box 270, Midland, Texas

GENTLEMEN:

Form C-104 for your Toby 2 7-24-37 Langmat  
LEASE WELL S.T.R. POOL

has been approved, however, since this well is:

- ( ) An unorthodox location,
- (  ) Located on an unorthodox proration unit,
- ( ) Outside the boundaries of a designated pool,

it will be necessary for you to;

- ( ) Comply with the provisions of Rule 4 of Commission Order \_\_\_\_\_
- (  ) Comply with the provisions of Rule 7 of Commission Order R 369 A
- ( ) File Form C-123

Pending further Commission action this unit will be assigned an 80 Acres acre allowable.

Previous report failed to assign acreage.

This is corrected report. Well is a braden-head well producing gas in Langmat Pool and Oil from Langlie-Mattix.

Stanley J. Stanley  
A. L. Porter, Jr.  
Proration Manager

ALP/pb

cc/ Transporter El Paso Natural Gas Co.

NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2045  
HOBBS, NEW MEXICO

DATE April 9, 1954

TO: King, Warren & Dye  
Box 270, Midland, Texas

GENTLEMEN:

Form C-104 for your Toby 2 K 7-24-37 Langlic-Mattix  
LEASE WELL S.T.R. POOL

*180 Acres*  
*Langmat*

has been approved, however, since this well is:

- ( ) An unorthodox location,
- ( ) Located on an unorthodox proration unit,
- ( ) Outside the boundaries of a designated pool,

it will be necessary for you to;

- ( ) Comply with the provisions of Rule 4 of Commission Order \_\_\_\_\_
- ( ) Comply with the provisions of Rule 7 of Commission Order \_\_\_\_\_
- ( ) File Form C-123

Pending further Commission action this unit will be assigned an \_\_\_\_\_ acre allowable.

The above well is reclassified as a gas-oil dual producing gas between csg. annulus and oil through tbg. Well will appear on the oil & gas schedule.

Stanley J. Stanley  
A. L. Porter, Jr.  
Proration Manager

ALP/pb

cc/ Transporter El Paso Natural Gas Co.

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2045  
HOBBS, NEW MEXICO

DATE January 8, 1954

TO: King, Warren & Dye  
Box 270, Midland, Texas

GENTLEMEN:

Form C-104 for your Toby 2 7-24-37 Langlie-Mattix  
LEASE WELL S.T.R. POOL

has been approved, however, since this well is:

- An unorthodox location,
- Located on an unorthodox proration unit,
- Outside the boundaries of a designated pool,

it will be necessary for you to;

- Comply with the provisions of Rule 4 of Commission Order \_\_\_\_\_
- Comply with the provisions of Rule 7 of Commission Order \_\_\_\_\_
- File Form C-123

Pending further Commission action this unit will be assigned an \_\_\_\_\_ acre allowable.

The above well exceeds the vertical limits of the Langmat gas pool and is classified as a gas well in an oil pool. Gas production will be governed by the rules of the Langlie-Mattix oil Pool. The G.O.R. limit is unlimited.

Stanley J. Stanley  
A. L. Porter, Jr.  
Proration Manager

ALP/pb

cc/ Transporter El Paso Natural Gas Co.

*The above*

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
JAN 7 1954  
New Well  
Recompletion  
OIL CONSERVATION COMMISSION  
HOBBBS OFFICE

REQUEST FOR (OIL) - (GAS) ALLOWABLE

This form shall be submitted by the operator before an initial allowable will be assigned to Form C-104 is to be submitted in QUADRUPPLICATE to the same District Office to which Form C-104 was submitted. 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.

Midland, Texas (Place) January 5, 1954 (Date)

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

King, Warren & Dye (Company or Operator) Well No. 2, in NE 1/4 SW 1/4, (Case) T. 24 S, R. 37 E, NMPM., Langtic-Mattix Pool  
K (Unit) Sec. 7, Lea County. Date Spudded 6-29-47, Date Completed 7-26-47

Please indicate location:

	X		

Elevation 3323 Total Depth 3570, P.B.

Top gas pay 2872 Top of Prod. Form 2872

Casing Perforations: or

Depth to Casing shoe of Prod. String 2789

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 8 million cu. ft./day

Size choke in inches 1"

Date first oil run to tanks or gas to Transmission system:

Transporter taking Oil or Gas: El Paso Natural

Casing and Cementing Record

Size	Feet	Sax
13-3/8	150	200
8-5/8	2789	700
5-1/2	3423	250

Remarks: New proration rules

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

Approved JAN 8 1954, 19.

(Company or Operator)

By: King, Warren & Dye (Signature)

Title: Production Supt. Send Communications regarding well to:

Name: John Thomas

Address: Box 1505, Midland, Texas

OIL CONSERVATION COMMISSION  
By: J. G. Stanley  
Title: Engineer District

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
JAN 7 1954  
OIL CONSERVATION COMMISSION  
HOBBS-OFFICE  
(Form C-101  
7/1/52)

It is necessary that Form C-104 be approved before this form can be approved an initial allowable well. Submit this form in QUADRUPPLICATE.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator King, Warren & Dye Lease Toby

Address Box 1505, Midland, Texas Midland, Texas  
(Local or Field Office) (Principal Place of Business)

Unit K, Well(s) No. 2, Sec. 7, T. 24 S, R. 37 E, Pool Langlie-Hattix

County Lea Kind of Lease: Private Land

If Oil well Location of Tanks.....

Authorized Transporter El Paso Natural Gas Address of Transporter.....

(Local or Field Office) (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported 100% Other Transporters authorized to transport Oil or Natural Gas from this unit are.....

Humble Pipe Line Company Oil 100%

REASON FOR FILING: (Please check proper box)

- NEW WELL.....  CHANGE IN OWNERSHIP.....
- CHANGE IN TRANSPORTER.....  OTHER (Explain under Remarks).....

REMARKS: New Proration rules

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.  
Executed this the 5th day of January 19 54

Approved JAN 8 1954, 19.....

OIL CONSERVATION COMMISSION  
By S. G. Stanley  
Title Engineer District 1

King, Warren & Dye  
By [Signature]  
Title Production Supt.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

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-offs, 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 Shut in Pressure test	X

Midland, Texas  
Place

June 26, 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

King, Warren & Dye

Toby

Well No. 2

in the

Company or Operator

Lease

NE 1/4 of SW 1/4

of Sec. 7

T. 24-S

R. 37-E

N. M. P. M.

Langlois-Intin

Field,

Los County, New Mexico

County

The dates of this work were as follows:

May 16, 1951

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

24 Hour shut in Pressure, PSIG 1131, taken with dead weight gauge.

RECEIVED  
JUL -2 1951  
OIL CONSERVATION COMMISSION  
HOBBS-OFFICE

Witnessed by Fred C. Bernard

Name

El Paso Natural Gas Co.

Company

Title

Subscribed and sworn to before me this

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

day of \_\_\_\_\_, 19\_\_\_\_

Name \_\_\_\_\_

Position \_\_\_\_\_

Notary Public

Representing \_\_\_\_\_

Company or Operator

My Commission expires \_\_\_\_\_

Address \_\_\_\_\_

Remarks:

John Thomas  
Name

Production Supt.  
Title

Oil & Gas Inspector

JUL -2 1951

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO

RECEIVED  
Form C-111  
AUG 29 1947  
OILS OFFICE

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator King, Warren and Dye Lease Toby

Address Box 270, Midland, Texas Midland, Texas  
(Local or Field Office) (Principal Place of Business)

Unit K Wells No 2 Sec. 7 24-S 37-E Field Langlie-Mattix County Lea

Kind of Lease Privately owned Location of Tanks Center of 80 acres

Transporter Humble Pipe Line Company Address of Transporter Midland, Texas  
(Local or Field Office)

Houston, Texas Percent of oil to be transported 100% Other transporters author-  
(Principal Place of Business)

ized to transport oil from this unit are \_\_\_\_\_ %  
REMARKS:

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the 28th day of August, 1947

King, Warren & Dye  
(Company or Operator)  
By Phil Yeckel  
Title Manager

State of TEXAS  
County of MIDLAND

ss.

Before me, the undersigned authority, on this day personally appeared Phil Yeckel known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the 28th day of August, 1947

H. D. Johnson  
H. D. JOHNSON, Notary Public  
MIDLAND COUNTY, TEXAS

Notary Public in and for Midland County,  
Approved: W. H. Johnson 1947

OIL CONSERVATION COMMISSION  
By Ray D. Yarnall

(See Instruction on Reverse Side)

Oil & Gas Inspector

TRIPPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

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

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
AUG 18 1947  
AUG 19 1947  
RECEIVED  
OIL CONSERVATION COMMISSION

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHUT OR CHEMICALLY TREAT WELL
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING
NOTICE OF INTENTION TO REPAIR WELL	<input type="checkbox"/>	
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG WELL

Midland, Texas  
Place

July 26, 1947  
Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the

King, Warren & Dye                      Toby                      Well No. 2                      in NE/4 of SW/4  
Company or Operator                      Lease  
of Sec. 7, T. 24-S, R. 37-E, N. M. P. M., Langlie-Mattix Field,  
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Propose to test 2789' 88 jts. 8 5/8 intermediate string casing with pump pressure.

AUG 19 1947

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

KING, WARREN AND DYE  
Company or Operator  
By Phil Yeckel  
Position Manager  
Send communications regarding well to

OIL CONSERVATION COMMISSION,  
By W. J. ...  
Title Oil & Gas Inspector

Name King, Warren and Dye  
Address Box 270  
Midland, Texas



SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17	13 3/8	150	200	Circulated		
11	8 5/8	2789	700	Plug		
7 7/8	5 1/2	3423	250	Plug		

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**RECORD OF SHOOTING OR CHEMICAL TREATMENT**

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
4"	Tin	Nitroglycerin	150 qt.	7/25	3480-3532	3564

Results of shooting or chemical treatment No natural test taken. After shot well flowed approximately 60 barrels per day.

**RECORD OF DRILL-STEM AND SPECIAL TESTS**

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

**TOOLS USED**

Rotary tools were used from Surface feet to 3570 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**Cleaning Out PRODUCTION**

Put to producing August 1, 1947  
 The production of the first 24 hours was 58 bbls. barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be 35°  
 If gas well, cu. ft. per 24 hours Approx. 8 million Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. Flowing pressure 1300

**EMPLOYEES**

C. R. Stanley Driller J. L. Lee Driller  
T. M. Brown Driller \_\_\_\_\_ Driller

**FORMATION RECORD ON OTHER SIDE**

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

Subscribed and sworn to before me this 11th day of August, 1947  
D. A. Johnson  
 Notary Public  
 My Commission expires JUL 1 1949  
 Place Midland, Texas August 11, 1947  
 Name P. H. G. G. G. G.  
 Position Manager  
 Representing King, Warren and Dye  
 Company or Operator  
 Address Box 270, Midland, Texas

D. JOHNSON, NOTARY PUBLIC  
 MIDLAND COUNTY, TEXAS

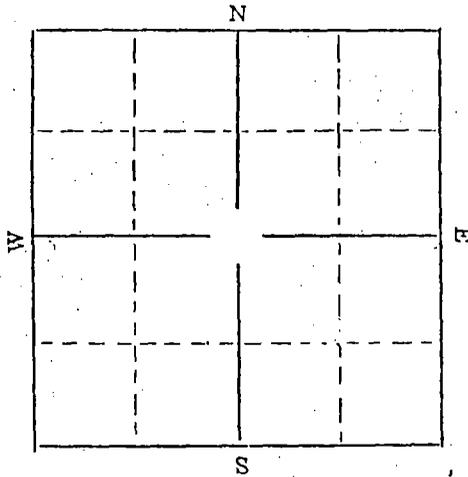
## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	73		Surface Caliche
73	646		Red Bed
646	865		Red Bed & Red Rock
865	1165		Anhydrite & Red Bed
1165	1238		Anhydrite, Red Bed, Sandy Shale
1238	1280		Anhydrite & Red Rock
1280	2250		Salt & Anhydrite
2250	2716		Anhydrite, Salt & Gyp
2716	2795		Anhydrite & Lime
2795	2900		Lime
2900	3005		Sand & Lime
3005	3570		Lime - Total Depth

Longhorn No. 1

# SCOUT REPORT

## NEW MEXICO OIL CONSERVATION COMMISSION



Company H. C. Warren & Dye  
 Farm Name Toby Well No. 2  
 Sec. 2 Twp. 24 Range 32 County 102  
 Feet from Line: N. 1980 S. E. 1980 W.  
 Elevation 3314 Method \_\_\_\_\_  
 Contractor \_\_\_\_\_  
 Spudded 6-29-17 Completed 7-3-17

### AMOUNT CASING & CEMENTING RECORD

Size	Feet	Inches	Sax Cement
<u>12 3/4</u>	<u>144</u>		<u>150</u>
<u>8 5/8</u>	<u>2789</u>		<u>700</u>
<u>5 1/2</u>	<u>3440</u>		<u>250</u>

### TUBING RECORD

### PACKER

Date		Date	
<u>7-9</u>	<u>JD 27938 1100</u>		
<u>7-16</u>	<u>JD 3272 R</u>		
<u>7-23</u>	<u>JD 3544 R</u>		
<u>7-30</u>	<u>JD 3570 L Moving in cable tools.</u>		
<u>8-6</u>	<u>JD 3370 L Chng out after</u>		
<u>8-13</u>	<u>JD 3574 L A.P. Flow 45</u>		
	<u>BOP D. then open 2" chg</u>		
	<u>JD 3561 Flow 36°</u>		

### ACID RECORD Gals.

	TA	TG
	TX	TSA
	TCA	TGI
	BX	TYo
	TY	TABo
	TSR	TPenn
Top Pay <u>3450</u>	TQ	TOrd

### SHOOTING RECORD

No. of Quarts	From	To
S/	S/	S/
S/	S/	S/
S/	S/	S/

Place Midland, Texas  
Date August 18, 1947

D	G	R	A
E	F	G	H
L	<del>K</del>	J	I
M	N	O	P

Glenn Staley  
Proration Office  
Hobbs, New Mexico

Designate UNIT well is located in \_\_\_\_\_

NOTICE OF COMPLETION OF: (Lease) Toby Well No. 2  
1980' North feet from South line: 1980' East feet from West line  
Section 7 Township 24-S Range 37-E

DATE STARTED 6-29-47  
DATE COMPLETED 7-23-47  
ELEVATION 3323  
TOTAL DEPTH S.L. 3570  
CABLE TOOLS \_\_\_\_\_ ROTARY TOOLS X

CASING RECORD

SIZE	<u>13 3/8</u>	DEPTH	<u>150</u>	SAX CEMENT	<u>200</u>
SIZE	<u>8 5/8</u>	DEPTH	<u>2789</u>	SAX CEMENT	<u>700</u>
SIZE	<u>5 1/2</u>	DEPTH	<u>3423</u>	SAX CEMENT	<u>250</u>

TUBING RECORD

SIZE 2 EUE DEPTH 3564'

ACID RECORD

NO. GALS. \_\_\_\_\_  
NO. GALS. \_\_\_\_\_  
NO. GALS. \_\_\_\_\_

SHOT RECORD

NO. QTS. 150 Qts. Nitroglycerine  
NO. QTS. \_\_\_\_\_  
NO. QTS. \_\_\_\_\_

FORMATION TOPS

Anhydrite \_\_\_\_\_  
Top Salt \_\_\_\_\_  
Base Salt \_\_\_\_\_  
Red Sand \_\_\_\_\_  
Brown Lime \_\_\_\_\_  
White Lime \_\_\_\_\_  
Oil or Gas Pay 3450 - 3565 - Oil Gas 2885- 3100  
Water \_\_\_\_\_

Initial Production Test \_\_\_\_\_ Pumping \_\_\_\_\_ Flowing \_\_\_\_\_ Flowing \_\_\_\_\_  
Test After Acid or Shot No natural test taken. After shot well flowed approximately  
60 barrels per day.

Initial GAS VOLUME \_\_\_\_\_

SCHEDULE NO. \_\_\_\_\_ DATE \_\_\_\_\_

PIPE LINE TAKING OIL Humble Pipe Line Company

REMARKS: \_\_\_\_\_ COMPANY: KING, WARREN AND DYE

\_\_\_\_\_ SIGNED BY: [Signature]

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION CONSERVATION COMMISSION SANTA FE, NEW MEXICO

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

RECEIVED AUG 11 1947 HOBBBS 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-offs, result of plugging operations, even though the work was witnessed by an agent of the commission. Reports on minor operations should 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:

Table with 2 columns: Report type (e.g., REPORT ON BEGINNING DRILLING OPERATIONS) and a checked box (X) for 'REPORT ON RESULT OF TEST OF CASING SHUT-OFF'.

Midland, Texas

August 4, 1947

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

King, Warren & Dye Company or Operator Toby Lease Well No. 2 In the

NE/4 of SW/4 of Sec. 7 T. 24-S, R. 37-E, 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

Built up 1250 lbs. pressure on 3440' 5 1/2 oil string.

Witnessed by Phil Yackol King, Warren & Dye Manager

Subscribed and sworn to before me this 4th

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

day of August 19 47 Notary Public

Name Phil Yackol Position Manager

Representing King, Warren & Dye Company or Operator

My Commission expires July 1 1949

Address Box 270, Midland, Texas

Remarks:

Signature of Notary Public, Oil & Gas Inspector

APPROVED AUG. 19 1947

MISCELLANEOUS REPORTS ON WELL

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-offs, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on other 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	X	REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL		

RECEIVED  
AUG 19 1947  
HOBB'S OFFICE

Midland, Texas

August 2, 1947

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 \_\_\_\_\_

King, Warren & Dye Toby Well No. 2 in the  
Company of Operator Lease  
NE/4 of SW/4 of Sec. 7 T. 24-S, R. 37-E, N. M. P. M.,  
Lenglio-Mattix Field, Loa 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

Built up 1100 lbs. pressure on 2789' 88 jts. 8 5/8" intermediate string.

Witnessed by Phil Yeckel King, Warren & Dye Manager  
Name Company Title

Subscribed and sworn to before me this 2nd

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

day of August, 1947

Name Phil Yeckel

W.A. Johnson  
Notary Public

Position Manager

Representing King, Warren & Dye  
Company or Operator

My Commission expires JUN 1 1949

Address Box 270, Midland, Texas

Remarks:

Roy Yankrauth  
Oil & Gas Inspector  
Title

APPROVED  
AUG 19 1947

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

MISCELLANEOUS REPORTS ON WELL

TRIPPLICATE

AUG 19 1947  
RECEIVED  
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-offs, result of plugging of well and other important operations, even though the work was witnessed by an agent of the commission. All reports and 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	X	REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL		

Midland, Texas

July 30, 1947

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

King, Warren & Dye Company or Operator Toby Lease Well No. 2 in the NE/4 of SW/4 of Sec. 7 T. 24-S R. 37-E, N. M. P. M., Langlo-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

Built up 800 lbs. pressure on 150' 13 3/8" surface casing.

Witnessed by Phil Yeckel King, Warren & Dye Manager  
Name Company Title

Subscribed and sworn to before me this 30th day of July, 1947

W. Johnson  
Notary Public

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

Name Phil Yeckel

Position Manager

Representing King, Warren & Dye  
Company or Operator

My Commission expires JUN 1 1949

Address Box 270, Midland, Texas

Remarks:

APPROVED  
Date AUG 19 1947

Ray Yarbrough  
Name  
Oil & Gas Inspector

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

DUPLICATE

MISCELLANEOUS NOTICES

RECEIVED  
AUG 15 1947  
AUG 19 1947  
HOBBS OFFICE

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

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHUT OR CHEMICALLY TREAT WELLS
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG OR OTHERWISE ALTER CASING
NOTICE OF INTENTION TO REPAIR WELL	<input type="checkbox"/>	
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG WELL

Midland, Texas July 28, 1947

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the \_\_\_\_\_

King, Warren & Dye Company of Operator Lease Toby Well No. 2 in NE/4 of SW/4 of Sec. 7 T. 24-S R. 37-E N. M. P. M., Langlie-Mattix Field, Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Propose to test 3440' 5 1/2" 14#, 15 1/2# & 17# oil string with pump pressure.

Approved AUG 19 1947 19  
except as follows:

KING, WARREN & DYE, Inc.  
By Phil Zachel  
Position Manager  
Send communications regarding well to

OIL CONSERVATION COMMISSION,  
By Roy Yarbrough  
Title Oil & Gas Inspector

Name King, Warren & Dye  
Address Box 270  
Midland, Texas

**DUPLICATE**

**MEXICO OIL CONSERVATION COMMISSION**

Santa Fe, New Mexico

**MISCELLANEOUS NOTICES**

**AUG 15 1947**

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

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHUT OR CHEMICALLY TREAT WELL
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	NOTICE OF INTENTION TO PUMP OR OTHERWISE ALTER CASING
NOTICE OF INTENTION TO REPAIR WELL	<input type="checkbox"/>	
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG WELL

**AUG 19 1947**  
**RECEIVED**  
**OIL CONSERVATION COMMISSION**

Midland, Texas  
Place

July 23, 1947  
Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

King, Warren & Dye Toby Well No. 2 in N E/4 of SW/  
Company or Operator Lease  
of Sec. 7, T. 24-S, R. 37-E, N. M. P. M., Langlie-Mattix Field,  
Lea County.

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

Propose to test 150' 13 3/8 surface casing with pump pressure.

**AUG 19 1947**

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

**KING, WARREN AND DYE**

By *D. H. Speckel*  
Company or Operator

Position **Manager**

Send communications regarding well to

OIL CONSERVATION COMMISSION,

By *Max Yankovich*  
Title **Oil & Gas Inspector**

Name **King, Warren & Dye**

Address **Box 270**

**Midland, Texas**

**NEW MEXICO OIL CONSERVATION COMMISSION**  
 Santa Fe, New Mexico  
**NOTICE OF INTENTION TO DRILL**

RECORDED  
 JUL 1 1947  
 HOBBBS OFFICE

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following additional instruction in Rules and Regulations of the Commission.

Midland, Texas Place June 28, 1947 Date

OIL CONSERVATION COMMISSION,  
 Santa Fe, New Mexico.

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as \_\_\_\_\_

King, Warren & Dye Well No. 2 in NE/4 of SW/4  
 Company or Operator Lease

of Sec. 7, T. 24-S, R. 37-E, N. M. P. M. Langlie-Mattix Field, Lea County

N.

The well is 1980 feet (N.) (~~S.~~) of the South line and 1980 feet

(E.) (~~W.~~) of the West line of Section 7

(Give location from section or other legal subdivision lines. Cross out wrong directions)

If state land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_

If patented land the owner is George Toby

Address Cooper, New Mexico

If government land the permittee is \_\_\_\_\_

Address \_\_\_\_\_

The lessee is King, Warren & Dye

Address Box 270, Midland, Texas

We propose to drill well with drilling equipment as follows: Rotary


AREA 640 ACRES  
 LOCATE WELL CORRECTLY

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: \_\_\_\_\_

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
15"	13 3/8	6116	2nd Hand	250	Cemented	150
11"	8 5/8	3216	2nd Hand	2900	Cemented	750
7 7/8"	5 1/2	1416	New	3400	Cemented	250

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil and gas sand should occur at a depth of about \_\_\_\_\_ feet.

Additional information:

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

Sincerely yours,  
KING, WARREN AND DYE  
 Company of Operator  
 By [Signature]  
 Position Manager  
 Send communications regarding well to  
 Name King, Warren and Dye  
 Address Box 270, Midland, Texas

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

30-025-27786



NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

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

5A. Indicate Type of Lease  
STATE  FEDERAL

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Name of Lease Name  
Toby

9. Well No.  
3

10. Field and Pool, or Well Unit  
Jalmat (Gas)

12. County  
Lea

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

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

c. Name of Operator  
Doyle Hartman

d. Address of Operator  
P. O. Box 10426, Midland, Texas 79702

e. Location of Well  
 UNIT LETTER L LOCATED 1780 FEET FROM THE South LINE  
1100 FEET FROM THE West LINE OF SEC. 7 TWP. 24-S RGE. 37-E MOUNTAIN

11. Proposed Depth  
3450

19A. Formation  
Yates-Seven Rivers

20. Rotary or C.R.P.  
Rotary

f. Elevation (Show whether DE, RL, etc.)  
3303.0 G.L.

21A. RMT & Status Plug. Head  
Multi-Well Approved

21B. Drilling Contractor  
Kenai

22. Approx. Date Work will start  
April, 1982

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	9 5/8	40.5	400	300	Surface
8 3/4	7	23.0	3450	600	Surface

The proposed well will be drilled to a total depth of 3450 feet and will be completed as a Jalmat (Yates-Seven Rivers) gas producer. From the base of the surface pipe through the running of the production casing, the well will be equipped with a 3000 psi double ram BOP system.

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

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 11/6/82  
UNLESS DRILLING UNDERWAY

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

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

By Larry G. Newman Title Engineer Date March 31, 1982

(This space for State Use)  
ORIGINAL SIGNED BY  
JERRY SEXTON

APPROVED BY DISTRICT 1 SUPR. TITLE \_\_\_\_\_ DATE MAY 6 1982

CONDITIONS OF APPROVAL, IF ANY:

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

Form C-10,  
Supersedes C-128  
Effective 1-1-85

All distances must be from the outer boundaries of the Section

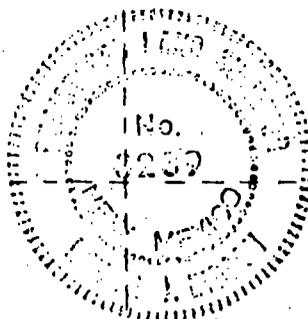
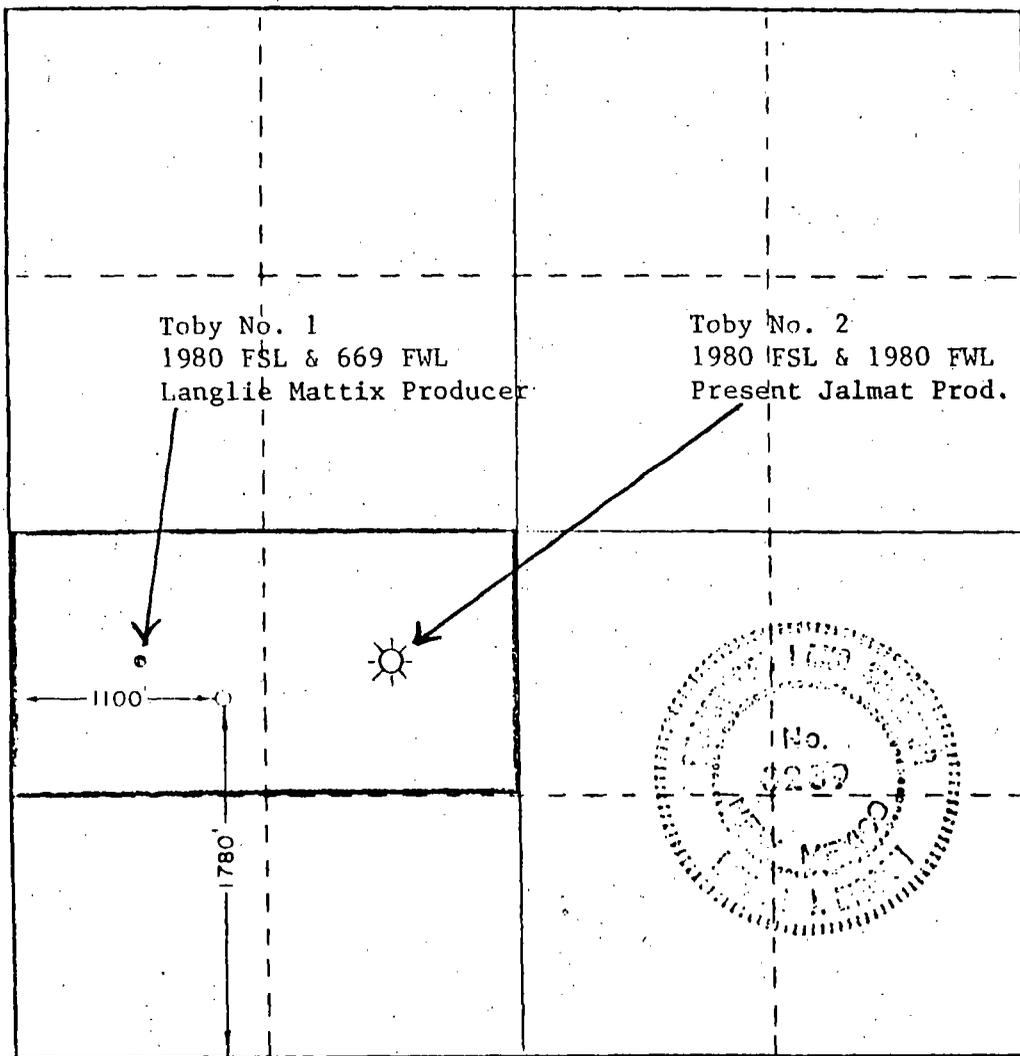
Operator <b>Doyle Hartman</b>			Lessee <b>Toby</b>			Well No. <b>3</b>		
Grid Letter <b>T</b>	Section <b>7</b>	Township <b>24-S</b>	Range <b>37-E</b>	County <b>Lea</b>				
Actual Location of Well: <b>1780</b> feet from the <b>South</b> line and <b>1100</b> feet from the <b>West</b> line								
Ground Level Elev. <b>3303.0'</b>	Producing Formation <b>Yates-Seven Rivers</b>			Pool <b>Jalmat (Gas)</b>			Estimated Acreage <b>80</b>	

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

Yes    No   If answer is "yes," type of consolidation \_\_\_\_\_

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

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



**CERTIFICATION**

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

**Larry Nermyr**

*Larry G. Nermyr*

**Engineer**

**Doyle Hartman**

**March 31, 1982**

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

Date Surveyed

**March 31, 1982**

Registered Professional Engineer and Plot and Surveyor

*Ronald J. Eidson*

Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6863**  
**Ronald J. Eidson 3239**

330 660 990 1320 1680 2040 2310 2640 2000 1500 1000 500 0

**OIL CONSERVATION DIVISION**  
 P. O. BOX 2048  
 SANTA FE, NEW MEXICO 87501

DATE RECEIVED	
POST OFFICE	
NAME	
ADDRESS	
CITY	
STATE	
ZIP CODE	
OPERATOR	

**SUMMARY NOTICES AND REPORTS ON WELLS**

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL A WELL OR TO PLUG OR TO A DIFFERENT RESERVOIR. USE THIS FORM ONLY FOR SUMMARY NOTICES AND REPORTS ON WELLS.

1. Type of Well:  OIL WELL  GAS WELL  OTHER

2. Name of Operator: **Doyle Hartman**

3. Address of Operator: **P. O. Box 10426, Midland, Texas 79702**

4. Location of Well:

UNIT LETTER	<b>L</b>	FEET FROM LINE	<b>1780</b>	DIRECTION	<b>South</b>	LINE AND	<b>1100</b>	FEET FROM
THE	<b>West</b>	LINE SECTION	<b>7</b>	QUARTER	<b>24S</b>	RANGE	<b>37E</b>	NEARBY

5. Indicate Type of U.S. Law:  State  Fed

6. State Oil & Gas Laws, if any:

7. Well Agreement Name:

8. Name of Lease Holder: **Toby**

9. Well No.: **3**

10. Field and Pool, if subject: **Jalmit (Gas)**

11. County: **Lea**

15. Location (Show whether DE, R, CR, etc.): **3303 G.L.**

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

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

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

Spudded well at 3:00 p.m. 5-28-82. Drilled 12 1/4" hole to a total depth of 430'. Ran 10 joints (427.89') of 9 5/8", 36 lb/ft, Grade B casing and landed at 430' RKB. Cemented with 250 sacks of Class C cement containing 2% CaCl. Plug down at 11:30 p.m. 5-29-82. Circulated 100 sx of excess cement to pit. WOC 18 hours. Pressure tested casing to 700 psi. Pressure held okay.

JUN 4 1982

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

SIGNED: Michelle Semlue TITLE: Administrative Assistant DATE: 6-1-82

ORIGINAL SIGNED BY  
**JERRY SEXTON**

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: JUN 3 1982

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P. O. BOX 2038

SARASOTA FL, NEW MEXICO 87501

Form O-101  
Revised 10-1-

NO. OF COPIES RECEIVED	
POST OFFICE	
CITY	
STATE	
ZIP	
NAME OF OPERATOR	
OPERATION	

50. Indicate Type of Lease  
 State:     
 51. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REPER OR PLUG WELLS TO A DIFFERENT RESERVOIR.  
 USE APPLICATION FOR PERMIT (FORM O-101) FOR SUCH PROPOSALS.

OIL WELL  GAS WELL  OTHER

Name of Operator

Doyle Hartman

Address of Operator

P. O. Box 10426, Midland, Texas 79702

Location of Well

UNIT LETTER L 1780 FEET FROM THE South LINE AND 1100 FEET FROM

THE West LINE, SECTION 7 TOWNSHIP 24S RANGE 37E

15. Location (Show whether DE, RT, GR, etc.)

3303 G.L.

7. Unit Agreement Name

8. Form or Lease Name

Toby

9. Well No.

3

10. Field and Pool, or Well Unit

Jalmat (Gas)

12. County

Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK

PLUG AND ABANDON

REMEDIAL WORK

ALTERING CASING

TEMPORARILY ABANDON

CHANGE PLANS

COMMENCE DRILLING OPNS.

PLUG AND ABANDONMENT

PULL OR ALTER CASING

OTHER

CASING TEST AND CEMENT JOBS

OTHER

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

Drilled well to a total depth of 3450'. Ran 86 joints (3456.81') of 7" OD, 23 lb/ft, J-55, ST&C casing and landed bottom of casing at 3450' RKB. Cemented casing with 350 sx of Class C cement containing 3% Econolite and 1/4 lb/sx Floseal, followed by 150 sx of a 50-50 blend of API Class C cement and Pozmix A containing 9 lb/sx salt and 1/4 lb/sx Floseal. Circulated 40 sx of excess cement to pit. Pressure tested casing to 1500 psi. Pressure held okay.

JUN 11 1982

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

SIGNED Michelle Semler TITLE Administrative Assistant DATE 6-8-82  
 ORIGINAL SIGNED BY JERRY SEXTON  
 APPROVED BY DISTRICT 1 SUPER TITLE \_\_\_\_\_ DATE JUN 10 1982  
 CONDITIONS OF APPROVAL, IF ANY:

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

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

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

Operator **Doyle Hartman**

Address **500 North Main Midland, Texas 79702**

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

New Well  Change In Transporter of:

Recompletion  Oil  Dry Gas

Change In Ownership  Casinghead Gas  Condensate

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

**DESCRIPTION OF WELL AND LEASE**

Lease Name <b>Toby</b>	Well No. <b>3</b>	Pool Name, including Formation <b>Jalmat (Yates-Seven Rivers)</b>	Kind of Lease State, Federal or Fee <b>Fee</b>	Lease No.
Location				
Unit Letter <b>L</b>	<b>1780</b>	Feet From The <b>South</b>	Line and <b>1100</b>	Feet From The <b>West</b>
Line of Section <b>7</b>	Township <b>24S</b>	Range <b>37E</b>	NEEM	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)
<b>El Paso Natural Gas Company</b>	<b>P. O. Box 1384 Jal, New Mexico 88252</b>
If well produces oil or liquids, give location of tanks.	Is gas actually connected? <b>no</b> When <b>June 15, 1982</b>

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

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well <input type="checkbox"/>	Gas Well <input checked="" type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v. Diff. Hc. <input type="checkbox"/>
Date Spudded <b>5-28-82</b>	Date Compl. Ready to Prod. <b>6-12-82</b>	Total Depth <b>3450</b>	F.B.T.D. <b>3386</b>				
Elevations (H.F., R.H., R.T., GR., etc.) <b>3303 GL</b>	Name of Producing Formation <b>Yates-Seven Rivers</b>	Top Oil/Gas Pay <b>2897</b>	Tubing Depth <b>3262</b>				
Perforations <b>2897-3177 w/21 shots (Yates-Seven Rivers)</b>						Depth Casing Shoe <b>3450</b>	
<b>TUBING, CASING, AND CEMENTING RECORD</b>							
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET	SACKS CEMENT			
<b>12 1/4</b>	<b>9 5/8" 36 lb/ft</b>		<b>430</b>	<b>250 (circ)</b>			
<b>8 3/4</b>	<b>7" 23 lb/ft</b>		<b>3450</b>	<b>500 (circ)</b>			

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

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

**GAS WELL**

Actual Prod. Test-MCF/D <b>194</b>	Length of Test <b>24 hours</b>	Bble. Condensate/MCF <b>----</b>	Gravity of Condensate <b>----</b>
Testing Method (Inlet, back pr.) <b>Orifice tester</b>	Tubing Pressure (Shot-in) <b>----</b>	Casing Pressure (Shot-in) <b>(SICP= 196) PCP= 192</b>	Choke Size <b>14/64"</b>

**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.

*Doyle Hartman*  
 (Signature)  
**Engineer**  
 (Title)  
**June 14, 1982**  
 (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 deviate tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for all wells on new and recompleted wells. Fill out only Sections I, II, III, and VI for changes of well name or number, or transportation, or other such change of conditions. Separate Form C-104 must be filed for each pool in multi-completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED \_\_\_\_\_  
DISTRIBUTION \_\_\_\_\_  
CAPITAL \_\_\_\_\_  
FILE \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
LAND OFFICE \_\_\_\_\_  
OPERATOR \_\_\_\_\_

5a. Indicate Type of Lease  
State  Fee   
5b. State Oil & Gas Lease No. \_\_\_\_\_  
7. Unit Agreement Date \_\_\_\_\_  
8. Term or Lease Date  
Toby  
9. Well No.  
3  
10. Field or Field, or Wellcut  
Jalmat (Gas)

1b. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
1c. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. DESGR.  OTHER \_\_\_\_\_

2. Name of Operator  
Doyle Hartman  
3. Address, City and State  
P. O. Box 10426 Midland, Texas 79702  
4. Location of Well

UNIT LETTER L LOCATED 1780 FEET FROM THE South LINE AND 1100 FEET FROM \_\_\_\_\_  
THE West LINE OF SEC. 7 TWP. 24S R5E. 37E \_\_\_\_\_  
Lea

15. Date Started 5-28-82 16. Date First Borehole 6-4-82 17. Date Comp. (Ready to Prod.) \_\_\_\_\_  
18. Location (DP, RKB, RT, GR, etc.) 3313 RKB 19. Flow (mbar per foot) 3303  
20. Type of Well 3450 21. If Multiple Comp L, How Many --- 22. Interval (Feet) 0-3450 23. Cable Tools \_\_\_\_\_  
24. Production Interval(s) of this completion - Top, Bottom, Name  
2897-3177 w/21 (Yates-Seven Rivers) 25. Was Lateral and Sure Hole? yes  
26. Type Elements and Other Log Tools CDL-DSN-GR and Guard Forxo 27. Was Well Cased? no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	36	430	12 1/4	250 sx (circ)	none
7	23	3450	8 3/4	500 sx (circ)	none

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8		none

31. Production Record (Interval, size and number)

21 holes with one shot each at:  
2897, 2907, 2913, 2920, 2933, 2940, 2951,  
2957, 2962, 2977, 2983, 2988, 3005, 3011,  
3087, 3092, 3101, 3114, 3167, 3171, 3177.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2897-3177	A/5600 15% MCA SWF/92,000 + 214,500

33. PRODUCTION

Date of Test 6-10-82 Completion Method (Flowing, gas lift, pumping - Size and type pump) Pumping Well Status (Prod. or Shut-in) shut-in

Date of Test	Hours Tested	Choke Size	Gas Prod. Per Test Period	Oil - BuL.	Gas - MCF	Water - BuL.	Gas-Oil Ratio
6-12-82	24	14/64	---	---	194	---	---

Flow Taking Test	Casing Pressure	Oil Gravity - API (Corr.)	Oil - BuL.	Gas - MCF	Water - BuL.	Oil Gravity - API (Corr.)
---	PCP= 192	---	---	194	---	---

34. Disposition of this (Said, used for fuel, vented, etc.) Vented Test Witnessed By Harold Swain

35. List of Attachments JUN 18 1982

36. I 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. Ramirez TITLE Engineer DATE June 14, 1982

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 a copy of all electrical and radio-activity logs on the well and a summary of all special tests conducted, including drill stem tests. All data reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Zones 29 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 _____ 1175	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 1275	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
D. Salt _____ 2730	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2889	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 3118	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 Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from..... 2897 .....	to..... 3177 .....	No. 4, from.....	to.....
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
1175	1275	100	Anhydrite				
1275	2730	1455	Anhydrite and Salt				
2730	2889	159	Dolomite and Anhydrite				
2889	3118	229	Sandstone and Dolomite				
3118	3455	337	Sandstone and Dolomite				

Offset Jalmat (Gas) Operators  
Toby Lease  
N/2 SW/4 Section 7, T-24-S, R-37-E  
Lea County, New Mexico

<u>Operator</u>	<u>Date of Notification</u>	<u>Date of Receipt</u>	<u>Date of Waiver</u>
Amoco Production Company	March 31, 1982	April 5, 1982	---
Getty Oil Company	March 31, 1982	April 2, 1982	April 2, 1982
Arco Oil and Gas Company	March 31, 1982	Unknown	Undated, but received by this office April 2, 1982
Conoco, Inc.	March 31, 1982	Unknown	April 19, 1982

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

March 31, 1982

Offset Jalmat (Gas) Operators  
Toby Lease  
N/2 SW/4 Section 7, T-24-S, R-37-E  
Lea County, New Mexico

Gentlemen:

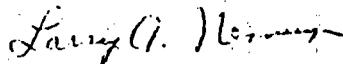
Please find enclosed a copy of our request to the New Mexico Oil Conservation Division for permission to dedicate the previously existing Toby No. 2 and the newly proposed Toby No. 3 to the non-standard proration unit consisting of N/2 SW/4 Section 7, T-24-S, R-37-E, Lea County, New Mexico. Our request also includes a request to drill the new well at an unorthodox location consisting of 1780 FSL & 1100 FWL Section 7, due to existing pipelines and surface equipment.

A third reason for our application is to inform the Division of our intention to request approval for the Toby No. 3 as a Section 103 infill well under the Natural Gas Policy Act of 1978 in the event it is completed as a commercial producer.

If you, as an offset operator, have no objection to our above stated requests, we respectfully request that you sign one copy of this letter and return it to this office in the enclosed stamped, self-addressed envelope. Your cooperation in this matter will be very much appreciated.

Very truly yours,

DOYLE HARTMAN



Larry Nermyr  
Engineer

Approved this 2nd day of April, 1982.

Amoco Production Company

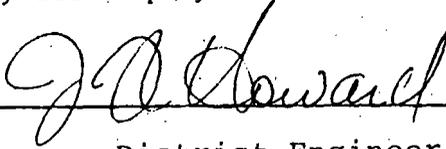
Arco Oil and Gas Company

TITLE \_\_\_\_\_

TITLE \_\_\_\_\_

Getty Oil Company

Conoco, Inc.

  
TITLE District Engineer

TITLE \_\_\_\_\_ APR 6 1982

**DOYLE HARTMAN**

*Oil Operator*

500 H. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

March 31, 1982

Offset Jalmat (Gas) Operators  
Toby Lease  
N/2 SW/4 Section 7, T-24-S, R-37-E  
Lea County, New Mexico

Gentlemen:

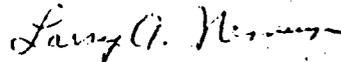
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Very truly yours,

DOYLE HARTMAN



Larry Nermyr  
Engineer

Approved this \_\_\_\_\_ day of April, 1982.

Amoco Production Company

Arco Oil and Gas Company

TITLE \_\_\_\_\_

TITLE B. R. Stokely

Getty Oil Company

Conoco, Inc.

TITLE \_\_\_\_\_

TITLE \_\_\_\_\_

APR 2 1982



Mark K. Mosley  
Division Manager  
Production Department  
Hobbs Division  
North American Production

Conoco Inc.  
P.O. Box 460  
726 E. Michigan  
Hobbs, NM 88240  
(505) 393-4141

April 19, 1982

Doyle Hartman  
500 N. Main  
P. O. Box 10426  
Midland, Texas 79702

Attention Larry Nermyr

Gentlemen:

Toby Lease, N/2 SW/4 Section 7, Township 24 South, Range 37 East,  
Lea County, New Mexico

Conoco Inc. has approved your letter ballot for your proposed Toby No. 3 and one copy is returned herewith.

Yours very truly,

M. K. Mosley  
Division Manager

HAI:mhe

Enclosure

APR 22 1982

**DOYLE HARTMAN**

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

March 31, 1982

Offset Jalmat (Gas) Operators  
Toby Lease  
N/2 SW/4 Section 7, T-24-S, R-37-E  
Lea County, New Mexico

Gentlemen:

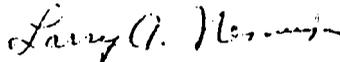
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Very truly yours,

DOYLE HARTMAN



Larry Nermyr  
Engineer

Approved this \_\_\_\_\_ day of April, 1982.

Amoco Production Company

Arco Oil and Gas Company

TITLE \_\_\_\_\_

TITLE \_\_\_\_\_

Getty Oil Company

Conoco, Inc.



TITLE \_\_\_\_\_

TITLE Division Manager

Toby Lease

PS Form 3811, Jan. 1979

**SENDER:** Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one)

Show to whom and date delivered..... 60¢

Show to whom, date and address of delivery..... 4¢

RESTRICTED DELIVERY  
Show to whom and date delivered..... 4¢

RESTRICTED DELIVERY.  
Show to whom, date, and address of delivery. \$ \_\_\_\_\_

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:

Getty Oil Company  
P. O. Box 1231  
Midland, Texas 79702

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	1964433	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE  Addressee  Authorized agent

4. DATE OF DELIVERY: APR 2 1982

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: USPS CLERK'S INITIALS: [Signature]

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

GPO : 1979-288-848

RECEIPT FOR REGISTERED MAIL

NO INSURANCE COVERAGE FOR LOSS OR DAMAGE TO REGISTERED MAIL  
NOT FOR RETURN TO SENDER  
(See Reverse)

PS Form 3800, Apr. 1976

SENT TO: Getty Oil Company  
P. O. Box 1231  
Midland, Texas 79702

POSTAGE	75
CERTIFIED MAIL	75
SPECIAL DELIVERY	
REGISTERED MAIL	
CONSULT POSTMASTER FOR FEES	
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	60
TOTAL POSTAGE AND FEES	\$1.89

POSTMARK OR DATE: 3-31-82

Toby Lease

RECEIPT FOR REGISTERED MAIL

NO INSURANCE COVERAGE FOR LOSS OR DAMAGE TO REGISTERED MAIL  
NOT FOR RETURN TO SENDER  
(See Reverse)

Amoco Production Company  
P. O. Box 3092  
Houston, Texas 77001

POSTAGE	75
CERTIFIED MAIL	60
SPECIAL DELIVERY	
REGISTERED MAIL	
CONSULT POSTMASTER FOR FEES	
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	
TOTAL POSTAGE AND FEES	\$1.35

POSTMARK OR DATE: 3-31-82

Toby Lease

PS Form 3811, Jan. 1979

PS Form 3811, Jan. 1979

**SENDER:** Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one)

Show to whom and date delivered..... 60¢

Show to whom, date and address of delivery..... 4¢

RESTRICTED DELIVERY  
Show to whom and date delivered..... 4¢

RESTRICTED DELIVERY.  
Show to whom, date, and address of delivery. \$ \_\_\_\_\_

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:

Amoco Production Company  
P. O. Box 3092  
Houston, Texas 77001

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	1964434	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE  Addressee  Authorized agent

4. DATE OF DELIVERY: APR 2 1982

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: USPS CLERK'S INITIALS: [Signature]

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

Toby Lease

GPO : 1979-288-848

PS Form 3811, Jan 1979  
RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

**SENDER:** Complete Items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)  
 Show to whom and date delivered. .... 60¢  
 Show to whom, date and address of delivery. ....  
 RESTRICTED DELIVERY  
 Show to whom and date delivered. ....  
 RESTRICTED DELIVERY  
 Show to whom, date, and address of delivery. \$ \_\_\_\_

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:  
 NMOCD  
 P. O. Box 2088  
 Santa Fe, New Mexico 87501

3. ARTICLE DESCRIPTION:  

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	1964435	

 (Always obtain signature of addressee or agent)

I have received the article described above.  
 SIGNATURE  Addressee  Authorized agent  
*Toby Lease*

4. DATE OF DELIVERY: \_\_\_\_\_  
 POSTMARK: **APR 30 1982**

5. ADDRESS (Complete only if requested): \_\_\_\_\_

6. UNABLE TO DELIVER BECAUSE: \_\_\_\_\_  
 CLERK'S INITIALS: \_\_\_\_\_

Toby Lease

PH 1954435

RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE COVER PROVIDED  
FOR LOSS OR DAMAGE TO MAIL  
(See Instructions)

NMOCD  
 P. O. Box 2088 87501  
 Santa Fe, New Mexico

CONSULT POSTMASTER FOR FEES	75
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	60
TOTAL POSTAGE AND FEES	135
POSTMARK OR DATE	3-31-82
	Toby Lease

PS Form 3810, Apr. 1976

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVER PROVIDED  
FOR LOSS OR DAMAGE TO MAIL  
(See Instructions)

Conoco, Inc.  
 P. O. Box 1959  
 Midland, Texas 79702

CONSULT POSTMASTER FOR FEES	75
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	60
TOTAL POSTAGE AND FEES	135
POSTMARK OR DATE	3-31-82
	Toby Lease

PS Form 3810, Apr. 1976

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVER PROVIDED  
FOR LOSS OR DAMAGE TO MAIL  
(See Instructions)

Arco Oil and Gas Company  
 P. O. Box 1610  
 Midland, Texas 79702

CONSULT POSTMASTER FOR FEES	75
OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	60
TOTAL POSTAGE AND FEES	135
POSTMARK OR DATE	3-31-82
	Toby Lease

PS Form 3810, Apr. 1976

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 521  
Order No. R-356

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION UPON ITS OWN MOTION FOR AN  
ORDER ESTABLISHING MEANS AND METHODS  
FOR THE PRORATION OF NATURAL GAS IN LEA,  
EDDY, CHAVES AND ROOSEVELT COUNTIES,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m., on March 17, 1953, April 16, 1953, May 19, 1953, June 16, 1953, July 16, 1953, and August 20, 1953, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 28th day of September, 1953, the Commission, a quorum being present, having considered the testimony adduced and the exhibits received in the hearings, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of the cause and the subject matter thereof.
- (2) That for the prevention of waste and protection of correlative rights proper special Rules and Regulations relating to the proration of gas-well gas produced in the gas pools of Lea, Eddy, Chaves and Roosevelt Counties, New Mexico, should be promulgated.

IT IS THEREFORE ORDERED:

SECTION A. That the following rules pertaining to gas well spacing in defined gas pools and acreage requirements for drilling tracts within the defined limits of gas pools in Eddy, Lea, Chaves and Roosevelt Counties, be and the same hereby are adopted effective immediately.

I. WELL SPACING; ACREAGE REQUIREMENTS FOR DRILLING TRACTS.

RULE 1. The Secretary of the Commission shall have authority to grant an exception to the requirements of Statewide Rule 104, Sections (a), (b), (c), and (d),

without notice and hearing where application has been filed in due form, and,

(a) When the necessity for the unorthodox location is based on topographical conditions, or is occasioned by the recompletion of a well previously drilled to another horizon, and

(b) When either one of the following is applicable:

1. When the ownership of all oil and gas leases within a radius of 1320 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location.

2. When all owners of oil and gas leases within such radius consent in writing to the proposed location.

(The above provisions of Rule 1 supersede Rule 104 (f).)

**RULE 2.** The provisions of Statewide Rule 104 Paragraph (k), shall not apply to gas pools located in Lea, Eddy, Chaves and Roosevelt Counties, New Mexico.

**SECTION .** That the following rules shall apply to defined gas pools in Eddy, Lea, Chaves and Roosevelt Counties only after hearings are held and an order issued on each individual pool. These rules shall be considered as "standby rules" and shall be used as a guide in establishing pool rules.

## II. GAS PRORATION.

**RULE 3.** At such time as the Commission determines that allocation of gas production from gas wells producing from any pool in this four-county area is necessary to prevent waste or to protect correlative rights, the Commission, after notice and hearing, shall consider the nominations of gas purchasers from such gas pool and other relevant data, and shall fix the allowable production of such pool, and shall allocate production among the gas wells in such pool upon a reasonable basis with due regard to correlative rights. Unless special pool rules are adopted as provided in Rule 4 below, the general provisions of this rule shall apply to each gas pool allocated under this rule.

**RULE 4.** After notice and hearing, the Commission, in order to protect correlative rights, or prevent waste, or both, may promulgate special rules, regulations or orders pertaining to any gas pool.

(The above provisions of Rules 3 and 4 supersede Statewide Rule 602)

## III. PRORATION UNITS.

**RULE 5.** For the purpose of gas allocation in the absence of special pool rules a standard proration unit shall consist of between 158 and 162 contiguous surface acres

substantially in the form of a square which shall be a legal subdivision (quarter section) of the U. S. Public Land Surveys; provided, however, that a gas proration unit other than a legal quarter section may be formed after notice and hearing by the Commission, or after the Commission has been furnished waivers from all offsetting operators, if all acreage is contiguous and does not contain more than four legal quarter-quarter sections and/or lots. Any allocation unit containing less than 158 acres or more than 162 acres shall be a non-standard unit and its allowable shall be decreased or increased to that proportion of the standard unit allowable that the number of acres contained therein bears to 160 acres. Any standard proration unit consisting of between 158 and 162 contiguous surface acres shall be considered as containing 160 acres for the purpose of gas allocation.

#### IV. GAS ALLOCATION.

**RULE 6.** At least 30 days prior to the beginning of each gas proration period the Commission shall hold a hearing after due notice has been given. The Commission shall cause to be submitted by each gas purchaser its "Preliminary Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration period, by months, from each gas pool from which it purchases gas. The Commission shall consider the "Preliminary Nominations" of purchasers, actual production, and such other factors as may be deemed applicable in determining the amount of gas that may be produced without waste within the ensuing proration period. "Preliminary Nominations" shall be submitted on a form prescribed by the Commission.

**RULE 7.** Each month, the Commission shall cause to be submitted by each gas purchaser its "Supplemental Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration month from each gas pool from which it purchases gas. The Commission shall hold a public hearing between the 15th and 20th days of each month to determine the reasonable market demand for gas for the ensuing proration month, and shall issue a proration schedule setting out the amount of gas which each well may produce during the ensuing proration month. Included in the monthly proration schedule shall be a tabulation of allowable and production for the second preceding month together with an adjusted allowable computation for the second preceding month. Said adjusted allowable shall be computed by comparing the actual allowable assigned with the actual production. In the event the allowable assigned is greater than the actual production, the allowables assigned the top allowable units shall be reduced proportionately, and in the event the allowable assigned is less than the production then the allowables assigned the top allowable units shall be increased proportionately. "Supplemental Nominations" shall be submitted on a form prescribed by the Commission.

The Commission shall include in the proration schedule the gas wells in the pool delivering to a gas transportation facility, or lease gathering system, and shall include in the proration schedule of such pool any well which it finds is being unreasonably discriminated against through denial of access to a gas transportation facility, which is reasonably capable of handling the type of gas produced by such well.

The total allowable to be allocated to the pool each month shall be equal to the sum of the supplemental nominations together with any adjustment which the Commission deems advisable.

**RULE 8.** The allocation to a pool remaining after subtracting the capacities of marginal units shall be divided and allocated ratably among the non-marginal units in the proportion that the acreage contained in each unit bears to the total acreage allotted to such non-marginal units; provided that for this purpose standard units shall be as defined in Rule 5 above. More than one proration unit or fractional parts thereof may be assigned to a gas well and the allowables assigned said well may be increased proportionately, provided that:

a. No more than 640 acres shall be assigned to any one well.

b. All acreage in such units may reasonably be presumed to be productive of gas.

c. The multiple unit so formed shall not have an overall length or width exceeding 5,280 feet.

d. Where not more than two proration units are assigned to a well, the well shall not be located closer than 660 feet to the longest boundary of the pooled units nor less than 1320 feet from the shortest boundary of the pooled units. Where three or more units are pooled the well shall not be located closer than 1320 feet to the outer boundary of the pooled unit.

e. Exceptions to the provisions of this rule may be granted by the Commission after notice and hearing or after the Commission has been furnished waivers by all offsetting operators.

(The above provisions of Rules 6, 7 and 8 supersede Statewide Rule 602)

#### V. BALANCING OF PRODUCTION.

**RULE 9. Underproduction:** The dates 7:00 A.M. January 1 and 7:00 A.M. July 1 shall be known as balancing dates and the periods of time bounded by these dates shall be known as gas proration periods. The amount of current gas allowable remaining unproduced at the end of each proration period shall be carried forward to and may be produced during the next succeeding proration period in addition to the normal gas allowable for such succeeding period; but whatever amount thereof is not made up within the first succeeding proration period shall be cancelled. If, at the end of the first succeeding proration period, a greater amount of allowable remains unproduced than was carried forward as underproduction, the amount carried forward to the second succeeding period shall be the total underproduction less the amount carried forward to the first succeeding period.

If it appears that such continued underproduction has resulted from inability of the well to produce its allowable, it may be classified as a marginal well and its allowable reduced to the well's ability to produce.

**RULE 10. Overproduction:** A well which has produced a greater amount of gas than was allowed during a given proration period shall have its allowable for the first succeeding proration period reduced by the amount of such overproduction and such overproduction shall be made up within the first succeeding proration period. If, at the end of the first succeeding proration period, the well is still overproduced, it shall be shut in and its current monthly allowable charged against said overproduction until the well is in balance. If, at any time, a well is overproduced an amount equaling six times its current monthly allowable, it shall be shut in until it is in balance.

The Commission may allow overproduction to be made up at a lesser rate than would be the case if the well were completely shut in upon a showing at public hearing after due notice that complete shut in of the well would result in material damage to the well.

(The above provisions of Rules 9 and 10 supersede Statewide Rule 604)

#### VI. GRANTING OF ALLOWABLES.

**RULE 11.** No gas well shall be given an allowable until Form C-104 and Form C-110 have been filed together with a plat showing acreage attributed to said well and the locations of all wells on the lease.

**RULE 12.** Allowables to newly completed gas wells shall commence on the date of connection to a gas transportation facility or the date of filing of Form C-104 and Form C-110 and the plat described above, whichever date is the later.

#### VII. REPORTING OF PRODUCTION.

**RULE 13.** The monthly gas production from each gas well shall be metered separately and the gas production therefrom shall be submitted to the Commission so as to reach the Commission on or before the twentieth day of the month next succeeding the month in which the gas was produced. The operator shall show on such report what disposition has been made of the gas produced. The full production of gas from each well shall be charged against the well's allowable regardless of what disposition has been made of the gas; provided, however, that gas used on the lease for consumption in lease houses, treaters, combustion engines and other similar lease equipment shall not be charged against the well's allowable.

#### VIII. DEFINITIONS.

**RULE 14.** A gas well shall mean a well producing gas or natural gas from a common source of gas supply from a gas pool determined by the Commission.

Case No. 521  
Order No. R-356

(The above Rule supersedes Statewide Definition A-24)

**RULE 15.** The term "gas purchaser" as used in these rules, shall mean any "taker" of gas either at the wellhead or at any point on the lease where connection is made for gas transportation or utilization. It shall be the responsibility of said "taker" to submit a nomination.

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

**STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION**

**EDWIN L. MECHEM, Chairman**

**E. S. WALKER, Member**

**R. R. SPURRIER, Secretary**

**S E A L**

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF THE STATE OF NEW  
MEXICO FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 583  
Order No. R-369

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION ON ITS OWN MOTION FOR AN ORDER  
ESTABLISHING POOL RULES FOR THE LANGMAT  
GAS POOL, LEA COUNTY, NEW MEXICO, SAID  
RULES BEING CONCERNED WITH WELL SPACING,  
GAS PRORATION AND ALLOCATION, PRORATION  
UNITS, POOL DELINEATION AND OTHER RELATED  
MATTERS INsofar AS THEY PERTAIN TO THE  
GENERAL RULES FOR GAS PRORATION AS SET  
FORTH IN ORDER NO. R-356 IN CASE 521.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on for hearing at 9 o'clock a. m. on September 17, 1953, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

Now, on this 28th day of September, 1953, the Commission, a quorum being present, having considered the statements of interested persons, and the official records of the office and other pertinent data, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given, the Commission has jurisdiction of this cause.

(2) That production records of gas wells producing within the Langmat Gas Pool as heretofore designated, classified and defined, indicate the necessity for proration of gas-well gas for the prevention of waste and the protection of correlative rights.

(3) That Order No. 356, heretofore issued by the Commission, and containing appropriate general rules relative to gas-well spacing, gas proration and gas allocation, appearing to be satisfactorily applicable to the Langmat Gas Pool, should be considered as the special rules and regulations for said pool pending further order of the Commission

IT IS THEREFORE ORDERED:

That the rules and regulations relating to gas-well spacing, gas proration and gas allocation, as set out in Order R-356, be, and the same hereby are made the

-2-

Case No. 583

Order No. R-369

special rules and regulations of the Langmat Gas Pool pending further order of the Commission after notice and hearing.

IT IS FURTHER ORDERED:

That all parties interested in said Langmat Pool and the rules therefor be, and they and each of them are hereby ordered to show cause at 9 o'clock a.m. on October 27, 1953, at Santa Fe, New Mexico, why the rules and regulations referred to hereinabove, with any essential amendments, shall not be put into effect as of November 1, 1953.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

R. R. SPURRIER, Member & Secretary

S E A L

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 583  
ORDER NO. R-369-A

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION ON ITS OWN MOTION FOR ALL  
OPERATORS AND INTERESTED PARTIES IN  
THE LANGMAT GAS POOL TO SHOW CAUSE WHY  
THE RULES AND REGULATIONS AS SET OUT IN  
ORDER R-356, WITH ANY ESSENTIAL AMEND-  
MENTS, SHOULD NOT BE PUT INTO EFFECT.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on for hearing at 9 o'clock a.m., on October 27, 1953, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 10th day of November, 1953, the Commission, a quorum being present, having considered the testimony adduced, the exhibits received, the statements of interested parties, the official records of this Commission and other pertinent data, and being fully advised in the premises.

FINDS:

- (1) That due public notice having been given, the Commission has jurisdiction of this cause.
- (2) That the Commission, for the purpose of preventing waste and drainage and for the protection of correlative rights, entered Order R-356, establishing certain general or "stand-by" rules and regulations relating to the proration of gas well gas proration units, well spacing, and other related matters in the gas pools of Eddy, Lea, Chaves and Roosevelt Counties, New Mexico, applicable in all cases only after special rules for each gas pool shall have been promulgated.
- (3) That thereafter, after due notice and hearing, Order R-369 was duly entered by the Commission. Order R-369 adopted the general or "Stand-by" rules promulgated by Order R-356 as the Special Rules and Regulations of the Langmat Gas Pool, heretofore established. R-369 was entered pending a further order in the premises, said order to be entered only after all interested parties were afforded the opportunity to be heard in the matter.
- (4) That as a result of such hearing and in consideration of the testimony adduced Special Pool rules should be promulgated for the Langmat Gas Pool, heretofore established, described and classified as a gas pool. That the Special pool rules should approximate the general rules and regulations promulgated by Order R-356 insofar as the same are applicable to the Langmat Gas Pool, and should conform, generally with the provision-  
al special rules of Order R-369.

Case No. 583  
Order No. R-369-A

(5) That in order for the Commission to evaluate and delineate the actual productive limits of the Langmat Gas Pool all operators of oil and gas wells within the defined limits of the Langmat Gas Pool should supply certain Geological and Reservoir data to the Commission.

(6) That pending further study and orders, the allocation of gas in the Langmat Gas Pool should be calculated on the basis of 100 per cent acreage, based upon the standard 160 acre proration unit, which unit is limited to a regular quarter section subdivision of the U. S. Public Land Surveys and consisting of not less than 158 nor more than 162 acres, substantially in the form of a square, with provision for deviation therefrom particularly in cases of wells heretofore completed where the impracticability of unitization is apparent.

(7) That an adequate gas well testing procedure should be adopted as soon as possible so that operators, purchasers and the Commission can determine the fairness and feasibility of an allocation factor for the pool which employs the factors of deliverability, pressure, or any other factor relating to gas well productivity.

IT IS THEREFORE ORDERED:

That Special Pool Rules applicable to the Langmat Gas Pool, be and the same hereby are promulgated and are as follows:

SPECIAL RULES AND REGULATIONS  
FOR THE LANGMAT GAS POOL  
LEA COUNTY, NEW MEXICO

WELL SPACING AND ACREAGE REQUIREMENTS FOR DRILLING TRACTS.

Rule 1. Any well drilled a distance of one mile or more from the outer boundary of the Langmat Gas Pool shall be classified as a wildcat well. Any well drilled less than one mile from the outer boundary of the Langmat Gas Pool shall be spaced, drilled, operated and prorated in accordance with the Regulations in effect in the Langmat Gas Pool.

Rule 2. Each well drilled or recompleted within the Langmat Gas Pool shall be located on a tract consisting of not less than a quarter section of approximately 160 surface contiguous acres substantially in the form of a square which shall be a legal subdivision (quarter section) of the U. S. Public Land Surveys.

RULE 3. Each well drilled within the Langmat Gas Pool shall not be drilled closer than 660 feet to any outer boundary line of the tract nor closer than 330 feet to a quarter-quarter section or subdivision inner boundary nor closer than 1320 feet to a well drilling to or capable of producing from the same pool.

RULE 4. The Secretary of the Commission shall have authority to grant exception to the requirements of Rule 3 without Notice and Hearing where application has been filed in due form and the necessity for the unorthodox location is based on topographical conditions or is occasioned by the recompletion of a well previously drilled to another horizon.

Applicants shall furnish all operators within a 1320 foot radius of the subject well a copy of the application to the Commission, and applicant shall include with his application a written stipulation that all operators within such radius have been properly notified. The Secretary of the Commission shall wait at least 10 days before approving any such unorthodox location, and shall approve such unorthodox location only in the absence of objection of any offset operators. In the event an operator objects to the

Case No. 583  
Order No. R-369-A

unorthodox location the Commission shall consider the matter only after proper notice and hearing.

**RULE 5.** The provision of Statewide Rule 104 Paragraph (k), shall not apply to the Langmat Gas Pool located in Lea County, New Mexico.

#### GAS PRORATION

**RULE 6.** The Commission after notice and hearing, shall consider the nominations of gas purchasers from the Langmat Gas Pool and other relevant data and shall fix the allowable production of the Langmat Gas Pool, and shall allocate production among the gas wells in the Langmat Gas Pool upon a reasonable basis with due regard to correlative rights.

#### PRORATION UNITS

**RULE 7.** (a) For the purpose of gas allocation in the Langmat Gas Pool, a standard proration unit shall consist of between 158 and 162 contiguous surface acres substantially in the form of a square which shall be a legal subdivision (quarter section) of the U. S. Public Land Surveys; provided, however, that a gas proration unit other than a legal quarter section may be formed after notice and hearing by the Commission, or as outlined in Paragraph (b). Any allocation unit containing less than 158 acres or more than 162 acres shall be a non-standard unit and its allowable shall be decreased or increased to that proportion of the standard unit allowable that the number of acres contained therein bears to 160 acres. Any standard proration unit consisting of between 158 and 162 contiguous surface acres shall be considered as containing 160 acres for the purpose of gas allocation.

(b) The Secretary of the Commission shall have authority to grant an exception to Rule 7 (a) without Notice and Hearing where application has been filed in due form and where the following facts exist and the following provisions are complied with;

1. The non-standard unit consists of less acreage than a standard proration unit.
2. The acreage assigned to the non-standard unit lies wholly within a legal quarter section and contains a well capable of producing gas into a gas transportation facility on the date of this order.
3. The operator receives written consent in the form of waivers from all operators in the adjoining 160 acre proration units.

#### GAS ALLOCATION

**RULE 8.** At least 30 days prior to the beginning of each gas proration period the Commission shall hold a hearing after due notice has been given. The Commission shall cause to be submitted by each gas purchaser its "Preliminary Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration period, by months, from the Langmat Gas Pool. The Commission shall consider the "Preliminary Nominations" of purchasers, actual production, and such other factors as may be deemed applicable in determining the amount of gas that may be produced without waste within the ensuing proration period. "Preliminary Nominations" shall be submitted on a form prescribed by the Commission.

**RULE 9.** Each month, the Commission shall cause to be submitted by each gas purchaser its "Supplemental Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration month from the Langmat Gas Pool. The Commission shall hold a public hearing between the 15th and 20th days of each month to determine the reasonable market demand for gas for the ensuing proration month, and shall issue a proration schedule setting out the amount of gas which each well may produce during the ensuing proration month. Included in the monthly proration schedule shall be a tabulation of allowable and production for the second preceding month together with an adjusted allowable computation for the second preceding month. Said adjusted allowable shall be computed by comparing the actual allowable assigned with the actual production. In the event the allowable assigned is greater than the actual production, the allowables assigned the top allowable units shall be reduced proportionately, and in the event the allowable assigned is less than the production then the allowables assigned the top allowable units shall be increased proportionately. "Supplemental Nominations" shall be submitted on a form prescribed by the Commission.

The Commission shall include in the proration schedule the gas wells in the Langmat Gas Pool delivering to a gas transportation facility, or lease gathering system, and shall include in the proration schedule of the Langmat Gas Pool any well which it finds is being unreasonably discriminated against through denial of access to a gas transportation facility, which is reasonably capable of handling the type of gas produced by such well. The total allowable to be allocated to the pool each month shall be equal to the sum of the supplemental nominations together with any adjustment which the Commission deems advisable. The allocation to a pool remaining after subtracting the capacities of marginal units shall be divided and allocated ratably among the non-marginal units in the proportion that the acreage contained in each unit bears to the total acreage allotted to such non-marginal units.

#### BALANCING OF PRODUCTION

**RULE 10. Underproduction:** The dates 7:00 A.M., January 1 and 7:00 A.M., July 1, shall be known as balancing dates and the periods of time bounded by these dates shall be known as gas proration periods. The amount of current gas allowable remaining unproduced at the end of each proration period shall be carried forward to be produced during the next succeeding proration period in addition to the normal gas allowable for such succeeding period; but whatever amount thereof is not made up within the first succeeding proration period shall be cancelled. If, at the end of the first succeeding proration period, a greater amount of allowable remains unproduced than was carried forward as underproduction, the amount carried forward to the second succeeding period shall be the total underproduction less the amount carried forward to the first succeeding period.

If it appears that such continued underproduction has resulted from inability of the well to produce its allowable, it may be classified as a marginal well and its allowable reduced to the well's ability to produce.

**RULE 11. Overproduction:** A well which has produced a greater amount of gas than was allowed during a given proration period shall have its allowable for the first succeeding proration period reduced by the amount of such overproduction and such overproduction shall be made up within the first succeeding proration period. If, at the end of the first succeeding proration period, the well is still overproduced, it shall be shut in and its current monthly allowable charged against said overproduction until the well is in balance. If, at any time, a well is overproduced an amount equaling six times its current monthly allowable, it shall be shut in until it is in balance.

The Commission may allow overproduction to be made up at a lesser rate than would be the case if the well were completely shut in upon a showing at public hearing after due notice that complete shut in of the well would result in material damage to the well.

#### GRANTING OF ALLOWABLES

RULE 12. No gas well shall be given an allowable until Form C-104 and Form C-110 have been filed together with a plat showing acreage attributed to said well and the locations of all wells on the lease.

RULE 13. Allowables to newly completed gas wells shall commence on the date of connection to a gas transportation facility, as determined from an affidavit furnished to the Commission (Box 2045, Hobbs, New Mexico) by the purchaser, or the date of filing of Form C-104 and Form C-110 and the plat described above, whichever date is the later.

#### REPORTING OF PRODUCTION

RULE 14. The monthly gas production from each gas well shall be metered separately and the gas production therefrom shall be submitted to the Commission on Form C-115 so as to reach the Commission on or before the twentieth day of the month next succeeding the month in which the gas was produced. The operator shall show on such report what disposition has been made of the gas produced. The full production of gas from each well shall be charged against the well's allowable regardless of what disposition has been made of the gas; provided, however that gas used on the lease for consumption in lease houses, treaters, combustion engines and other similar lease equipment shall not be charged against the well's allowable.

#### DEFINITIONS

RULE 15. A gas well shall mean a well producing gas or natural gas from a common source of gas supply from a gas pool determined by the Commission.

RULE 16. The term "gas Purchaser" as used in these rules, shall mean any "taker" of gas either at the wellhead or at any point on the lease where connection is made for gas transportation or utilization. It shall be the responsibility of said "taker" to submit a nomination.

PROVIDED FURTHER that those wells located within the defined limits of the Langmat Gas Pool which produce oil and receive an oil allowable on the oil proration schedule shall be prorated as oil wells pending further study and that "preliminary" and "supplemental" nominations, as outlined in Rules 8 and 9 above, shall pertain only to gas wells which are not assigned an oil allowable.

PROVIDED FURTHER that all operators of oil or gas wells shall submit to the Hobbs office of the Commission (Box 2045) on or before January 1, 1954 a copy of either an electric log or sample log of each well (if available), whether oil or gas, that they operate within the defined limits of the Langmat Gas Pool. Attached to each log shall be a detailed report showing well elevation, total depth, plug back depth, depth of production string, interval of perforations and open hole and estimation of formation tops of Yates, Seven Rivers and Queen as indicated by the log. Any operator of any well hereafter completed or recompleted within the defined limits of the Langmat Gas Pool shall also submit to the Hobbs office of the Commission, the logs and information detailed above, within 30 days following such completion or recompletion.

Case No. 583  
Order No. R-369-A

In the event that the Commission deems it advisable to obtain additional information from wells producing outside the defined limits of the Langmat Gas Pool the Secretary of the Commission is hereby authorized to issue a directive to operators in order to obtain the desired information.

PROVIDED FURTHER that as soon as possible a testing procedure for all gas wells shall be adopted by the Commission. Said procedure shall contain adequate tests in order to determine the feasibility of employing any well potential, deliverability or pressure factors in allocating gas.

PROVIDED FURTHER that these operators who desire approval of the Commission of gas-oil dual completions under the provisions of Statewide Rule 112-A should also comply with the provisions of Rules 2, 3 and 4 of this order before approval will be granted.

PROVIDED FURTHER that in order to inaugurate gas prorationing and allocation in the Langmat Gas Pool on January 1, 1954 the Commission shall consider the nominations of purchasers for the proration period beginning January 1, 1954 at the regular hearing of the Commission on November 19, 1953 and shall require each purchaser of gas from the Langmat Gas Pool to submit with each "supplemental" nomination a list of the wells and their location from which gas is to be purchased commencing January 1, 1954. In this instance the list of wells shall pertain solely to those wells which are gas wells and are not on the oil proration schedule.

PROVIDED FURTHER that in the event an operator has a producing well on acreage which does not conform to the provisions of Rule 2 or Rule 7 and an exception to Rule 7 is to be requested of this Commission, the necessary information requested under Rule 12 should be complied with pending Commission action. In this instance the Proration Manager is directed to assign to the well only that acreage attributable to the well lying within the quarter section upon which the well is located. In the event the unorthodox unit is approved after notice and hearing and an increase in total acreage is permitted then the total allowable assigned the well shall be adjusted and made retroactive to the 1st day of the proration period or the 1st day the well produced into a gas transportation facility if the well was not productive prior to January 1, 1954.

PROVIDED FURTHER that copies of Form C-115, Monthly Production Report, submitted in compliance with Rule 14 shall be distributed by the operator as follows: Original to Oil Conservation Commission, Box 871, Santa Fe; two copies to Oil Conservation Commission, Box 2045, Hobbs, New Mexico.

IT IS FURTHER ORDERED that nothing in this Order, or Order No. R-369, heretofore issued by the Commission, shall be construed as re-classifying any well now prorated on the oil proration schedule as a gas well, and any such reclassification hereafter made shall only be made after due notice and hearing.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

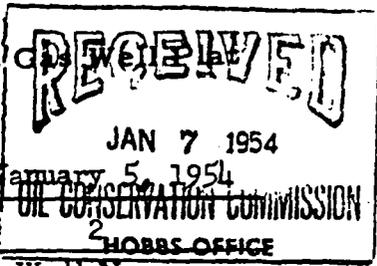
E. S. WALKER, Member

R. R. SPURRIER, Member & Secretary

S E A L

NEW MEXICO

OIL CONSERVATION COMMISSION



*date*  
*in Langbe Mattix*  
King, Warren & Dye  
Operator  
Toby  
Lease

Date *January 5, 1954*

Well No.

Name of Producing Formation Yates Pool Langbe Mattix

No. Acres Dedicated to the Well 80

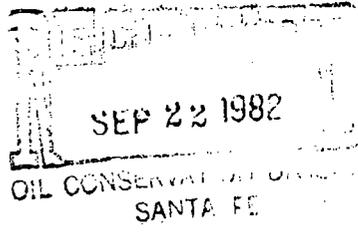
*Langbe*

SECTION 7 TOWNSHIP 24 S RANGE 37 E

	8		

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

Name *John Thoresen*  
Position Production Supt.  
Representing King, Warren & Dye  
Address Box 1505, Midland, Texas



(over)

**DUPLICATE**

NEW MEXICO OIL CONSERVATION COM. ISSION  
Santa Fe, New Mexico

**RECEIVED**  
JAN 7 1954  
New Well  
Recompletion  
OIL CONSERVATION COMMISSION  
HOBBS OFFICE

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

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

Midland, Texas  
(Place)

January 5, 1954  
(Date)

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

King, Warren & Dye

(Company or Operator)

Toby

Well No. 2, in NE  $\frac{1}{4}$  SW  $\frac{1}{4}$ ,

K, Sec. 7, T. 24 S, R. 37 E, NMPM., Langite-Mattix Pool

(Lease)

(Unit)

Lea County. Date Spudded 6-29-47, Date Completed 7-26-47

Please indicate location:

	X		

Elevation 3323 Total Depth 3570 P.B. \_\_\_\_\_

Top ~~gas~~ pay 2872 Top of Prod. Form 2872

Casing Perforations: \_\_\_\_\_ or

Depth to Casing shoe of Prod. String 2789

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 8 million cu. ft./day

Size choke in inches 1"

Date first oil run to tanks or gas to Transmission system: \_\_\_\_\_

Transporter taking Oil or Gas: El Paso Natural

**Casing and Cementing Record**

Size Feet Sax

13-3/8	150	200
8-5/8	<u>2789</u>	700
5-1/2	3423	250

Remarks: New proration rules

SEP 22 1982  
OIL CONSERVATION COMMISSION  
SANTA FE

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

Approved JAN 8 1954, 19\_\_\_\_\_

OIL CONSERVATION COMMISSION

By: A. J. Stanley  
Title Engineer District

(Company or Operator)

By: King, Warren & Dye John Thomas  
(Signature)

Title Production Supt.  
Send Communications regarding well to:

Name John Thomas

Address Box 1505, Midland, Texas

TRIPPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
JAN 7 1954  
OIL CONSERVATION COMMISSION  
HOBBS-OFFICE  
(Form C-10)  
Revised 7/1/52

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable well. Submit this form in QUADRUPPLICATE.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator King, Warren & Dye Lease Toby

Address Box 1505, Midland, Texas Midland, Texas  
(Local or Field Office) (Principal Place of Business)

Unit K, Well(s) No. 2, Sec. 7, T. 24 S, R. 37 E, Pool Langlie-Mattix

County Lea Kind of Lease: Private Land

If Oil well Location of Tanks

Authorized Transporter El Paso Natural Gas Address of Transporter

(Local or Field Office)

(Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported 100% Other Transporters authorized to transport Oil or Natural Gas from this unit are

Humble Pipe Line Company Oil 100%

REASON FOR FILING: (Please check proper box)

NEW WELL  CHANGE IN OWNERSHIP

CHANGE IN TRANSPORTER  OTHER (Explain under Remarks)

REMARKS: New Proration rules

SEP 22 1982  
OIL CONSERVATION COMMISSION  
SANTA FE

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 5th day of January 19 54

Approved JAN 8 1954, 19

King, Warren & Dye

OIL CONSERVATION COMMISSION  
By L. G. Stanley  
Title Engineer District 1

By [Signature]  
Title Production Supt.

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

Received July 2, 1982

Immediately

ADMINISTRATIVE ORDER

NFL 58

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. Toby Well No. 3  
Location: Unit L Sec. 7 Twp. 24S Rng. 37E Cty. hca

II.

THE DIVISION FINDS:

- (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.
- (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.
- (3) That the well for which a finding is sought is completed in the Jalmat Tansill Yates Seven Rivers (bas) Pool, and the standard spacing unit in said pool is 640 acres.
- (4) That a 80-acre proration unit comprising the N/2 SW/4 of Sec. 7, Twp. 24S, Rng. 37E, is currently dedicated to the Toby Well No. 2 located in Unit K of said section.
- (5) That this proration unit is  standard  nonstandard; if nonstandard, said unit was previously approved by Order No. R-369-A.
- (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 640,000 MCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.
- (9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

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

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

DONE at Santa Fe, New Mexico, on this 24<sup>th</sup> day of Sept., 19 82.

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

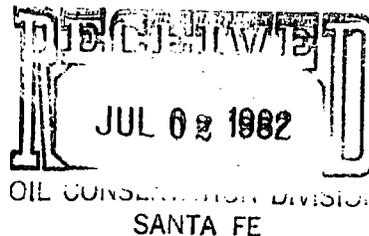
**DOYLE HARTMAN**

*Oil Operator*

500 N. MAIN  
P. O. BOX 10426  
MIDLAND, TEXAS 79702

(915) 684-4011

June 29, 1982



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

Attention: Mr. R. L. Stamets

Re: Administrative Procedure  
Infill Finding  
Toby No. 3  
N/2 SW/4 Section 7  
T-24-S, R-37-E  
Lea County, New Mexico

Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, we hereby request an infill finding (NFL) for the above captioned Toby No. 3 located N/2 SW/4 Section 7, T-24-S, R-37-E, Lea County, New Mexico.

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

- Rule 5 A copy of approved Form C-101 for the infill well and Form C-102 showing the proration unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled is Jalmat (Gas), and the standard spacing unit therefor is 640 acres.
- Rule 7 The number of the Division order approving the non-standard proration unit dedicated to the well is NSL-1516.
- Rule 8 Form entitled CERTIFICATION OF WELL DATA ON PRORATION UNIT PLAT describes all wells drilled on the proration unit (including the completed infill well) which are or have been completed in the same pool or reservoir as the proposed infill well showing:



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

Rule 9 Letter dated June 29, 1982, from William P. Aycock submits geological and engineering information sufficient to support a finding as to the necessity for an infill including:

- a. formation structure map;
- b. the volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined;
- c. any other supporting data which the applicant deems to be relevant which may include:
  1. porosity and permeability factors
  2. production/pressure decline curve
  3. effects of secondary recovery or pressure maintenance operations.

Rule 10 This application for infill finding is being filed in duplicate with the Santa Fe office of the Division.

Rule 11 All operators of proration or spacing units offsetting the unit for which an infill finding is sought have been notified of this application by certified or registered mail.

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

Very truly yours,

DOYLE HARTMAN

*Michelle Hembree*

Michelle Hembree  
Administrative Assistant

/mh

Enclosures as above

WILLIAM P. AYCOCK & ASSOCIATES, INC.

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

June 29, 1982

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 Toby No. 3 Well,  
Section 7, Twp. 24 South,  
Range 37 East, Jalmat Pool,  
Lea County, New Mexico

Gentlemen:

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

Rule 5: Attached are copies of Forms C-101 and C-102 for the application well.

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

Rule 7: The non-standard proration unit, unorthodox well location and simultaneous dedication were approved administratively by Order NSL-1516 dated April 30, 1982, a copy of which is attached hereto.

Rule 8: Sections "a." through "f." are included on the attached "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A.

Section "g." requires "...a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Jalmat Pool reservoirs beneath the described proration unit were (prior to the drilling and completion of the "application well") assigned to the

the AA Energy (King, Warren & Dye) Toby No. 2 well, located in Unit K of Section 7, Twp. 24 South, Range 37 East @ 1980' FS&WL. This well was dually completed July 26, 1947, from Langlie-Mattix Pool open between depths of 3423 and 3570 feet, with the Jalmat Pool, between depths of 2910 and 3030 feet. The Jalmat Pool completion was given a special multi-point back pressure test for an absolute potential of 14,800 MCF/D on January 4, 1957. As of April 1, 1982, the Jalmat Pool completion had produced an accumulated gas volume of 3056.8 MMCF and was producing at a rate of approximately 88 MCF per month. Since the economic limit of production based on Doyle Hartman's experience is about 500 MCF per month, it is apparent that the pre-existing Toby No. 2 well has already produced all of its economical gas reserves, so any gas left in the Jalmat Pool beneath the 80-acre proration unit cannot be either efficiently or effectively produced by this well. Accordingly, any economical gas reserves recovered from the application well constitute increased ultimate gas recovery otherwise irrecoverable.

Rule 9: Section a. Requires a formation structure map be submitted; attached is a Yates Formation Structure Map of that portion of the Jalmat Pool including and immediately surrounding N/2 SW/4 Section 7, Twp. 24 South, Range 37 East.

Section b. Requires that "...the volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined" be submitted. The estimated ultimate gas recovery for the Doyle Hartman Toby No. 3 well is 641 MMCF. This estimate of increased ultimate recovery for the application well was accomplished as follows:

(1) Well logs for the Hartman Toby No. 3 were analyzed, with results summarized as follows:

Mean Porosity, Fcn. of Bulk Vol.	0.191
Mean Connate Water Saturation, Fcn. of Net Effective Pore Vol.	0.261
Net Effective Pay Thickness, Feet	107.

The gross pay interval consistent with the above is 291 feet, so the ratio of net effective pay to gross pay is  $107 \div 291$ , or about 37 percent.

- (2) The C-105 Test for the Hartman Toby No. 3 dated June 12, 1982, was analyzed, with results summarized as follows:

Stabilized Deliverability Coefficient, MCF/day per psia <sup>2</sup>	0.032651
Initial Stabilized Wellhead Shut-in Pressure (Pc), psia	219.2
Initial Gas Formation Volume Factor, scf/rcf	15.14

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

Original Gas-in-Place	
MMCF/Acre	9.99
MMCF/80 Acres	799.2
Est. Gas Rec. Factor, Fcn. of O.G.I.P.	0.802
Est. Ult. Recovery, MMCF per 80 Acres	641.

Section c. Other supporting data submitted include the following:

Gas Production History Tabulation and Graph for AA Energy (King, Warren & Dye) Toby No. 2, the preexisting well.  
Complete N.M.O.C.D. forms on file for both the preexisting and application wells.

New Mexico Oil Conservation Division  
Order No. NSL-1516.

We believe that this information adequately documents this application; however, we should be pleased to supply you anything else that you might require in this connection.

Very truly yours,

  
Wm. P. Aycoc, 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>PREEXISTING WELL* DOYLE HARTMAN, OPERATOR</u>	<u>INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR</u>
a.	Lease Name and Well Location	Toby No. 2 1980' FSL & 1980' FWL 7-24S-37E	Toby No. 3 1780' FSL & 1100' FWL 7-24S-37E
b.	Spud Date	June 29, 1947	15:00 hrs., May 28, 1982
c.	Completion Date	July 23, 1947	June 12, 1982
d.	Mechanical Problems	None	None
e.	Current Rate of Production	Approx. 3 MCF/D	C-105: 194 MCF/D
f.	Date of Plug and Abandonment	-	-

\* Originally completed by King, Warren & Dye; operated by AA Energy Corp. prior to operations assumed by Doyle Hartman. (See Form C-104, dated March 8, 1982)

30-025-27786



NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

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OPERATOR	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

ii. Type of Work

a. Type of Well DRILL  DEEPEN  PLUG BACK

OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

iii. Name of Operator  
Doyle Hartman

iv. Address of Operator  
P. O. Box 10426, Midland, Texas 79702

v. Location of Well  
UNIT LETTER L LOCATED 1780 FEET FROM THE South LINE  
1100 FEET FROM THE West LINE OF SEC. 7 TWP. 24-S RGE. 37-E MERID.

5A. Indicate Type of Lease  
STATE  FEDERAL

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Name of Lease Name  
Toby

9. Well No.  
3

10. Field and Pool, or Well Unit  
Jalmat (Gas)

11. County  
Lea

1. Elevation (show whether DF, RL, etc.) 3303.0 G.L.	21A. RMT & Status Plug. Head Multi-Well Approved	1. Proposed Depth 3450	19A. Formation Yates-Seven Rivers	20. Rotary or C.T. Rotary
		21B. Drilling Contractor Kenai	22. Approx. Date Work will start April, 1982	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	9 5/8	40.5	400	300	Surface
8 3/4	7	23.0	3450	600	Surface

The proposed well will be drilled to a total depth of 3450 feet and will be completed as a Jalmat (Yates-Seven Rivers) gas producer. From the base of the surface pipe through the running of the production casing, the well will be equipped with a 3000 psi double ram BOP system.

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

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 11/2/82  
UNLESS DRILLING UNDERWAY

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
Larry G. Newman Title Engineer Date March 31, 1982

(This space for State Use)  
ORIGINAL SIGNED BY  
JERRY SEXTON  
DISTRICT 1 SUPR.

MAY 6 1982

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

Form C-10  
Supersedes C-128  
Effective 1-1-85

All distances must be from the outer boundaries of the Section

Lessor <b>Doyle Hartman</b>			Lessee <b>Toby</b>			Well No. <b>3</b>
Grid Letter <b>L</b>	Section <b>7</b>	Township <b>24-S</b>	Range <b>37-E</b>	County <b>Lea</b>		

Actual True Location of Well:  
**1780** feet from the **South** line and **1100** feet from the **West** line

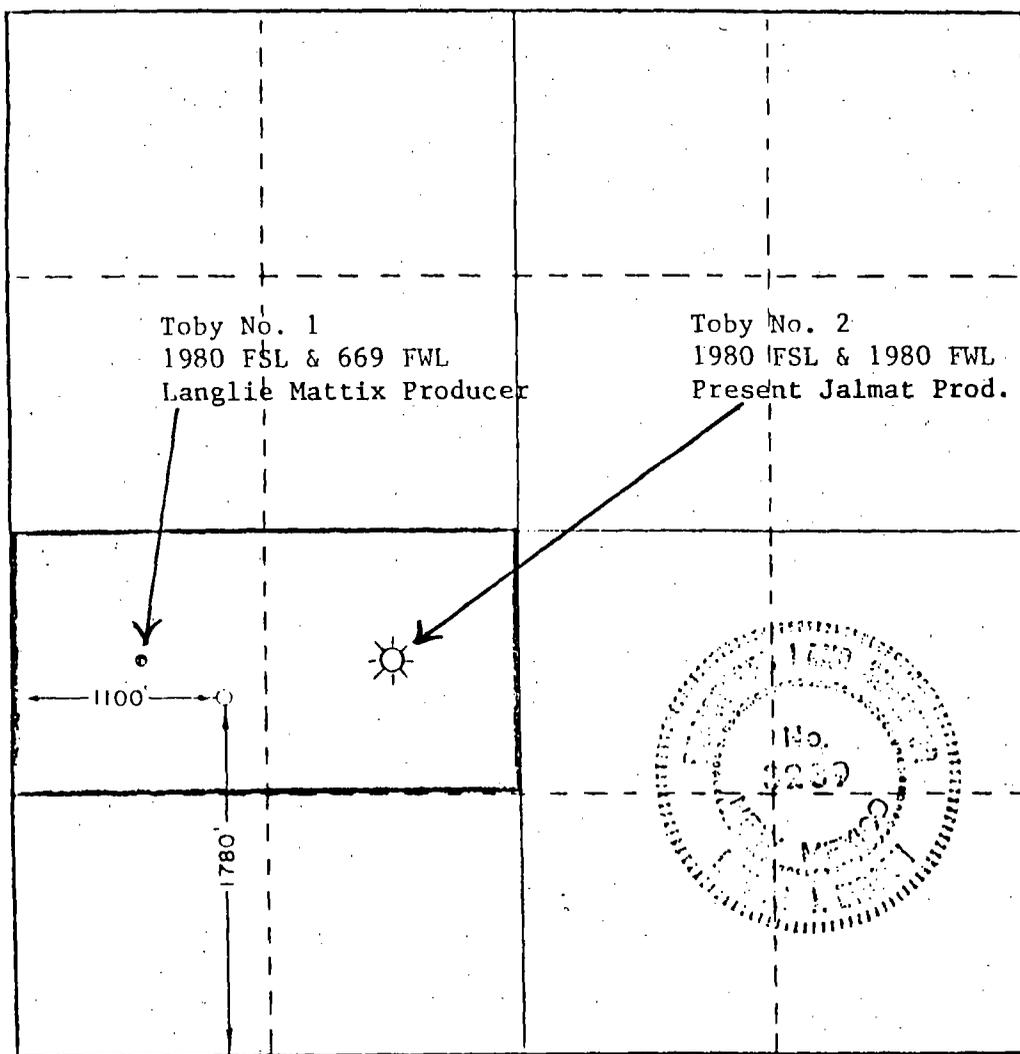
Ground Level Elev. <b>3303.0'</b>	Producing Formation <b>Yates-Seven Rivers</b>	Pool <b>Jalmat (Gas)</b>	Estimated Acreage <b>80</b>
--------------------------------------	--	-----------------------------	--------------------------------

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

Yes  No If answer is "yes" type of consolidation \_\_\_\_\_

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

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



**CERTIFICATION**

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

**Larry Nermyr**

*Larry G. Nermyr*

**Engineer**

**Doyle Hartman**

**March 31, 1982**

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

Date Surveyed

**March 31, 1982**

Registered Professional Engineer  
and or Land Surveyor

*Ronald J. Eidson*

Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6665**  
**Ronald J. Eidson 3239**

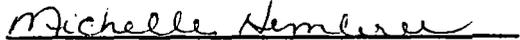
330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

CERTIFICATION OF WELL  
DATA ON PRORATION  
PLAT (NMOCD Form C-102)

DOYLE HARTMAN, as Operator the herein designated well does hereby certify as required under OCD Order R-5878 Rule 15.4:

- (A) The location plat (C-102) corresponding to the herein designated well depicts all current producing wells or previously abandoned wells located on the subject acreage.
- (B) A description of any applicable well(s) that are located on the subject proration unit and that are presently producing or have previously produced from the same reservoir for which this Infill Filing is being made is as follows:

Operator: Doyle Hartman (AA Energy Corporation)  
Well: Toby No. 2  
Location: 1980 FSL & 1980 FWL (K)  
Section 7, T-24-S, R-37-E  
Spud Date: 6-29-47  
Reservoir: Langlie-Mattix and Jalmat  
Production Period: 7-26-47 to Present  
Cumulative Gas Production: 3056.8 MMCF as to Jalmat Pool  
Abandonment Date: Currently producing  
Remarks: Toby No. 2 currently producing approximately  
88 MCF per month.

  
Michelle Hembree



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

April 30, 1982

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

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

Attention: Larry A. Nermyr

Administrative Order NSL-1516

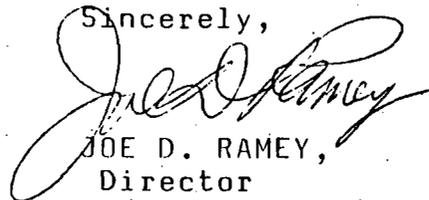
Gentlemen:

Reference is made to your application for approval of a non-standard location for your Toby Well No. 3 to be located 1780 feet from the South line and 1100 feet from the West line of Section 7, Township 24 South, Range 37 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Also, you are hereby authorized to simultaneously dedicate a previously approved 80-acre proration unit comprising the N/2 SW/4 of said Section 7 to your Toby Well No. 2 in Unit K and the above-described Toby Well No. 3. Further, you are hereby permitted to produce the allowable from any of the wells on the proration unit in any proportion.

By authority granted me under the provisions of Rule 3 of Order No. R-1670, the above-described unorthodox location is hereby approved.

Sincerely,

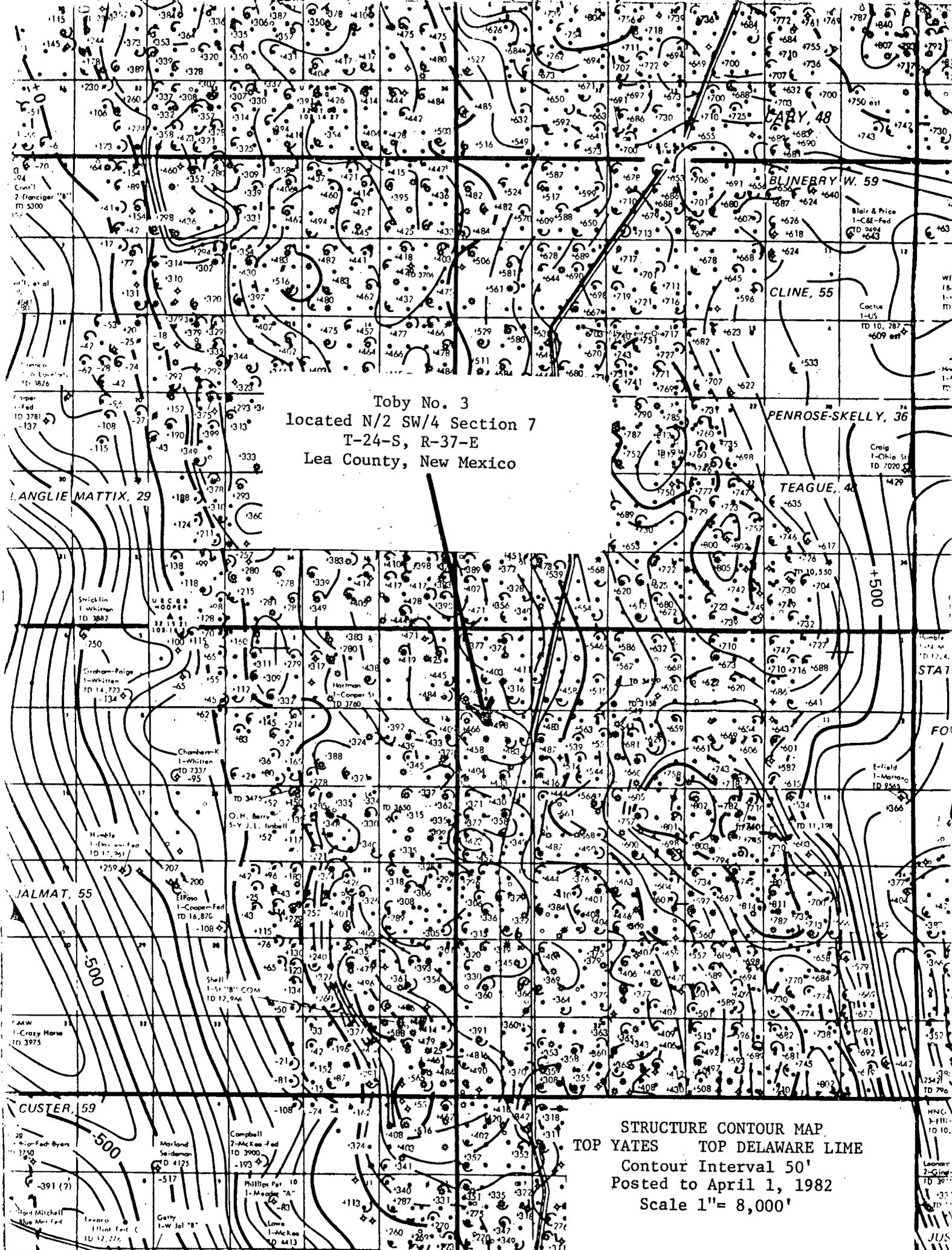


JOE D. RAMEY,  
Director

JDR/RLS/dr

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

MAY 6 1982



Toby No. 3  
 located N/2 SW/4 Section 7  
 T-24-S, R-37-E  
 Lea County, New Mexico

STRUCTURE CONTOUR MAP  
 TOP YATES TOP DELAWARE LIME  
 Contour Interval 50'  
 Posted to April 1, 1982  
 Scale 1" = 8,000'

LANGLIE MATTIX, 29

JALMAT, 55

CUSTER, 59

BLINERY W. 59

CLINE, 55

PENROSE-SKELLY, 36

TEAGUE, 4

STAT

FOI

HNC

Leone

JUS

# GAS PRODUCTION HISTORY

Date 11-27-79

Page 1 of 2

Operator: King, Warren & Dye (Doyle Hartman)

Well: Toby No. 2

Location: K-7-24-37

Pool: Jalmat Gas

Spud Date: \_\_\_\_\_ Original Completion Date: \_\_\_\_\_

Completion Interval (Gas): \_\_\_\_\_

Completion Date (Gas): \_\_\_\_\_ First Production (Gas): \_\_\_\_\_

Remarks: \_\_\_\_\_

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1979	12	4615	385	3853.8	231.2	235
1978	12	20889	1741	3849.2	237.2	240
1977	12	55804	4650	3828.3	N/A	N/A
1976	9	65750	7305	3772.5	287.2	300
1975	10	91312	9131	3706.8	N/A	N/A
1974	12	186185	15515	3615.5	N/A	N/A
1973	8	29111	3639	3429.3	N/A	N/A
1972	11	177449	16132	3400.2	N/A	N/A
1971	11	123950	11268	3222.8	410.2	440
1970	0	-0-	-0-	2970.5	403.2	430
1969	0	-0-	-0-	2970.5	470.2	510
1968	8	53516	6689	2970.5	473.2	515
1967	7	101393	14485	2917.0	539.2	590
1966	10	62915	6291	2815.6	540.2	590
1965	12	73382	6115	2752.7	578.2	640
1964	12	110391	9199	2679.3	N/A	N/A
1963	11	68465	6224	2568.9	N/A	N/A
1962	12	92852	7738	2500.4	N/A	N/A
1961	10	90793	9079	2407.6	733.2	840
1960	11	115617	10511	2316.8	795.2	925

19 78 Detail Summary

Jan.	2631	July	1828
Feb.	689	Aug.	2007
March	430	Sept.	1767
April	2991	Oct.	1561
May	2586	Nov.	1342
June	1970	Dec.	1087

19 79 Detail Summary

Jan.	1043	July	218
Feb.	809	Aug.	209
March	634	Sept.	228
April	399	Oct.	229
May	203	Nov.	229
June	186	Dec.	228

Production (Y-T-D) \_\_\_\_\_ MCF

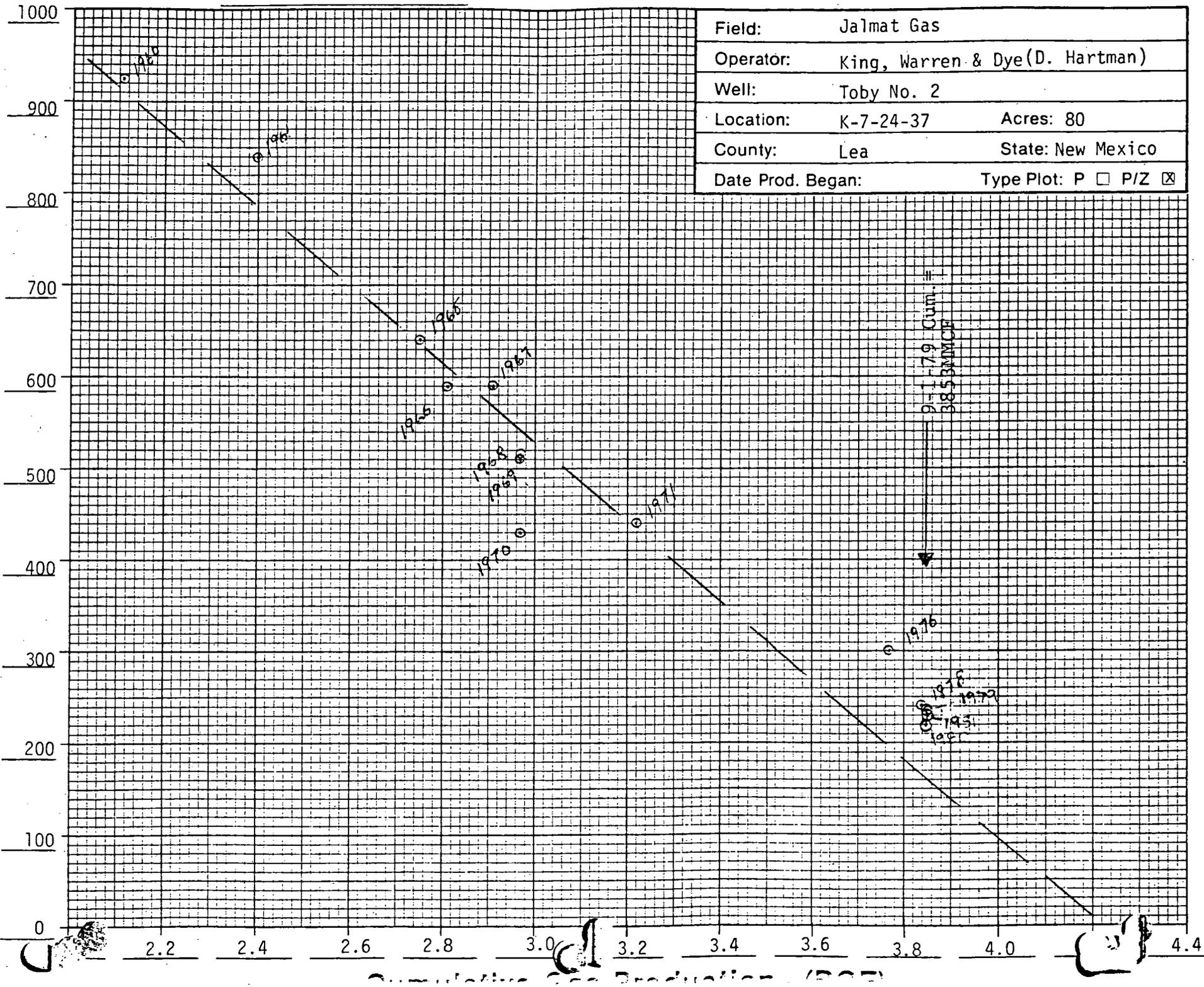
Avg. Rate (Y-T-D) \_\_\_\_\_ MCF/mo.

Days or Months (Y-T-D) \_\_\_\_\_ mos.





Pressure or P/Z - (psia)



Field:	Jalmat Gas	
Operator:	King, Warren & Dye (D. Hartman)	
Well:	Toby No. 2	
Location:	K-7-24-37	Acres: 80
County:	Lea	State: New Mexico
Date Prod. Began:	Type Plot: P <input type="checkbox"/> P/Z <input checked="" type="checkbox"/>	

9-1.79 Cum. =  
38.53 MMCF

Cumulative Gas Production (BCF)

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PRODUCTION OFFICE	

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

Form C-104  
 Superseding 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)		Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:		
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input checked="" type="checkbox"/>	
Change in Ownership <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>	

If change of ownership give name and address of previous owner **AA Energy Corporation, 1500 Fidelity Union Tower, Dallas, Texas 75201**

**DESCRIPTION OF WELL AND LEASE**

Lease Name <b>Toby</b>	Well No. <b>2</b>	Pool Name, including Formation <b>Jalmat (Yates-Seven Rivers)</b>	Kind of Lease State, Federal or Fee <b>Fee</b>	Lease No.
Location Unit Letter <b>K</b> ; <b>1980</b> Feet From The <b>South</b> Line and <b>1980</b> Feet From The <b>West</b> Line of Section <b>7</b> Township <b>24S</b> Range <b>37E</b> , NMPM, <b>Lea</b> 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)
<b>El Paso Natural Gas Company</b>	<b>P. O. Box 1384, Jal, New Mexico 88252</b>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<b>Yes 1947</b>

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

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Deviation (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

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

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

**GAS WELL**

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

**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 G. Nims**  
 (Signature)  
 Engineer  
 (Title)  
 March 8, 1982  
 (Date)

**OIL CONSERVATION COMMISSION**  
**APR 2 1982**  
 APPROVED \_\_\_\_\_, 19\_\_\_\_  
 ORIGINAL SIGNED BY  
 BY **JERRY SEXTON**  
 TITLE **DISTRICT 1 SUPR.**

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 1111.  
 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 condition.

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	GAS
OPERATOR	
PROPRATION OFFICE	

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

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

Operator  
**AA ENERGY CORPORATION**

Address  
**1500 Fidelity Union Tower, Dallas, Texas 75201**

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

New Well  Change in Transporter of:

Recompletion  Oil  Dry Gas

Change in Ownership  Casinghead Gas  Condensate

If change of ownership give name and address of previous owner  
**King, Warren & Dye, Dallas Federal Savings Tower, Suite 750**  
**8333 Douglas, Dallas, Texas 75225**

**DESCRIPTION OF WELL AND LEASE**

Lease Name <b>Toby</b>	Well No. <b>2</b>	Pool Name, including Formation <b>Jalpat (Yates-Seven Rivers)</b>	Kind of Lease State, Federal or Fee <b>Fee</b>	Lease No.
Location Unit Letter <b>K</b> ; <b>1980</b> Feet From The <b>South</b> Line and <b>1980</b> Feet From The <b>West</b> Line of Section <b>7</b> Township <b>24 South</b> Range <b>37 East</b> , NMPM, <b>Lea</b> 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)
<b>El Paso Natural Gas Company</b>	<b>P. O. Box 1492, El Paso, TX 79978</b>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<b>Yes 1949</b>

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

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Dill. Res'
<input checked="" type="checkbox"/>								
Date Spudded	Date Compl. Ready to Prod.	Total Depth			P.B.T.D.			
Elevations (DF, RKB; RT, CR, 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

**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

**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.

*Kurt J. Sheppard*  
 Senior Vice President  
 February 20, 1980

**OIL CONSERVATION COMMISSION**

APPROVED **FEB 26 1980**, 19

BY **Orig. Signed by Les Clements**  
 TITLE **Oil & Gas Insp.**

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

NEW MEXICO OIL CONSERVATION COMMISSION

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

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. Unit Agreement Name
2. Name of Operator King Warren & Dye	8. Form or Lease Name Toby
3. Address of Operator Box 1505, Midland, Texas 79701	9. Well No. 2
4. Location of Well UNIT LETTER <u>K</u> <u>1980</u> FEET FROM THE <u>west</u> LINE AND <u>1980</u> FEET FROM <u>south</u> LINE, SECTION <u>7</u> TOWNSHIP <u>24</u> RANGE <u>37</u> NMPM.	10. Field and Pool, or Wildcat Langlie-Mattix
15. Elevation (Show whether DF, RT, GR, etc.) 3323 DF	12. County Lea

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <u>Suspend Operations</u> <input checked="" type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

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

This lease lies within the boundries of the proposed Skelly Myers Langlie-Mattix Unitization Area. As yet we have not joined the Unit. This well will be put back to work or plugged or sold pending settlement of its unit status.

THIS IS A DUAL OIL AND GAS WELL. IT IS CURRENTLY PRODUCING FROM BEHIND THE CASING FROM THE JALMAT PAY.

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

SIGNED John Thomas TITLE Agent DATE Oct 1 1974

APPROVED BY Joe D. Ramey TITLE \_\_\_\_\_ DATE OCT 10 1974

CONDITIONS OF APPROVAL, IF ANY: Dist. 1, Supp.

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator <b>King Warren &amp; Dye</b>	8. Farm or Lease Name <b>Toby</b>
3. Address of Operator <b>Box 1505, Midland, Texas 79701</b>	9. Well No. <b>2</b>
4. Location of Well UNIT LETTER <b>K</b> <b>1980</b> FEET FROM THE <b>West</b> LINE AND <b>1930</b> FEET FROM THE <b>South</b> LINE, SECTION <b>7</b> TOWNSHIP <b>24 S</b> RANGE <b>37 E</b> NMPM.	10. Field and Pool, or Wildcat
15. Elevation (Show whether DF, RT, GR, etc.)	12. County <b>Lea</b>

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

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

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

Operations will be suspended on the oil portions of this lease pending clarification and completion of the plans for the proposed Meyers Unit being furthered by Skelly

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

SIGNED Joe Ramey TITLE Agent DATE 9/29/71

APPROVED BY Joe D. Ramey TITLE \_\_\_\_\_ DATE OCT 1 1971

CONDITIONS OF APPROVAL, IF ANY:

HOBBS OFFICE OCC

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalpat Formation Yates 13 AM 8:48 County Lea

Initial \_\_\_\_\_ Annual \_\_\_\_\_ Special X Date of Test 12-31-56 = 1-4-57

Company King, Warren & Dye Lease Toby Well No. 2

Unit K Sec. 7 Twp. 24S Rge. 37E Purchaser EPNG

Casing 5 1/2 Wt. \_\_\_\_\_ I.D. \_\_\_\_\_ Set at 3423 Perf. 2910 To 3030

Tubing 2 Wt. \_\_\_\_\_ I.D. \_\_\_\_\_ Set at \_\_\_\_\_ Perf. \_\_\_\_\_ To \_\_\_\_\_

Gas Pay: From 2910 To 3030 L 2910 xG .655 -GL 1906 Bar.Press. 13.2

Producing Thru: Casing X Tubing \_\_\_\_\_ Type Well G.O. Dual

Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: 7-25-47 Packer No Reservoir Temp. \_\_\_\_\_

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps \_\_\_\_\_

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h <sub>w</sub>	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI								892		72
1.	4	2,000	846	4.41	89			855		24
2.	4	2,000	826	9.61	85			839		24
3.	4	2,000	774	27.56	80			794		24
4.	4	2,000	690	69.72	76			721*		24
5.										

\*Not enough draw down - choke restriction

FLOW CALCULATIONS

No.	Coefficient F <sub>lp</sub> (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Compress. Factor F <sub>pv</sub>	Rate of Flow Q-MCFPD @ 15.025 psia
1.	25.58	61.55		.9732	.9571	1.077	1,579
2.	25.58	89.79		.9768	.9571	1.077	2,313
3.	25.58	147.28		.9813	.9571	1.072	3,793
4.	25.58	221.39		.9850	.9571	1.070	5,713
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio \_\_\_\_\_ cf/bbl. Specific Gravity Separator Gas \_\_\_\_\_  
 Gravity of Liquid Hydrocarbons \_\_\_\_\_ deg. Specific Gravity Flowing Fluid \_\_\_\_\_  
 C 1.712 (1-e<sup>-s</sup>) .123 P<sub>c</sub> 905.2 P<sub>c</sub><sup>2</sup> 819.4

No.	P <sub>w</sub> P <sub>t</sub> (psia)	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-s</sup> )	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Cal. P <sub>w</sub>	P <sub>w</sub> /P <sub>c</sub>
1.	868.2	753.8	2.70	7.29	.9	754.7	64.7	868.7	.96
2.	852.2	726.2	3.96	15.68	1.9	728.1	91.3	853.3	.94
3.	807.2	651.6	6.49	42.12	5.2	656.8	162.6	810.4	.90
4.	734.2	539.0	8.78	95.65	11.8	550.8	208.6	742.2	.82
5.									

Absolute Potential: 14,800 MCFPD; n .839

COMPANY El Paso Natural Gas Co.

ADDRESS Box 1492, El Paso, Texas

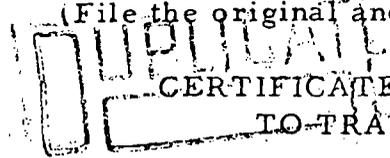
AGENT and TITLE \_\_\_\_\_

WITNESSED Test conducted by Edward Mabe

COMPANY El Paso Natural Gas Company

REMARKS

(File the original and 4 copies with the appropriate district office)



CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

PH 1:06

Company or Operator King, Warren & Dye Lease Toby

Well No: 2 Unit Letter K S 7 T 24S R 37E Pool Langlie-Mattix

County Lea Kind of Lease (State, Fed. or Patented) Patented

If well produces oil or condensate, give location of tanks: Unit K S 7 T 24S R 37E

Authorized Transporter of Oil or Condensate Shell Oil Corporation

Address P. O. Box 1609, Midland, Texas  
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address P. O. Box 1492, El Paso, Texas  
(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well ( )

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership ( ) Other ( )

Remarks: (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 19 day of December 19 55

Approved \_\_\_\_\_ 19 \_\_\_\_\_

By [Signature]  
Title Manager

OIL CONSERVATION COMMISSION

Company King, Warren & Dye

[Signature]  
Title \_\_\_\_\_

Address P. O. Box 1505  
Midland, Texas

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO

NUMBER OF FIELD OFFICE

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator King, Warren & Dye Lease Stuart APR 2 3:00

Address Box 1505 Midland, Texas

(Local or Field Office)

(Principal Place of Business)

Unit K Wells No. 2 Sec. 7 T. 24 R. 37 Field Langlie-Mattix County Lea

Kind of Lease Oil & Gas Location of Tanks Center of Lease

Transporter El Paso Natural Gas Co. Address of Transporter Jal, New Mexico

gas

(Local or Field Office)

El Paso, Texas Percent of ~~37~~ to be transported 100. Other transporters author-

(Principal Place of Business)

ized to transport ~~37~~ from this unit are None %

REMARKS:

Filed For Casinghead Gas

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the 1st day of April, 1945

KING, WARREN & DYE

(Company of Operator)

By John Thomas  
Title Manager

State of TEXAS

County of MIDLAND

ss.

Before me, the undersigned authority, on this day personally appeared John Thomas known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the 1st day of April, 1945

Sally Clark

Notary Public in and for Midland County, Texas

Approved: \_\_\_\_\_ 194

OIL CONSERVATION COMMISSION

By M. L. Armstrong

(See Instruction on Reverse Side)

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

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-offs, 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	X	REPORT ON PULLING OR OTHERWISE ALTERING CASING	X
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Box 1505, Midland, Texas

September 27, 1954

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 \_\_\_\_\_

King, Warren & Dye  
Company or Operator

Toby  
Lease

Well No. 2 in the

K Location of Sec. 7 T. 24 R. 37, N. M. P. M.,

Langlie Mattix Field, Lea County

The dates of this work were as follows: September 1 thru September 5

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

Tubing was pulled, open shot hole was sand pumped, and then cleaned out to bottom with reverse circulation equipment. Well was given a 6000 gal. Petro-Frac treatment down the casing followed by 200 barrels of load oil. Tubing was rerun with a packer and two GOT flow valves. Well was rigged up on surface for gas lift.

Witnessed by John Thomas  
Name

King, Warren & Dye  
Company

Manager  
Title

Subscribed and sworn to before me this 27th

day of September, 1954

Larry Clark  
Notary Public

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

Name: John Thomas

Position: Manager

Representing: King, Warren & Dye  
Company or Operator

My Commission expires 5/1/55

Address: Box 1505, Midland, Texas

Remarks:

S. G. Stanley  
Name  
Title

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2045  
HOBBS, NEW MEXICO

DATE April 21, 1954

TO: King Warren & Dye  
Box 270, Midland, Texas

GENTLEMEN:

Form C-104 for your Toby 2 7-24-37 Langmat  
LEASE WELL S.T.R. POOL

has been approved, however, since this well is:

- ( ) An unorthodox location,
- ( X ) Located on an unorthodox proration unit,
- ( ) Outside the boundaries of a designated pool,

it will be necessary for you to;

- ( ) Comply with the provisions of Rule 4 of Commission Order \_\_\_\_\_
- ( X ) Comply with the provisions of Rule 7 of Commission Order R 369 A
- ( ) File Form C-123

Pending further Commission action this unit will be assigned an 80 Acres acre allowable.

Previous report failed to assign acreage.  
This is corrected report. Well is a braden-head well producing gas in Langmat Pool and Oil from Langlie-Mattix.

Stanley J. Stanley  
A. L. Porter, Jr.  
Proration Manager

ALP/pb

cc/ Transporter **El Paso Natural Gas Co.**

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2045  
HOBBS, NEW MEXICO

DATE April 9, 1954

TO: King, Warren & Dye  
Box 270, Midland, Texas

GENTLEMEN:

Form C-104 for your Toby 2 K 7-24-37 Langlie-Mattix  
LEASE WELL S.T.R. POOL

*180 Acres*  
*Langquist*

has been approved, however, since this well is:

- ( ) An unorthodox location,
- ( ) Located on an unorthodox proration unit,
- ( ) Outside the boundaries of a designated pool,

it will be necessary for you to;

- ( ) Comply with the provisions of Rule 4 of Commission Order \_\_\_\_\_
- ( ) Comply with the provisions of Rule 7 of Commission Order \_\_\_\_\_
- ( ) File Form C-123

Pending further Commission action this unit will be assigned an \_\_\_\_\_ acre allowable.

The above well is reclassified as a gas-oil dual producing gas between csg. annulus and oil through tbg. Well will appear on the oil 7 gas schedule.

Stanley J. Stanley  
A. L. Porter, Jr.  
Proration Manager

ALP/pb

cc/ Transporter El Paso Natural Gas Co.

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2045  
HOBBS, NEW MEXICO

DATE January 8, 1954

TO: King, Warren & Dye  
Box 270, Midland, Texas

GENTLEMEN:

Form C-104 for your Toby 2 7-24-37 Langlie-Mattix  
LEASE WELL S.T.R. POOL

has been approved, however, since this well is:

- An unorthodox location,
- Located on an unorthodox proration unit,
- Outside the boundaries of a designated pool,

it will be necessary for you to;

- Comply with the provisions of Rule 4 of Commission Order \_\_\_\_\_
- Comply with the provisions of Rule 7 of Commission Order \_\_\_\_\_
- File Form C-123

Pending further Commission action this unit will be assigned an \_\_\_\_\_ acre allowable.

The above well exceeds the vertical limits of the Langmat gas pool and is classified as a gas well in an oil pool. Gas production will be governed by the rules of the Langlie-Mattix oil Pool. The G.O.R. limit is unlimited.

Stanley J. Stanley  
A. L. Porter, Jr.  
Proration Manager

ALP/pb

cc/ Transporter El Paso Natural Gas Co.

*The above*

**DUPLICATE**  
[ ]

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
JAN 7 1954  
New Well  
Recompletion  
OIL CONSERVATION COMMISSION  
HOBBBS OFFICE

REQUEST FOR (OIL) - (GAS) ALLOWABLE

This form shall be submitted by the operator before an initial allowable will be assigned to Form C-104 is to be submitted in QUADRUPPLICATE to the same District Office to which Form C-104 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.

Midland, Texas January 5, 1954  
(Place) (Date)

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

King, Warren & Dye (Company or Operator), Well No. 2, in NE 1/4 SW 1/4, (lease)  
K (Unit), Sec. 7, T. 24 S, R. 37 E, NMPM, Langlic-Mattix Pool  
Lea County. Date Spudded. 6-29-47, Date Completed. 7-26-47

Please indicate location:

	X		

Elevation. 3323 Total Depth. 3570, P.B.  
Top ~~oil~~ gas pay. 2872 Top of Prod. Form. 2872  
Casing Perforations: ..... or  
Depth to Casing shoe of Prod. String. 2789  
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. 8 million cu. ft./day  
Size choke in inches. 1"  
Date first oil run to tanks or gas to Transmission system: .....  
Transporter taking Oil or Gas: El Paso Natural

Casing and Cementing Record

Size	Feet	Sax
13-3/8	150	200
8-5/8	2789	700
5-1/2	3423	250

Remarks: New proration rules

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

Approved. JAN 8 1954, 19.....

OIL CONSERVATION COMMISSION  
By: J. G. Stanley  
Title: Engineer, District

(Company or Operator)  
By: King, Warren & Dye (Signature)  
Title: Production Supt.  
Send Communications regarding well to:  
Name: John Thomas  
Address: Box 1505, Midland, Texas

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
JAN 7 1954  
OIL CONSERVATION COMMISSION  
HOBBS OFFICE  
(Form C-101  
7/1/52)

It is necessary that Form C-104 be approved before this form can be approved on an initial allowable well. Submit this form in QUADRUPPLICATE.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator King, Warren & Dye Lease Toby

Address Box 1505, Midland, Texas Midland, Texas  
(Local or Field Office) (Principal Place of Business)

Unit K, Well(s) No. 2, Sec. 7, T. 24 S, R. 37 E, Pool Langlie-Mattix

County Lea Kind of Lease: Private Land

If Oil well Location of Tanks.....

Authorized Transporter El Paso Natural Gas Address of Transporter.....

(Local or Field Office) (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported 100% Other Transporters authorized to transport Oil or Natural Gas from this unit are.....

Humble Pipe Line Company Oil 100%

REASON FOR FILING: (Please check proper box)

NEW WELL  CHANGE IN OWNERSHIP

CHANGE IN TRANSPORTER  OTHER (Explain under Remarks)

REMARKS: New Proration rules

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 5th day of January 19 54

Approved JAN 8 1954, 19.....

OIL CONSERVATION COMMISSION  
By L. G. Stanley  
Title Engineer District 1

King, Warren & Dye  
By [Signature]  
Title Production Supt.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

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-offs, 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.

DUPLICATE

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 Shut in Pressure test	X

Midland, Texas

June 26, 1951

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

King, Warren & Dye

Toby

Well No. 2

in the

Company or Operator

Lease

11/4 of SW/4

of Sec. 7

T. 24-S

R. 37-E

N. M. P. M.,

Langlois-Intir

Field,

Los County, New Mexico

County

The dates of this work were as follows:

May 16, 1951

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

24 Hour shut in Pressure, PSIG 1131# taken with dead weight gauge.

RECEIVED JUL - 2 1951 OIL CONSERVATION COMMISSION HOBBS-OFFICE

Witnessed by Fred G. Bernard

El Paso Natural Gas Co.

Name

Company

Title

Subscribed and sworn to before me this \_\_\_\_\_

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

\_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_

Name \_\_\_\_\_

Position \_\_\_\_\_

Notary Public

Representing \_\_\_\_\_ Company or Operator

My Commission expires \_\_\_\_\_

Address \_\_\_\_\_

Remarks:

JUL - 2 1951

Ray Yarbrough Oil & Gas Inspector

John Thomas Production Supt.

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO

RECEIVED  
Form C-111  
AUG 29 1947  
RECEIVED  
OILS OFFICE

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator King, Warren and Dye Lease Toby

Address Box 270, Midland, Texas Midland, Texas  
(Local or Field Office) (Principal Place of Business)

Unit K Wells No 2 Sec. 7 24-S 37-E Field Langlie-Mattix County Lea

Kind of Lease Privately owned Location of Tanks Center of 80 acres

Transporter Humble Pipe Line Company Address of Transporter Midland, Texas  
(Local or Field Office)

Houston, Texas Percent of oil to be transported 100% Other transporters author-  
(Principal Place of Business) ized to transport oil from this unit are \_\_\_\_\_ %

REMARKS:

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the 28th day of August, 1947

King, Warren & Dye  
(Company or Operator)  
By Phil Yeckel  
Title Manager

State of TEXAS  
County of MIDLAND

ss.

Before me, the undersigned authority, on this day personally appeared Phil Yeckel known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the 28th day of August, 1947

H. D. Johnson  
H. D. JOHNSON, Notary Public  
MIDLAND COUNTY, TEXAS

Notary Public in and for Midland County,  
Approved: Ray D. Yarnsworth 1947

OIL CONSERVATION COMMISSION  
By Ray D. Yarnsworth

(See Instruction on Reverse Side)

Oil & Gas Inspector

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

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

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHUT OFF OR CHEMICALLY TREAT WELL
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING
NOTICE OF INTENTION TO REPAIR WELL	<input type="checkbox"/>	
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG WELL

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO.  
AUG 18 1947  
AUG 19 1947  
RECEIVED  
JOHNS OFFICE

Midland, Texas  
Place

July 28, 1947  
Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the \_\_\_\_\_

King, Warren & Dye

Toby

Well No. 2

in NE/4 of SW/4

Company or Operator

Lease

of Sec. 7, T. 24-S, R. 37-E, N. M. P. M., Langlie-Mattix Field,

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Propose to test 2789' 88 jts. 8 5/8 intermediate string casing with pump pressure.

Approved AUG 19 1947, 19 \_\_\_\_\_  
except as follows:

KING, WARREN AND DYE  
Company or Operator

By Phil Yeckel  
Position Manager

Send communications regarding well to

Name King, Warren and Dye

Address Box 270

Midland, Texas

OIL CONSERVATION COMMISSION,

By Wey Wankraich  
Title Oil & Gas Inspector

DUPLICATE

FORM C-105

N.


AREA 640 ACRES  
LOCATE WELL CORRECTLY

Drill stem test taken from 2872' to 3100'. 1200 lbs. gas pressure - gas to surface in 9 minutes - 8 million cubic feet of gas.

Intermediate string 8 5/8" set at 2789' in order to Braden-head gas.

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPPLICATE.

King, Warren & Dye Company or Operator Box 270, Midland, Texas Address

Toby Lease Well No. 2 in NE/4 SW/4 of Sec. 7, T. 24-S

R. 37-E N. M. P. M., Langlie-Mattix Field, Lea County.

Well is 1980 feet North of the South line and 1980 feet East of the West line of Section 7

If State land the oil and gas lease is No. Assignment No.

If patented land the owner is Arthur Toby Address Jal, New Mexico

If Government land the permittee is Address

The Lessee is Address

Drilling commenced 6-29 1947 Drilling was completed 7-23 1947

Name of drilling contractor Westlund & Johnson Address Midland, Texas

Elevation above sea level at top of casing 3323 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 2872 to 3100 gas	No. 4, from to
No. 2, from 3510 to 3570 oil	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 No water at red beds to feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
13 3/8		3"		150				
8 5/8		3		2789	Larkin			
5 1/2	15 1/2	3		3423	Larkin			
2"	4.70	1 1/2		3548				

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17	13 3/8	150	200	Circulated		
11	8 5/8	2789	700	Plug		
7 7/8	5 1/2	3423	250	Plug		

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**RECORD OF SHOOTING OR CHEMICAL TREATMENT**

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
4"	Tin	Nitroglycerin	150 qt.	7/25	3480-3532	3564

Results of shooting or chemical treatment No natural test taken. After shot well flowed approximately 60 barrels per day.

**RECORD OF DRILL-STEM AND SPECIAL TESTS**

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

**TOOLS USED**

Rotary tools were used from Surface feet to 3570 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**Cleaning Out**

**PRODUCTION**

Put to producing August 1, 19 47  
 The production of the first 24 hours was 58 bbls. barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be 33°  
 If gas well, cu. ft. per 24 hours Approx. 8 million Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. Flowing pressure 1300

**EMPLOYEES**

C. R. Stanley, Driller J. L. Lee, Driller  
T. M. Brown, Driller \_\_\_\_\_, Driller

**FORMATION RECORD ON OTHER SIDE**

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

Subscribed and sworn to before me this 11th

day of August, 19 47

D. Johnson  
 Notary Public

My Commission expires JUN 1 1949

Place Midland, Texas August 11, 1947

Name Phil Yeckel

Position Manager

Representing King, Warren and Dye  
 Company or Operator

Address Box 270, Midland, Texas

D. JOHNSON, NOTARY PUBLIC  
 MIDLAND COUNTY, TEXAS

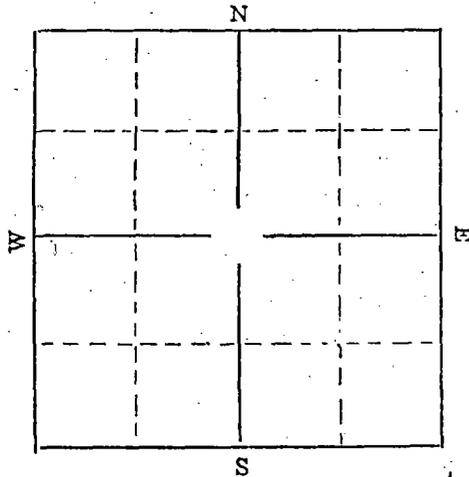
### FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	73		Surface Caliche
73	646		Red Bed
646	865		Red Bed & Red Rock
865	1165		Anhydrite & Red Bed
1165	1238		Anhydrite, Red Bed, sandy Shale
1238	1280		Anhydrite & Red Rock
1280	2250		Salt & Anhydrite
2250	2716		Anhydrite, Salt & Gyp
2716	2795		Anhydrite & Lime
2795	2900		Lime
2900	3005		Sand & Lims
3005	3570		Lims - Total Depth

Langlie-Matrix

# SCOUT REPORT

## NEW MEXICO OIL CONSERVATION COMMISSION



Company King, Warren & Dye  
 Farm Name Pat Joby Well No. 2  
 Sec. 7 Twp. 24 Range 37 County Lea  
 Feet from Line: N. 1980 S. E. 1980 W.  
 Elevation 3314 Method \_\_\_\_\_  
 Contractor \_\_\_\_\_  
 Spudded 6-29-17 Completed 8-3-17

### AMOUNT CASING & CEMENTING RECORD

Size	Feet	Inches	Sax Cement
<u>12 3/8</u>	<u>144</u>		<u>150</u>
<u>8 5/8</u>	<u>2789</u>		<u>700</u>
<u>5 1/2</u>	<u>3440</u>		<u>250</u>

### TUBING RECORD

PACKER

ACID RECORD Gals.	TA	TG
	TX	TSA
TCA	TGI	
BX	TYo	
TY	TABo	
TSR	TPenn	
Top Pay <u>3480</u>	TQ	TOrd

### SHOOTING RECORD

No. of Quarts	From	To
S/	S/	S/
S/	S/	S/
S/	S/	S/

Date		Date	
<u>7-9</u>	<u>JD 27958 1102</u>		
<u>7-16</u>	<u>03272R</u>		
<u>7-23</u>	<u>03544R</u>		
<u>7-30</u>	<u>JD 3570 L Moving in cable tools.</u>		
<u>8-6</u>	<u>JD 3570 f. Cleanout after school</u>		
<u>8-13</u>	<u>JD 3574 L A.P. of low 45 BOPD three opens 2" chg @ 3564 Grad. 36°</u>		

Place Midland, Texas  
Date August 18, 1947

D	C	B	A
E	F	G	H
L	<del>K</del>	J	I
M	N	O	P

Glenn Staley  
Proration Office  
Hobbs, New Mexico

Designate UNIT well is located in \_\_\_\_\_

NOTICE OF COMPLETION OF: (Lease) Toby Well No. 2  
1980' North feet from South line: 1980' East feet from West line  
Section 7 Township 24-S Range 37-E

DATE STARTED 6-29-47  
DATE COMPLETED 7-23-47  
ELEVATION 3323  
TOTAL DEPTH S.L. 3570  
CABLE TOOLS \_\_\_\_\_ ROTARY TOOLS X

CASING RECORD

SIZE	<u>13 3/8</u>	DEPTH	<u>150</u>	SAX CEMENT	<u>200</u>
SIZE	<u>8 5/8</u>	DEPTH	<u>2789</u>	SAX CEMENT	<u>700</u>
SIZE	<u>5 1/2</u>	DEPTH	<u>3423</u>	SAX CEMENT	<u>250</u>

TUBING RECORD

SIZE 2 EUE DEPTH 3564'

ACID RECORD

NO. GALS. \_\_\_\_\_  
NO. GALS. \_\_\_\_\_  
NO. GALS. \_\_\_\_\_

SHOT RECORD

NO. QTS. 150 Qts. Nitroglycerine  
NO. QTS. \_\_\_\_\_  
NO. QTS. \_\_\_\_\_

FORMATION TOPS

Anhydrite \_\_\_\_\_  
Top Salt \_\_\_\_\_  
Base Salt \_\_\_\_\_  
Red Sand \_\_\_\_\_  
Brown Lime \_\_\_\_\_  
White Lime \_\_\_\_\_  
Oil or Gas Pay 3450 - 3565 - Oil Gas 2885 - 3100  
Water \_\_\_\_\_

Initial Production Test \_\_\_\_\_ Pumping \_\_\_\_\_ Flowing Flowing  
Test After Acid or Shot No natural test taken. After shot well flowed approximately  
60 barrels per day.

Initial GAS VOLUME \_\_\_\_\_

SCHEDULE NO. \_\_\_\_\_ DATE \_\_\_\_\_

PIPE LINE TAKING OIL Humble Pipe Line Company

REMARKS: \_\_\_\_\_ COMPANY: KING, WARREN AND DYE

\_\_\_\_\_ SIGNED BY: Phil Yeckel

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO.

MISCELLANEOUS REPORTS ON WELL

RECEIVED  
AUG 19 1947  
HOBS 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-offs, result of plugging of well, or 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	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Midland, Texas

August 4, 1947

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

King, Warren & Dye Company or Operator Toby Lease Well No. 2 In the NE/4 of SW/4 of Sec. 7, T. 24-S, R. 37-E, 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

Built up 1250 lbs. pressure on 3440' 5 1/2 oil string.

Witnessed by Phil Yeckel King, Warren & Dye Manager Title

Subscribed and sworn to before me this 4th day of August, 19 47

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

Notary Public

Name Phil Yeckel Position Manager

My Commission expires JUN 1 1949 Address Box 270, Midland, Texas

Representing King, Warren & Dye Company or Operator

Remarks:

Ray Yarbrough Oil & Gas Inspector Title

APPROVED  
AUG 19 1947

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

MISCELLANEOUS REPORTS ON WELL

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-offs, 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	X	REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL		

RECEIVED  
AUG 19 1947  
HOBBS OFFICE

Midland, Texas  
Place

August 2, 1947  
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 \_\_\_\_\_

~~King, Warren & Dye~~ Toby Well No. 2 in the  
Company of Operator Lease  
NE/4 of SW/4 of Sec. 7 T. 24-S, R. 37-E, N. M. P. M.,  
Langlo-Mattix Field, Loa 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

Built up 1100 lbs. pressure on 2789' 88 fts. 8 5/8" intermediate string.

Witnessed by Phil Yeckel King, Warren & Dye Manager  
Name Company Title

Subscribed and sworn to before me this 2nd

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

day of August, 19 47

Name Phil Yeckel

*W.A. Johnson*

Position Manager

Notary Public

Representing King, Warren & Dye  
Company or Operator

My Commission expires JUN 1 1949

Address Box 270, Midland, Texas

Remarks:

PROVED  
AUG 19 1947

*Ray Younkraft*  
Name  
Oil & Gas Inspector  
Title

TRIPPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO.  
AUG 19 1947  
RECEIVED  
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-offs, result of plugging of well and other important operations, even though the work was witnessed by an agent of the commission. Reports on shut-off 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	X	REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL		

Midland, Texas

July 30, 1947

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

King, Warren & Dye Company of Operator Toby Lease Well No. 2 in the NE/4 of SW/4 of Sec. 7 T. 24-S R. 37-E, 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

Built up 800 lbs. pressure on 150' 13 3/8" surface casing.

Witnessed by Phil Yeckel King, Warren & Dye Manager  
Name Company Title

Subscribed and sworn to before me this 30th

day of July, 19 47

[Signature]

Notary Public

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

Name [Signature]

Position Manager

Representing King, Warren & Dye Company or Operator

My Commission expires JUN 1 1949

Address Box 270, Midland, Texas

Remarks:

APPROVED  
Date AUG 19 1947

[Signature]  
Oil & Gas Inspector

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

DUPLICATE

MISCELLANEOUS NOTICES

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO.  
AUG 15 1947  
RECEIVED  
AUG 19 1947  
HOBBS OFFICE

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

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG OR OTHERWISE ALTER CASING	<input type="checkbox"/>
NOTICE OF INTENTION TO REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG WELL	<input type="checkbox"/>

Midland, Texas July 28, 1947

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the \_\_\_\_\_

King, Warren & Dye Company of Operator Lease Toby Well No. 2 in NE/4 of SW/4 of Sec. 7, T. 24-S, R. 57-E, N. M. P. M., Langlie-Mattix Field, Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Propose to test 3440' 5 1/2" 14#, 15 1/2# & 17# oil string with pump pressure.

Approved AUG 19 1947 19  
except as follows:

KING, WARREN & DYE  
By Phil Yackel  
Position Manager  
Send communications regarding well to

OIL CONSERVATION COMMISSION,  
By Roy Yackel  
Title Oil & Gas Inspector

Name King, Warren & Dye  
Address Box 270  
Midland, Texas

**DUPLICATE**

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
**MISCELLANEOUS NOTICES**

**AUG 15 1947**

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

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHUT OFF OR CHEMICALLY TREAT WELL
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG OR OTHERWISE ALTER CASING
NOTICE OF INTENTION TO REPAIR WELL	<input type="checkbox"/>	
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG WELL

**RECEIVED**  
**AUG 15 1947**  
**REGISTRATION OFFICE**

Midland, Texas  
Place

July 23, 1947  
Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

King, Warren & Dye Toby Well No. 2 in NE/4 of SW/4  
Company or Operator Lease  
of Sec. 7, T. 24-S, R. 37-E, N. M. P. M., Langlie-Mattix Field,  
Lea County.

**FULL DETAILS OF PROPOSED PLAN OF WORK**  
**FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION**

**Propose to test 150' 13 3/8 surface casing with pump pressure.**

**AUG 19 1947**

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

**KING, WARREN AND DYE**

Company or Operator

By Phil Speckel

Position Manager

Send communications regarding well to

Name King, Warren & Dye

Address Box 270

Midland, Texas

OIL CONSERVATION COMMISSION,

By Ray Yankovich

Title Oil & Gas Inspector

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

RECEIVED  
JUL 1 1947  
TOLSON'S OFFICE

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following additional instruction in Rules and Regulations of the Commission.

Midland, Texas Place June 28, 1947 Date

OIL CONSERVATION COMMISSION.  
Santa Fe, New Mexico.

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as \_\_\_\_\_

King, Warren & Dye Well No. 2 in NE/4 of SW/4  
Company or Operator Lease

of Sec. 7, T. 24-S, R. 37-E, N. M. P. M. Langlie-Mattix Field, Lea County  
N.


The well is 1980 feet (N.) (~~S.~~) of the South line and 1980 feet (E.) (~~W.~~) of the West line of Section 7  
(Give location from section or other legal subdivision lines. Cross out wrong directions)

If state land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_

If patented land the owner is George Toby

Address Cooper, New Mexico

If government land the permittee is \_\_\_\_\_

Address \_\_\_\_\_

The lessee is King, Warren & Dye

Address Box 270, Midland, Texas

AREA 640 ACRES  
LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows: Rotary

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: \_\_\_\_\_

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
15"	13 3/8	6116	2nd Hand	250	Cemented	150
11"	8 5/8	3216	2nd Hand	2900	Cemented	750
7 7/8"	5 1/2	1416	New	3400	Cemented	250

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil and gas sand should occur at a depth of about \_\_\_\_\_ feet.

Additional information:

Approved JUL 8 1947, 19\_\_\_\_  
except as follows:

Sincerely yours,  
KING, WARREN AND DYE  
Company of Operator  
By Paul Eichel  
Position Manager  
Send communications regarding well to  
Name King, Warren and Dye  
Address Box 270, Midland, Texas

OIL CONSERVATION COMMISSION  
By R. L. Spurrer  
Title \_\_\_\_\_

30-025-27786

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	



NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

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

c. Name of Operator  
Doyle Hartman

d. Address of Operator  
P. O. Box 10426, Midland, Texas 79702

e. Location of Well  
 UNIT LETTER L LOCATED 1780 FEET FROM THE South LINE  
 AND 1100 FEET FROM THE West LINE OF SEC. 7 TWP. 24-S RGE. 37-E HILPERN

5A. Indicate Type of Lease  
 STATE  FILE

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Form or Lease Name  
Toby

9. Well No.  
3

10. Field and Pool, or Willent  
Jalmat (Gas)

12. County  
Lea

11. Proposed Depth 3450	19A. Formation Yates-Seven Rivers	20. Rotary or C.T. Rotary
13. Elevations (Show whether DE, RI, etc.) 3303.0 G.L.	21A. Kind & Status Plug. Bond Multi-Well Approved	21B. Drilling Contractor Kenai
		22. Approx. Date Work will start April, 1982

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	9 5/8	40.5	400	300	Surface
8 3/4	7	23.0	3450	600	Surface

The proposed well will be drilled to a total depth of 3450 feet and will be completed as a Jalmat (Yates-Seven Rivers) gas producer. From the base of the surface pipe through the running of the production casing, the well will be equipped with a 3000 psi double ram BOP system.

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

APPROVAL VALID FOR 180 DAYS  
 PERMIT EXPIRES 11/6/82  
 UNLESS DRILLING UNDERWAY

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

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

Signed Larry A. Newman Title Engineer Date March 31, 1982

(This space for State Use)  
 ORIGINAL SIGNED BY

APPROVED BY JERRY SEXTON TITLE DISTRICT 1 SUPR. DATE MAY 6 1982

CONDITIONS OF APPROVAL, IF ANY:

MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

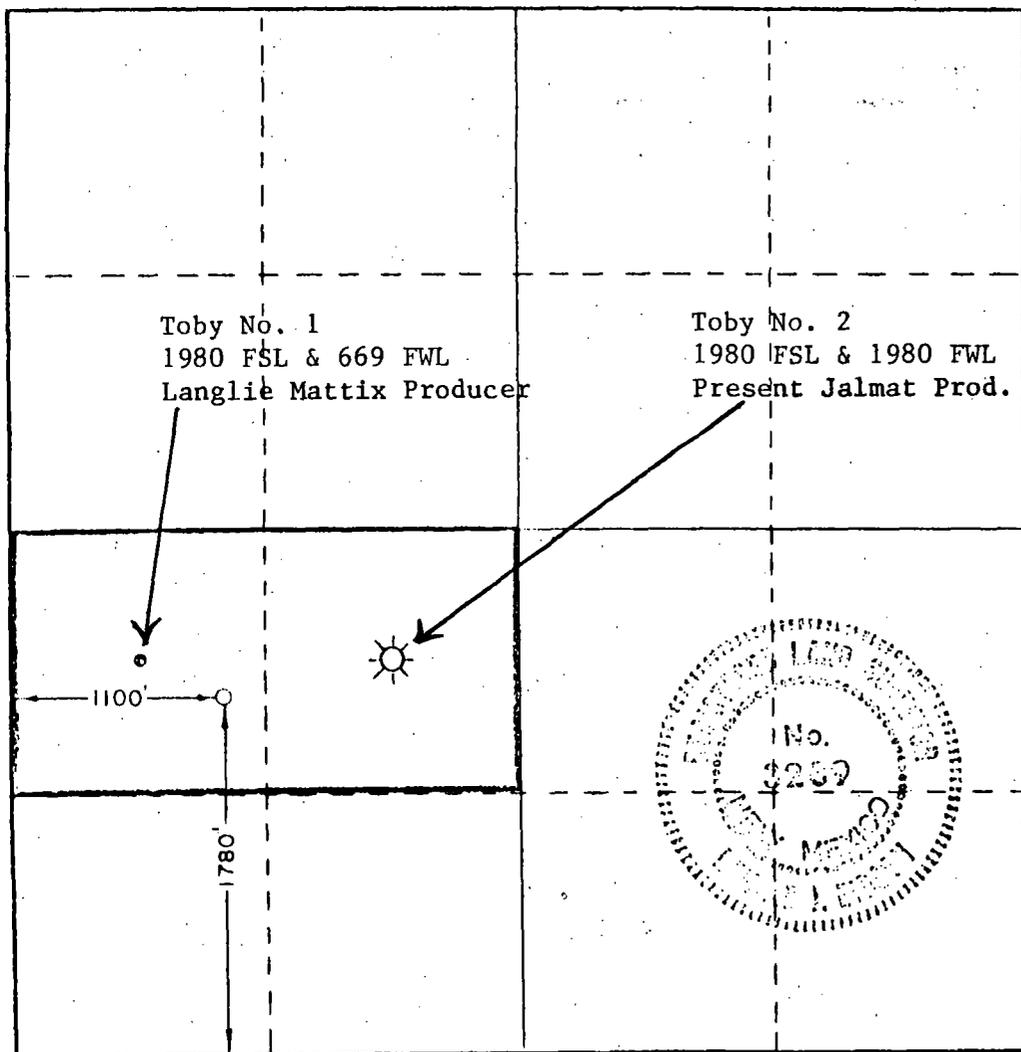
Operator <b>Doyle Hartman</b>		Lease <b>Toby</b>		Well No. <b>3</b>
Tract Letter <b>I</b>	Section <b>7</b>	Township <b>24-S</b>	Range <b>37-E</b>	County <b>Lea</b>
Actual Footage Location of Well: <b>1780</b> feet from the <b>South</b> line and <b>1100</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3303.0'</b>	Producing Formation <b>Yates-Seven Rivers</b>	Pool <b>Jalmat (Gas)</b>	Dedicated Acreage <b>80</b>	

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

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

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

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



CERTIFICATION

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

Larry Nermyr

Name  
*Larry G. Nermyr*

Position  
Engineer

Company  
Doyle Hartman

Date  
March 31, 1982

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

Date Surveyed  
March 31, 1982

Registered Professional Engineer and/or Land Surveyor

*Ronald J. Eidson*

Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6868**  
**Ronald J. Eidson 3239**





OIL CONSERVATION DIVISION

P. O. BOX 2098

SAN LUIS, NEW MEXICO 87501

Form C-101  
Revised 10-1-

NO. OF COPIES RECEIVED	
DISTRIBUTION	
TABLET	
FILE	
DATE	
INITIALS	
FIELD OFFICE	
OPERATION	

4. Indicate Type of Lease  
State     
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR RE-DRILL OR PLUG BACK TO A DIFFERENT RESERVOIR. USE INDICATION FOR PERMIT ON FORM C-101 FOR SUCH PROPOSALS.)

Oil Well  Gas Well  OTHER

7. Unit Agreement Name

Name of Operator

8. Term or Lease Name

Doyle Hartman

Toby

Address of Operator

9. Well No.

P. O. Box 10426, Midland, Texas 79702

10. Field and Pool, or Well Unit

Location of Well

Jalmat (Gas)

UNIT LETTER L 1780 FEET FROM THE South LINE AND 1100 FEET FROM

THE West LINE, SECTION 7 TOWNSHIP 24S RANGE 37E

15. Production (Show whether DF, RT, GR, etc.)

12. County

3303 G.L.

Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK   
TEMPORARILY ABANDON   
PULL OR ALTER CASING   
OTHER   
PLUG AND ABANDON   
CHANGE PLANS

REMEDIAL WORK   
COMMENCE DRILLING OPNS.   
CASING TEST AND CEMENT JOB   
OTHER   
ALTERING CASING   
PLUG AND ABANDONMENT

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

Drilled well to a total depth of 3450'. Ran 86 joints (3456.81') of 7" OD, 23 lb/ft, J-55, ST&C casing and landed bottom of casing at 3450' RKB. Cemented casing with 350 sx of Class C cement containing 3% Econolite and 1/4 lb/sx Floseal, followed by 150 sx of a 50-50 blend of API Class C cement and Pozmix A containing 9 lb/sx salt and 1/4 lb/sx Floseal. Circulated 40 sx of excess cement to pit. Pressure tested casing to 1500 psi. Pressure held okay.

JUN 11 1982

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

SIGNED Michelle Nambue TITLE Administrative Assistant DATE 6-8-82  
APPROVED BY JERRY SEXTON DISTRICT SUPERVISOR TITLE \_\_\_\_\_ DATE JUN 10 1982

CONDITIONS OF APPROVAL, IF ANY:

1982

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

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

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

Operator **Doyle Hartman**

Address **500 North Main Midland, Texas 79702**

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

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

**DESCRIPTION OF WELL AND LEASE**

Lease Name <b>Toby</b>	Well No. <b>3</b>	Pool Name, including Formation <b>Jalmat (Yates-Seven Rivers)</b>	Kind of Lease State, Federal or Fee <b>Fee</b>	Lease No.
Location				
Unit Letter <b>L</b>	<b>1780</b>	Feet From The <b>South</b>	Line and <b>1100</b>	Feet From The <b>West</b>
Line of Section <b>7</b>	Township <b>24S</b>	Range <b>37E</b>	<b>NMFM,</b>	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)			
<b>El Paso Natural Gas Company</b>	<b>P. O. Box 1384 Jal, New Mexico 88252</b>			
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.
Is gas actually connected?	When			
<b>no</b>	<b>June 15, 1982</b>			

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

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Restv.	Diff. Rec.
		<b>X</b>	<b>X</b>					
Date Spudded <b>5-28-82</b>	Date Compl. Ready to Prod. <b>6-12-82</b>	Total Depth <b>3450</b>		P.B.T.D. <b>3386</b>				
Elevations (DF, RKB, RT, GR, etc.) <b>3303 GL</b>	Name of Producing Formation <b>Yates-Seven Rivers</b>	Top Oil/Gas Pay <b>2897</b>		Tubing Depth <b>3262</b>				
Perforations <b>2897-3177 w/21 shots (Yates-Seven Rivers)</b>						Depth Casing Shoe <b>3450</b>		

**TUBING, CASING, AND CEMENTING RECORD**

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<b>12 1/4</b>	<b>9 5/8" 36 lb/ft</b>	<b>430</b>	<b>250 (circ)</b>
<b>8 3/4</b>	<b>7" 23 lb/ft</b>	<b>3450</b>	<b>500 (circ)</b>

**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)**

Data Files New Oil Run To Tanks	Date of Test	Producing Method (Pump, 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 <b>194</b>	Length of Test <b>24 hours</b>	Bbls. Condensate/MMCF <b>----</b>	Gravity of Condensate <b>----</b>
Testing Method (pilot, back pr.) <b>Orifice tester</b>	Tubing Pressure (Shut-in) <b>----</b>	Casing Pressure (Shut-in) <b>(SICP= 196) PCP= 192</b>	Choke Size <b>14/64"</b>

**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.

*Doyle Hartman*  
 (Signature)  
**Engineer**  
 (Title)  
**June 14, 1982**  
 (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 all wells on new and recompleted wells.  
 Fill out only Sections I, II, III, and VI for changes of well name or number, or transporter, or other such change of conditions.  
 Separate Form C-104 must be filed for each pool in multi-completed wells.

NO. OF COPIES RECEIVED \_\_\_\_\_  
 DISTRIBUTION \_\_\_\_\_  
 STATE \_\_\_\_\_  
 FIELD \_\_\_\_\_  
 U.S.G.S. \_\_\_\_\_  
 LAND OFFICE \_\_\_\_\_  
 OPERATOR \_\_\_\_\_

NEW MEXICO OIL CONSERVATION COMMISSION  
 WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form O-107  
 Revised 11-78

6a. Indicate Type of Lease  
 State  Fee  XX  
 7. State Oil & Gas Lease No. \_\_\_\_\_  
 7. Unit Agreement Name \_\_\_\_\_  
 8. Form or Lease Name  
 Toby  
 9. Well No.  
 3  
 10. Production Pool, if Willard  
 Jalmat (Gas)

1. TYPE OF WELL  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
 2. TYPE OF COMPLETION  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESERV.  OTHER \_\_\_\_\_

2. Name of Operator  
 Doyle Hartman  
 3. Address, Telephone  
 P. O. Box 10426 Midland, Texas 79702  
 4. Location of Well

UNIT LETTER L LOCATED 1780 FEET FROM THE South 1100 FEET FROM \_\_\_\_\_  
 TWP. West LINE OF SEC. 7 TWP. 24S R. 37E COUNTY Lea

15. Date Started 5-28-82 16. Date Last Brought In 6-4-82 17. Date Compl. (Ready to Prod.) \_\_\_\_\_  
 18. Log Name (DF, RKB, RT, GR, etc.) 3313 RKB 19. Flow Number 3303  
 20. Well Depth 3450 21. Depth to T.D. 3386 22. Quantity of Compl. Flow \_\_\_\_\_  
 23. Interval to be Drilled by \_\_\_\_\_ 24. Interval to be Drilled by \_\_\_\_\_

24. Producing Interval(s), of this completion - Top, Bottom, Name  
2897-3177 w/21 (Yates-Seven Rivers)  
 25. Was Directional Survey Made yes  
 26. Type of Lease and Other Leases  
CDL-DSN-GR and Guard Forxo 27. Was Well Cased no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	36	430	12 1/4	250 sx (circ)	none
7	23	3450	8 3/4	500 sx (circ)	none

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8		none

31. Production Record (Interval, size and number)  
21 holes with one shot each at:  
2897, 2907, 2913, 2920, 2933, 2940, 2951,  
2957, 2962, 2977, 2983, 2988, 3005, 3011,  
3087, 3092, 3101, 3114, 3167, 3171, 3177.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
 DEPTH INTERVAL 2897-3177 AMOUNT AND KIND MATERIAL USED  
A/5600 15% MCA  
SWF/92,000 + 214,500

33. PRODUCTION  
 Date of Production 6-10-82 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping Well Status (Prod. or Shut-in) shut-in  
 Date of Test 6-12-82 Hours Tested 24 Check Valve 14/64 Fr. Pn. Per Test Period --- Oil - Prod. --- Gas - MCF 194 Water - P.L. --- Gas-Oil Ratio ---  
 Flow Tubing Press. --- Casing Pressure PCP= 192 Production Date --- Oil - P.L. --- Gas - MCF 194 Water - P.L. --- Oil Gravity - API (Corr.) ---

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented Test Witnessed By Harold Swain

35. List of Attachments \_\_\_\_\_  
JUN 1 8 1982

36. I 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. Newman TITLE Engineer DATE June 14, 1982

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 electrical and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 29 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 _____ 1175	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 1275	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____ 2730	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2889	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 3118	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 Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from..... 2897 .....	to..... 3177 .....	No. 4, from..... .....	to..... .....
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
1175	1275	100	Anhydrite				
1275	2730	1455	Anhydrite and Salt				
2730	2889	159	Dolomite and Anhydrite				
2889	3118	229	Sandstone and Dolomite				
3118	3455	337	Sandstone and Dolomite				

Offset Jalmat (Gas) Operators  
Toby Lease  
N/2 SW/4 Section 7, T-24-S, R-37-E  
Lea County, New Mexico

<u>Operator</u>	<u>Date of Notification</u>	<u>Date of Receipt</u>	<u>Date of Waiver</u>
Amoco Production Company	March 31, 1982	April 5, 1982	---
Getty Oil Company	March 31, 1982	April 2, 1982	April 2, 1982
Arco Oil and Gas Company	March 31, 1982	Unknown	Undated, but received by this office April 2, 1982.
Conoco, Inc.	March 31, 1982	Unknown	April 19, 1982

**DOYLE HARTMAN**

*Oil Operator*

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

March 31, 1982

Offset Jalmat (Gas) Operators  
Toby Lease  
N/2 SW/4 Section 7, T-24-S, R-37-E  
Lea County, New Mexico

Gentlemen:

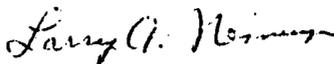
Please find enclosed a copy of our request to the New Mexico Oil Conservation Division for permission to dedicate the previously existing Toby No. 2 and the newly proposed Toby No. 3 to the non-standard proration unit consisting of N/2 SW/4 Section 7, T-24-S, R-37-E, Lea County, New Mexico. Our request also includes a request to drill the new well at an unorthodox location consisting of 1780 FSL & 1100 FWL Section 7, due to existing pipelines and surface equipment.

A third reason for our application is to inform the Division of our intention to request approval for the Toby No. 3 as a Section 103 infill well under the Natural Gas Policy Act of 1978 in the event it is completed as a commercial producer.

If you, as an offset operator, have no objection to our above stated requests, we respectfully request that you sign one copy of this letter and return it to this office in the enclosed stamped, self-addressed envelope. Your cooperation in this matter will be very much appreciated.

Very truly yours,

DOYLE HARTMAN



Larry Nermyr  
Engineer

Approved this 2nd day of April, 1982.

Amoco Production Company

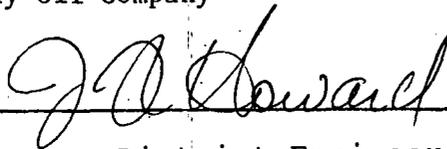
Arco Oil and Gas Company

TITLE \_\_\_\_\_

TITLE \_\_\_\_\_

Getty Oil Company

Conoco, Inc.



TITLE District Engineer

TITLE \_\_\_\_\_

APR 6 1982

**DOYLE HARTMAN**

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

March 31, 1982

Offset Jalmat (Gas) Operators  
Toby Lease  
N/2 SW/4 Section 7, T-24-S, R-37-E  
Lea County, New Mexico

Gentlemen:

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Very truly yours,

DOYLE HARTMAN

*Larry G. Nermyr*

Larry Nermyr  
Engineer

Approved this \_\_\_\_\_ day of April, 1982.

Amoco Production Company

Arco Oil and Gas Company

TITLE \_\_\_\_\_

TITLE B. R. Stokely

Getty Oil Company

Conoco, Inc.

TITLE \_\_\_\_\_

TITLE \_\_\_\_\_

APR 2 1982



Mark K. Mosley  
Division Manager  
Production Department  
Hobbs Division  
North American Production

Conoco Inc.  
P.O. Box 460  
726 E. Michigan  
Hobbs, NM 88240  
(505) 393-4141

April 19, 1982

Doyle Hartman  
500 N. Main  
P. O. Box 10426  
Midland, Texas 79702

Attention Larry Nermyr

Gentlemen:

Toby Lease, N/2 SW/4 Section 7, Township 24 South, Range 37 East,  
Lea County, New Mexico

Conoco Inc. has approved your letter ballot for your proposed Toby No. 3 and one copy is returned herewith.

Yours very truly,

M. K. Mosley  
Division Manager

HAI:mhe

Enclosure

APR 22 1982

**DOYLE HARTMAN**

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

March 31, 1982

Offset Jalmat (Gas) Operators  
Toby Lease  
N/2 SW/4 Section 7, T-24-S, R-37-E  
Lea County, New Mexico

Gentlemen:

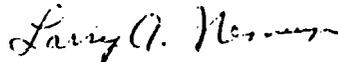
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Very truly yours,

DOYLE HARTMAN



Larry Nermyr  
Engineer

Approved this \_\_\_\_\_ day of April, 1982.

Amoco Production Company

Arco Oil and Gas Company

\_\_\_\_\_  
TITLE \_\_\_\_\_

\_\_\_\_\_  
TITLE \_\_\_\_\_

Getty Oil Company

Conoco, Inc.



\_\_\_\_\_  
TITLE \_\_\_\_\_

\_\_\_\_\_  
TITLE Division Manager

1982  
Toby Lease

PS Form 3811, Jan. 1979

**SENDER:** Complete items 1, 2, and 3.  
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one)  
 Show to whom and date delivered..... 60¢  
 Show to whom, date and address of delivery..... ¢  
 RESTRICTED DELIVERY  
 Show to whom and date delivered..... ¢  
 RESTRICTED DELIVERY.  
 Show to whom, date, and address of delivery. \$ \_\_\_\_\_

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:  
 Getty Oil Company  
 P. O. Box 1231  
 Midland, Texas 79702

3. ARTICLE DESCRIPTION:  

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	1964433	

 (Always obtain signature of addressee or agent)

I have received the article described above.  
 SIGNATURE  Addressee  Authorized agent

4. DATE OF DELIVERY *APR 2 1982* POSTMARK *APR 2 1982*

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: *USPO* CLERK'S INITIALS *TDJ*

PS Form 3800, Apr. 1976

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

P11 1964433

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL. (See Reverse)

SENT TO  
 Getty Oil Company  
 STREET AND NO.  
 P. O. Box 1231  
 MIDLAND, TEXAS 79702

POSTAGE .54

CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	75
	SPECIAL DELIVERY RESTRICTED DELIVERY	
OPTIONAL SERVICES	RETURN RECEIPT SERVICE	60
	SHOW TO WHOM AND DATE DELIVERED	
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY	
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	

TOTAL POSTAGE AND FEES \$1.89

POSTMARK OR DATE  
 3-31-82

Toby Lease

PS Form 3800, Apr. 1976

P11 1964433

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL. (See Reverse)

PS Form 3811, Jan. 1979

**SENDER:** Complete items 1, 2, and 3.  
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one)  
 Show to whom and date delivered..... 60¢  
 Show to whom, date and address of delivery..... ¢  
 RESTRICTED DELIVERY  
 Show to whom and date delivered..... ¢  
 RESTRICTED DELIVERY.  
 Show to whom, date, and address of delivery. \$ \_\_\_\_\_

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:  
 Amoco Production Company  
 P. O. Box 3092  
 Houston, Texas 77001

3. ARTICLE DESCRIPTION:  

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	1964434	

 (Always obtain signature of addressee or agent)

I have received the article described above.  
 SIGNATURE  Addressee  Authorized agent

4. DATE OF DELIVERY *APR 5 1982* POSTMARK *APR 5 1982*

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: *USPO* CLERK'S INITIALS *USPO*

PS Form 3800, Apr. 1976

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

PS Form 3800, Apr. 1976

SENT TO  
 Amoco Production Company  
 P. O. Box 3092  
 Houston, Texas 77001

POSTAGE .54

CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	75
	SPECIAL DELIVERY RESTRICTED DELIVERY	
OPTIONAL SERVICES	RETURN RECEIPT SERVICE	60
	SHOW TO WHOM AND DATE DELIVERED	
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY	
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	

TOTAL POSTAGE AND FEES \$1.29

POSTMARK OR DATE  
 3-31-82

Toby Lease

PS Form 3800, Apr. 1976

Toby Lease



BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 521  
Order No. R-356

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION UPON ITS OWN MOTION FOR AN  
ORDER ESTABLISHING MEANS AND METHODS  
FOR THE PRORATION OF NATURAL GAS IN LEA,  
EDDY, CHAVES AND ROOSEVELT COUNTIES,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a. m., on March 17, 1953, April 16, 1953, May 19, 1953, June 16, 1953, July 16, 1953, and August 20, 1953, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 28th day of September, 1953, the Commission, a quorum being present, having considered the testimony adduced and the exhibits received in the hearings, and being fully advised in the premises,

FINDS:

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

(2) That for the prevention of waste and protection of correlative rights proper special Rules and Regulations relating to the proration of gas-well gas produced in the gas pools of Lea, Eddy, Chaves and Roosevelt Counties, New Mexico, should be promulgated.

IT IS THEREFORE ORDERED:

SECTION A. That the following rules pertaining to gas well spacing in defined gas pools and acreage requirements for drilling tracts within the defined limits of gas pools in Eddy, Lea, Chaves and Roosevelt Counties, be and the same hereby are adopted effective immediately.

I. WELL SPACING; ACREAGE REQUIREMENTS FOR DRILLING TRACTS.

RULE 1. The Secretary of the Commission shall have authority to grant an exception to the requirements of Statewide Rule 104, Sections (a), (b), (c), and (d),

without notice and hearing where application has been filed in due form, and,

(a) When the necessity for the unorthodox location is based on topographical conditions, or is occasioned by the recompletion of a well previously drilled to another horizon, and

(b) When either one of the following is applicable:

1. When the ownership of all oil and gas leases within a radius of 1320 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location.

2. When all owners of oil and gas leases within such radius consent in writing to the proposed location.

(The above provisions of Rule 1 supersede Rule 104 (f).)

**RULE 2.** The provisions of Statewide Rule 104 Paragraph (k), shall not apply to gas pools located in Lea, Eddy, Chaves and Roosevelt Counties, New Mexico.

**SECTION .** That the following rules shall apply to defined gas pools in Eddy, Lea, Chaves and Roosevelt Counties only after hearings are held and an order issued on each individual pool. These rules shall be considered as "standby rules" and shall be used as a guide in establishing pool rules.

## II. GAS PRORATION.

**RULE 3.** At such time as the Commission determines that allocation of gas production from gas wells producing from any pool in this four-county area is necessary to prevent waste or to protect correlative rights, the Commission, after notice and hearing, shall consider the nominations of gas purchasers from such gas pool and other relevant data, and shall fix the allowable production of such pool, and shall allocate production among the gas wells in such pool upon a reasonable basis with due regard to correlative rights. Unless special pool rules are adopted as provided in Rule 4 below, the general provisions of this rule shall apply to each gas pool allocated under this rule.

**RULE 4.** After notice and hearing, the Commission, in order to protect correlative rights, or prevent waste, or both, may promulgate special rules, regulations or orders pertaining to any gas pool.

(The above provisions of Rules 3 and 4 supersede Statewide Rule 602)

## III. PRORATION UNITS.

**RULE 5.** For the purpose of gas allocation in the absence of special pool rules a standard proration unit shall consist of between 158 and 162 contiguous surface acres

substantially in the form of a square which shall be a legal subdivision (quarter section) of the U. S. Public Land Surveys; provided, however, that a gas proration unit other than a legal quarter section may be formed after notice and hearing by the Commission, or after the Commission has been furnished waivers from all offsetting operators, if all acreage is contiguous and does not contain more than four legal quarter-quarter sections and/or lots. Any allocation unit containing less than 158 acres or more than 162 acres shall be a non-standard unit and its allowable shall be decreased or increased to that proportion of the standard unit allowable that the number of acres contained therein bears to 160 acres. Any standard proration unit consisting of between 158 and 162 contiguous surface acres shall be considered as containing 160 acres for the purpose of gas allocation.

#### IV. GAS ALLOCATION:

RULE 6. At least 30 days prior to the beginning of each gas proration period the Commission shall hold a hearing after due notice has been given. The Commission shall cause to be submitted by each gas purchaser its "Preliminary Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration period, by months, from each gas pool from which it purchases gas. The Commission shall consider the "Preliminary Nominations" of purchasers, actual production, and such other factors as may be deemed applicable in determining the amount of gas that may be produced without waste within the ensuing proration period. "Preliminary Nominations" shall be submitted on a form prescribed by the Commission.

RULE 7. Each month, the Commission shall cause to be submitted by each gas purchaser its "Supplemental Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration month from each gas pool from which it purchases gas. The Commission shall hold a public hearing between the 15th and 20th days of each month to determine the reasonable market demand for gas for the ensuing proration month, and shall issue a proration schedule setting out the amount of gas which each well may produce during the ensuing proration month. Included in the monthly proration schedule shall be a tabulation of allowable and production for the second preceding month together with an adjusted allowable computation for the second preceding month. Said adjusted allowable shall be computed by comparing the actual allowable assigned with the actual production. In the event the allowable assigned is greater than the actual production, the allowables assigned the top allowable units shall be reduced proportionately, and in the event the allowable assigned is less than the production then the allowables assigned the top allowable units shall be increased proportionately. "Supplemental Nominations" shall be submitted on a form prescribed by the Commission.

The Commission shall include in the proration schedule the gas wells in the pool delivering to a gas transportation facility, or lease gathering system, and shall include in the proration schedule of such pool any well which it finds is being unreasonably discriminated against through denial of access to a gas transportation facility, which is reasonably capable of handling the type of gas produced by such well.

The total allowable to be allocated to the pool each month shall be equal to the sum of the supplemental nominations together with any adjustment which the Commission deems advisable.

**RULE 8.** The allocation to a pool remaining after subtracting the capacities of marginal units shall be divided and allocated ratably among the non-marginal units in the proportion that the acreage contained in each unit bears to the total acreage allotted to such non-marginal units; provided that for this purpose standard units shall be as defined in Rule 5 above. More than one proration unit or fractional parts thereof may be assigned to a gas well and the allowables assigned said well may be increased proportionately, provided that:

a. No more than 640 acres shall be assigned to any one well.

b. All acreage in such units may reasonably be presumed to be productive of gas.

c. The multiple unit so formed shall not have an overall length or width exceeding 5,280 feet.

d. Where not more than two proration units are assigned to a well, the well shall not be located closer than 660 feet to the longest boundary of the pooled units nor less than 1320 feet from the shortest boundary of the pooled units. Where three or more units are pooled the well shall not be located closer than 1320 feet to the outer boundary of the pooled unit.

e. Exceptions to the provisions of this rule may be granted by the Commission after notice and hearing or after the Commission has been furnished waivers by all offsetting operators.

(The above provisions of Rules 6, 7 and 8 supersede Statewide Rule 602)

## V. BALANCING OF PRODUCTION.

**RULE 9.** Underproduction: The dates 7:00 A. M. January 1 and 7:00 A. M. July 1 shall be known as balancing dates and the periods of time bounded by these dates shall be known as gas proration periods. The amount of current gas allowable remaining unproduced at the end of each proration period shall be carried forward to and may be produced during the next succeeding proration period in addition to the normal gas allowable for such succeeding period; but whatever amount thereof is not made up within the first succeeding proration period shall be cancelled. If, at the end of the first succeeding proration period, a greater amount of allowable remains unproduced than was carried forward as underproduction, the amount carried forward to the second succeeding period shall be the total underproduction less the amount carried forward to the first succeeding period.

If it appears that such continued underproduction has resulted from inability of the well to produce its allowable, it may be classified as a marginal well and its allowable reduced to the well's ability to produce.

**RULE 10. Overproduction:** A well which has produced a greater amount of gas than was allowed during a given proration period shall have its allowable for the first succeeding proration period reduced by the amount of such overproduction and such overproduction shall be made up within the first succeeding proration period. If, at the end of the first succeeding proration period, the well is still overproduced, it shall be shut in and its current monthly allowable charged against said overproduction until the well is in balance. If, at any time, a well is overproduced an amount equaling six times its current monthly allowable, it shall be shut in until it is in balance.

The Commission may allow overproduction to be made up at a lesser rate than would be the case if the well were completely shut in upon a showing at public hearing after due notice that complete shut in of the well would result in material damage to the well.

(The above provisions of Rules 9 and 10 supersede Statewide Rule 604)

## VI. GRANTING OF ALLOWABLES.

**RULE 11.** No gas well shall be given an allowable until Form C-104 and Form C-110 have been filed together with a plat showing acreage attributed to said well and the locations of all wells on the lease.

**RULE 12.** Allowables to newly completed gas wells shall commence on the date of connection to a gas transportation facility or the date of filing of Form C-104 and Form C-110 and the plat described above, whichever date is the later.

## VII. REPORTING OF PRODUCTION.

**RULE 13.** The monthly gas production from each gas well shall be metered separately and the gas production therefrom shall be submitted to the Commission so as to reach the Commission on or before the twentieth day of the month next succeeding the month in which the gas was produced. The operator shall show on such report what disposition has been made of the gas produced. The full production of gas from each well shall be charged against the well's allowable regardless of what disposition has been made of the gas; provided, however, that gas used on the lease for consumption in lease houses, treaters, combustion engines and other similar lease equipment shall not be charged against the well's allowable.

## VIII. DEFINITIONS.

**RULE 14.** A gas well shall mean a well producing gas or natural gas from a common source of gas supply from a gas pool determined by the Commission.

Case No. 521  
Order No. R-356

(The above Rule supersedes Statewide Definition A-24)

**RULE 15.** The term "gas purchaser" as used in these rules, shall mean any "taker" of gas either at the wellhead or at any point on the lease where connection is made for gas transportation or utilization. It shall be the responsibility of said "taker" to submit a nomination.

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

**STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION**

**EDWIN L. MECHEM, Chairman**

**E. S. WALKER, Member**

**R. R. SPURRIER, Secretary**

**S E A L**

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF THE STATE OF NEW  
MEXICO FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 583  
Order No. R-369

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION ON ITS OWN MOTION FOR AN ORDER  
ESTABLISHING POOL RULES FOR THE LANGMAT  
GAS POOL, LEA COUNTY, NEW MEXICO, SAID  
RULES BEING CONCERNED WITH WELL SPACING,  
GAS PRORATION AND ALLOCATION, PRORATION  
UNITS, POOL DELINEATION AND OTHER RELATED  
MATTERS INsofar AS THEY PERTAIN TO THE  
GENERAL RULES FOR GAS PRORATION AS SET  
FORTH IN ORDER NO. R-356 IN CASE 521.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on for hearing at 9 o'clock a. m. on September 17, 1953, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

Now, on this 28th day of September, 1953, the Commission, a quorum being present, having considered the statements of interested persons, and the official records of the office and other pertinent data, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given, the Commission has jurisdiction of this cause.
- (2) That production records of gas wells producing within the Langmat Gas Pool as heretofore designated, classified and defined, indicate the necessity for proration of gas-well gas for the prevention of waste and the protection of correlative rights.
- (3) That Order No. 356, heretofore issued by the Commission, and containing appropriate general rules relative to gas-well spacing, gas proration and gas allocation, appearing to be satisfactorily applicable to the Langmat Gas Pool, should be considered as the special rules and regulations for said pool pending further order of the Commission

IT IS THEREFORE ORDERED:

That the rules and regulations relating to gas-well spacing, gas proration and gas allocation, as set out in Order R-356, be, and the same hereby are made the

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Case No. 583  
Order No. R-369

special rules and regulations of the Langmat Gas Pool pending further order of the Commission after notice and hearing.

IT IS FURTHER ORDERED:

That all parties interested in said Langmat Pool and the rules therefor be, and they and each of them are hereby ordered to show cause at 9 o'clock a. m. on October 27, 1953, at Santa Fe, New Mexico, why the rules and regulations referred to hereinabove, with any essential amendments, shall not be put into effect as of November 1, 1953.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

R. R. SPURRIER, Member & Secretary

S E A L

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 583  
ORDER NO. R-369-A

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION ON ITS OWN MOTION FOR ALL  
OPERATORS AND INTERESTED PARTIES IN  
THE LANGMAT GAS POOL TO SHOW CAUSE WHY  
THE RULES AND REGULATIONS AS SET OUT IN  
ORDER R-356, WITH ANY ESSENTIAL AMEND-  
MENTS, SHOULD NOT BE PUT INTO EFFECT.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on for hearing at 9 o'clock a.m., on October 27, 1953, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 10th day of November, 1953, the Commission, a quorum being present, having considered the testimony adduced, the exhibits received, the statements of interested parties, the official records of this Commission and other pertinent data, and being fully advised in the premises.

FINDS:

- (1) That due public notice having been given, the Commission has jurisdiction of this cause.
- (2) That the Commission, for the purpose of preventing waste and drainage and for the protection of correlative rights, entered Order R-356, establishing certain general or "stand-by" rules and regulations relating to the proration of gas well gas proration units, well spacing, and other related matters in the gas pools of Eddy, Lea, Chaves and Roosevelt Counties, New Mexico, applicable in all cases only after special rules for each gas pool shall have been promulgated.
- (3) That thereafter, after due notice and hearing, Order R-369 was duly entered by the Commission. Order R-369 adopted the general or "Stand-by" rules promulgated by Order R-356 as the Special Rules and Regulations of the Langmat Gas Pool, heretofore established. R-369 was entered pending a further order in the premises, said order to be entered only after all interested parties were afforded the opportunity to be heard in the matter.
- (4) That as a result of such hearing and in consideration of the testimony adduced Special Pool rules should be promulgated for the Langmat Gas Pool, heretofore established, described and classified as a gas pool. That the Special pool rules should approximate the general rules and regulations promulgated by Order R-356 insofar as the same are applicable to the Langmat Gas Pool, and should conform, generally with the provisional special rules of Order R-369.

Case No. 583  
Order No. R-369-A

(5) That in order for the Commission to evaluate and delineate the actual productive limits of the Langmat Gas Pool all operators of oil and gas wells within the defined limits of the Langmat Gas Pool should supply certain Geological and Reservoir data to the Commission.

(6) That pending further study and orders, the allocation of gas in the Langmat Gas Pool should be calculated on the basis of 100 per cent acreage, based upon the standard 160 acre proration unit, which unit is limited to a regular quarter section subdivision of the U. S. Public Land Surveys and consisting of not less than 158 nor more than 162 acres, substantially in the form of a square, with provision for deviation therefrom particularly in cases of wells heretofore completed where the impracticability of unitization is apparent.

(7) That an adequate gas well testing procedure should be adopted as soon as possible so that operators, purchasers and the Commission can determine the fairness and feasibility of an allocation factor for the pool which employs the factors of deliverability, pressure, or any other factor relating to gas well productivity.

IT IS THEREFORE ORDERED:

That Special Pool Rules applicable to the Langmat Gas Pool, be and the same hereby are promulgated and are as follows:

SPECIAL RULES AND REGULATIONS  
FOR THE LANGMAT GAS POOL  
LEA COUNTY, NEW MEXICO

WELL SPACING AND ACREAGE REQUIREMENTS FOR DRILLING TRACTS.

Rule 1. Any well drilled a distance of one mile or more from the outer boundary of the Langmat Gas Pool shall be classified as a wildcat well. Any well drilled less than one mile from the outer boundary of the Langmat Gas Pool shall be spaced, drilled, operated and prorated in accordance with the Regulations in effect in the Langmat Gas Pool.

Rule 2. Each well drilled or recompleted within the Langmat Gas Pool shall be located on a tract consisting of not less than a quarter section of approximately 160 surface contiguous acres substantially in the form of a square which shall be a legal subdivision (quarter section) of the U. S. Public Land Surveys.

RULE 3. Each well drilled within the Langmat Gas Pool shall not be drilled closer than 660 feet to any outer boundary line of the tract nor closer than 330 feet to a quarter-quarter section or subdivision inner boundary nor closer than 1320 feet to a well drilling to or capable of producing from the same pool.

RULE 4. The Secretary of the Commission shall have authority to grant exception to the requirements of Rule 3 without Notice and Hearing where application has been filed in due form and the necessity for the unorthodox location is based on topographical conditions or is occasioned by the recompletion of a well previously drilled to another horizon.

Applicants shall furnish all operators within a 1320 foot radius of the subject well a copy of the application to the Commission, and applicant shall include with his application a written stipulation that all operators within such radius have been properly notified. The Secretary of the Commission shall wait at least 10 days before approving any such unorthodox location, and shall approve such unorthodox location only in the absence of objection of any offset operators. In the event an operator objects to the

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unorthodox location the Commission shall consider the matter only after proper notice and hearing.

RULE 5. The provision of Statewide Rule 104 Paragraph (k), shall not apply to the Langmat Gas Pool located in Lea County, New Mexico.

#### GAS PRORATION

RULE 6. The Commission after notice and hearing, shall consider the nominations of gas purchasers from the Langmat Gas Pool and other relevant data and shall fix the allowable production of the Langmat Gas Pool, and shall allocate production among the gas wells in the Langmat Gas Pool upon a reasonable basis with due regard to correlative rights.

#### PRORATION UNITS

RULE 7. (a) For the purpose of gas allocation in the Langmat Gas Pool, a standard proration unit shall consist of between 158 and 162 contiguous surface acres substantially in the form of a square which shall be a legal subdivision (quarter section) of the U. S. Public Land Surveys; provided, however, that a gas proration unit other than a legal quarter section may be formed after notice and hearing by the Commission, or as outlined in Paragraph (b). Any allocation unit containing less than 158 acres or more than 162 acres shall be a non-standard unit and its allowable shall be decreased or increased to that proportion of the standard unit allowable that the number of acres contained therein bears to 160 acres. Any standard proration unit consisting of between 158 and 162 contiguous surface acres shall be considered as containing 160 acres for the purpose of gas allocation.

(b) The Secretary of the Commission shall have authority to grant an exception to Rule 7 (a) without Notice and Hearing where application has been filed in due form and where the following facts exist and the following provisions are complied with;

1. The non-standard unit consists of less acreage than a standard proration unit.
2. The acreage assigned to the non-standard unit lies wholly within a legal quarter section and contains a well capable of producing gas into a gas transportation facility on the date of this order.
3. The operator receives written consent in the form of waivers from all operators in the adjoining 160 acre proration units.

#### GAS ALLOCATION

RULE 8. At least 30 days prior to the beginning of each gas proration period the Commission shall hold a hearing after due notice has been given. The Commission shall cause to be submitted by each gas purchaser its "Preliminary Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration period, by months, from the Langmat Gas Pool. The Commission shall consider the "Preliminary Nominations" of purchasers, actual production, and such other factors as may be deemed applicable in determining the amount of gas that may be produced without waste within the ensuing proration period. "Preliminary Nominations" shall be submitted on a form prescribed by the Commission.

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**RULE 9.** Each month, the Commission shall cause to be submitted by each gas purchaser its "Supplemental Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration month from the Langmat Gas Pool. The Commission shall hold a public hearing between the 15th and 20th days of each month to determine the reasonable market demand for gas for the ensuing proration month, and shall issue a proration schedule setting out the amount of gas which each well may produce during the ensuing proration month. Included in the monthly proration schedule shall be a tabulation of allowable and production for the second preceding month together with an adjusted allowable computation for the second preceding month. Said adjusted allowable shall be computed by comparing the actual allowable assigned with the actual production. In the event the allowable assigned is greater than the actual production, the allowables assigned the top allowable units shall be reduced proportionately, and in the event the allowable assigned is less than the production then the allowables assigned the top allowable units shall be increased proportionately. "Supplemental Nominations" shall be submitted on a form prescribed by the Commission.

The Commission shall include in the proration schedule the gas wells in the Langmat Gas Pool delivering to a gas transportation facility, or lease gathering system, and shall include in the proration schedule of the Langmat Gas Pool any well which it finds is being unreasonably discriminated against through denial of access to a gas transportation facility, which is reasonably capable of handling the type of gas produced by such well. The total allowable to be allocated to the pool each month shall be equal to the sum of the supplemental nominations together with any adjustment which the Commission deems advisable. The allocation to a pool remaining after subtracting the capacities of marginal units shall be divided and allocated ratably among the non-marginal units in the proportion that the acreage contained in each unit bears to the total acreage allotted to such non-marginal units.

#### BALANCING OF PRODUCTION

**RULE 10. Underproduction:** The dates 7:00 A.M., January 1 and 7:00 A.M., July 1, shall be known as balancing dates and the periods of time bounded by these dates shall be known as gas proration periods. The amount of current gas allowable remaining unproduced at the end of each proration period shall be carried forward to be produced during the next succeeding proration period in addition to the normal gas allowable for such succeeding period; but whatever amount thereof is not made up within the first succeeding proration period shall be cancelled. If, at the end of the first succeeding proration period, a greater amount of allowable remains unproduced than was carried forward as underproduction, the amount carried forward to the second succeeding period shall be the total underproduction less the amount carried forward to the first succeeding period.

If it appears that such continued underproduction has resulted from inability of the well to produce its allowable, it may be classified as a marginal well and its allowable reduced to the well's ability to produce.

**RULE 11. Overproduction:** A well which has produced a greater amount of gas than was allowed during a given proration period shall have its allowable for the first succeeding proration period reduced by the amount of such overproduction and such overproduction shall be made up within the first succeeding proration period. If, at the end of the first succeeding proration period, the well is still overproduced, it shall be shut in and its current monthly allowable charged against said overproduction until the well is in balance. If, at any time, a well is overproduced an amount equaling six times its current monthly allowable, it shall be shut in until it is in balance.

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Order No. R-369-A

The Commission may allow overproduction to be made up at a lesser rate than would be the case if the well were completely shut in upon a showing at public hearing after due notice that complete shut in of the well would result in material damage to the well.

#### GRANTING OF ALLOWABLES

**RULE 12.** No gas well shall be given an allowable until Form C-104 and Form C-110 have been filed together with a plat showing acreage attributed to said well and the locations of all wells on the lease.

**RULE 13.** Allowables to newly completed gas wells shall commence on the date of connection to a gas transportation facility, as determined from an affidavit furnished to the Commission (Box 2045, Hobbs, New Mexico) by the purchaser, or the date of filing of Form C-104 and Form C-110 and the plat described above, whichever date is the later.

#### REPORTING OF PRODUCTION

**RULE 14.** The monthly gas production from each gas well shall be metered separately and the gas production therefrom shall be submitted to the Commission on Form C-115 so as to reach the Commission on or before the twentieth day of the month next succeeding the month in which the gas was produced. The operator shall show on such report what disposition has been made of the gas produced. The full production of gas from each well shall be charged against the well's allowable regardless of what disposition has been made of the gas; provided, however that gas used on the lease for consumption in lease houses, treaters, combustion engines and other similar lease equipment shall not be charged against the well's allowable.

#### DEFINITIONS

**RULE 15.** A gas well shall mean a well producing gas or natural gas from a common source of gas supply from a gas pool determined by the Commission.

**RULE 16.** The term "gas Purchaser" as used in these rules, shall mean any "taker" of gas either at the wellhead or at any point on the lease where connection is made for gas transportation or utilization. It shall be the responsibility of said "taker" to submit a nomination.

**PROVIDED FURTHER** that those wells located within the defined limits of the Langmat Gas Pool which produce oil and receive an oil allowable on the oil proration schedule shall be prorated as oil wells pending further study and that "preliminary" and "supplemental" nominations, as outlined in Rules 8 and 9 above, shall pertain only to gas wells which are not assigned an oil allowable.

**PROVIDED FURTHER** that all operators of oil or gas wells shall submit to the Hobbs office of the Commission (Box 2045) on or before January 1, 1954 a copy of either an electric log or sample log of each well (if available), whether oil or gas, that they operate within the defined limits of the Langmat Gas Pool. Attached to each log shall be a detailed report showing well elevation, total depth, plug back depth, depth of production string, interval of perforations and open hole and estimation of formation tops of Yates, Seven Rivers and Queen as indicated by the log. Any operator of any well hereafter completed or recompleted within the defined limits of the Langmat Gas Pool shall also submit to the Hobbs office of the Commission, the logs and information detailed above, within 30 days following such completion or recompletion.

In the event that the Commission deems it advisable to obtain additional information from wells producing outside the defined limits of the Langmat Gas Pool the Secretary of the Commission is hereby authorized to issue a directive to operators in order to obtain the desired information.

PROVIDED FURTHER that as soon as possible a testing procedure for all gas wells shall be adopted by the Commission. Said procedure shall contain adequate tests in order to determine the feasibility of employing any well potential, deliverability or pressure factors in allocating gas.

PROVIDED FURTHER that those operators who desire approval of the Commission of gas-oil dual completions under the provisions of Statewide Rule 112-A should also comply with the provisions of Rules 2, 3 and 4 of this order before approval will be granted.

PROVIDED FURTHER that in order to inaugurate gas prorationing and allocation in the Langmat Gas Pool on January 1, 1954 the Commission shall consider the nominations of purchasers for the proration period beginning January 1, 1954 at the regular hearing of the Commission on November 19, 1953 and shall require each purchaser of gas from the Langmat Gas Pool to submit with each "supplemental" nomination a list of the wells and their location from which gas is to be purchased commencing January 1, 1954. In this instance the list of wells shall pertain solely to those wells which are gas wells and are not on the oil proration schedule.

PROVIDED FURTHER that in the event an operator has a producing well on acreage which does not conform to the provisions of Rule 2 or Rule 7 and an exception to Rule 7 is to be requested of this Commission, the necessary information requested under Rule 12 should be complied with pending Commission action. In this instance the Proration Manager is directed to assign to the well only that acreage attributable to the well lying within the quarter section upon which the well is located. In the event the unorthodox unit is approved after notice and hearing and an increase in total acreage is permitted then the total allowable assigned the well shall be adjusted and made retroactive to the 1st day of the proration period or the 1st day the well produced into a gas transportation facility if the well was not productive prior to January 1, 1954.

PROVIDED FURTHER that copies of Form C-115, Monthly Production Report, submitted in compliance with Rule 14 shall be distributed by the operator as follows: Original to Oil Conservation Commission, Box 871, Santa Fe; two copies to Oil Conservation Commission, Box 2045, Hobbs, New Mexico.

IT IS FURTHER ORDERED that nothing in this Order, or Order No. R-369, heretofore issued by the Commission, shall be construed as re-classifying any well now prorated on the oil proration schedule as a gas well, and any such reclassification hereafter made shall only be made after due notice and hearing.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

R. R. SPURRIER, Member & Secretary

S E A L

NEW MEXICO  
OIL CONSERVATION COMMISSION

RECEIVED  
JAN 7 1954  
OIL CONSERVATION COMMISSION  
HOBBS OFFICE

*date*  
*in Langbe Mattix*  
King, Warren & Dye  
Operator  
Toby  
Lease

Date January 5, 1954

Well No.

Name of Producing Formation Yates Pool Langbe Mattix

No. Acres Dedicated to the Well 80

*Langbe Mattix*

SECTION 7 TOWNSHIP 24 S RANGE 37 E

	0		

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

Name *John Thoresen*  
Position Production Supt.  
Representing King, Warren & Dye  
Address Box 1505, Midland, Texas

SEP 22 1982  
OIL CONSERVATION COMMISSION  
SANTA FE

(over)

**DUPLICATE**

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

**RECEIVED**  
JAN 7 1954  
New Well  
Recompletion  
OIL CONSERVATION COMMISSION  
HOURS OFFICE

REQUEST FOR (OIL) - (GAS) ALLOWABLE

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

Midland, Texas  
(Place)

January 5, 1954  
(Date)

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

King, Warren & Dye

(Company or Operator)

*Toby*

Well No. 2, in NE 1/4 SW 1/4,

K, Sec. 7

T. 24 S, R. 37 E

(Lease)

NMPM., Langlie-Mattix

Pool

*Langlie-Mattix*

(Unit)

Lea

County. Date Spudded 6-29-47

Date Completed 7-26-47

Please indicate location:

	X		

Elevation 3323 Total Depth 3570 P.B.

Top ~~oil~~ gas pay 2872 Top of Prod. Form 2872

Casing Perforations: or

Depth to Casing shoe of Prod. String 2789

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 8 million cu. ft./day

Size choke in inches 1"

Date first oil run to tanks or gas to Transmission system:

Transporter taking Oil or Gas: El Paso Natural

Casing and Cementing Record

Size Feet Sax

13-3/8	150	200
8-5/8	2789	700
5-1/2	3423	250

Remarks: New proration rules

SEP 22 1982

OIL CONSERVATION COMMISSION  
SANTA FE

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

Approved: JAN 8 1954, 19

(Company or Operator)

OIL CONSERVATION COMMISSION

By: King, Warren & Dye

(Signature)

By: *A. G. Stanley*

Title: Production Supt.

Send Communications regarding well to:

Title: Engineer District

Name: John Thomas

Address: Box 1505, Midland, Texas

TRIPPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

RECEIVED  
JAN 7 1954  
OIL CONSERVATION COMMISSION  
HOBBS-OFFICE  
(Form C-110)  
Revised 7/1/52

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable well. Submit this form in QUADRUPPLICATE.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator King, Warren & Dye Lease Toby

Address Box 1505, Midland, Texas Midland, Texas  
(Local or Field Office) (Principal Place of Business)

Unit K, Well(s) No. 2, Sec. 7, T. 24 S, R. 37 E, Pool Langlie-Battix

County Lea Kind of Lease: Private Land

If Oil well Location of Tanks.....

Authorized Transporter El Paso Natural Gas Address of Transporter  
(Local or Field Office) (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported 100% Other Transporters authorized to transport Oil or Natural Gas from this unit are.....

Humble Pipe Line Company Oil 100%

REASON FOR FILING: (Please check proper box)

NEW WELL  CHANGE IN OWNERSHIP   
CHANGE IN TRANSPORTER  OTHER (Explain under Remarks)

REMARKS: New Proration rules

SEP 22 1982  
OIL CONSERVATION COMMISSION  
SANTA FE

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 5th day of January 19 54

Approved JAN 8 1954, 19.....

King, Warren & Dye

OIL CONSERVATION COMMISSION  
By L. G. Stanley  
Title Engineer District 1

By [Signature]  
Title Production Supt.



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

August 2, 1982

William P. Aycock & Associates, Inc.  
308 Wall Towers West  
Midland, Texas 79701

ATTN: William P. Aycock

Re: Application for NGPA Infill Well  
Findings Under Provisions of  
Order No. R-6013-A Doyle Hart

man's Toby Well No. 3, Section 7,

T-24S, R-37-E, Lea County, NM

Dear Mr. Aycock:

We may not process the subject application for infill findings until the required information, forms, or plats checked on the reverse side of this letter are submitted.

Sincerely,

Michael E. Stogner,  
Petroleum Engineer

MES/dp

- A copy of Form C-101 must be submitted.
- A copy of Form C-102 must be submitted.
- The pool name must be shown.
- The standard spacing unit size for the pool must be shown.
- Give the Division Order No. which granted the non-standard proration unit. NSL-1516 does not authorize for non-standard proration units.
- Please state whether or not the well has been spudded and give the spud date, if any.
- Information relative to other wells on the proration unit is incomplete.

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- The geologic and reservoir data is incomplete or insufficient.

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- Other:

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STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

LARRY KEHOE  
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Sincerely,

Michael E. Stogner,  
Petroleum Engineer

MES/dp

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- Other:

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STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
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Michael E. Stogner,  
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MES/dp

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- Other:

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**DOYLE HARTMAN**

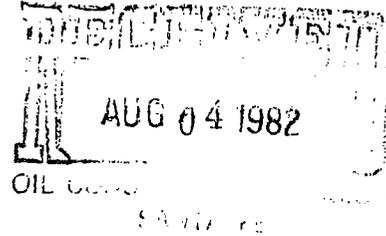
*Oil Operator*

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011



August 2, 1982

Mr. Mike Stogner  
New Mexico Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: Toby #3  
Infill Filing  
Lea County, New Mexico

Dear Mr. Stogner:

Mr. William F. Carr, our attorney in Santa Fe, has advised that you have informed him that you are not able to locate the Administrative Order which approved the Toby #3. In order to finalize the paper work for the Infill Filing on this well, I am enclosing for your purposes another copy of Administrative Order No. NSL-1516 dated April 30, 1982, which was approved by Joe D. Ramey.

If need any further information please advise.

Very truly yours,

DOYLE HARTMAN

*Becky Eichinger*  
Becky Eichinger,  
Administrative Assistant

/be

Enclosure

cc: Mr. William F. Carr  
Post Office Box 2208  
Santa Fe, New Mexico 87501

*NSL-1516  
does not authorize a non-standard  
provision unit, please provide me  
with the order authorizing this  
80 acre non-standard provision  
unit.*

*Michael E. Stogner  
September 14, 1982*



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

April 30, 1982

BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

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

Attention: Larry A. Nermyr

Administrative Order NSL-1516

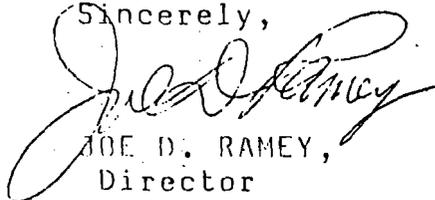
Gentlemen:

Reference is made to your application for approval of a non-standard location for your Toby Well No. 3 to be located 1780 feet from the South line and 1100 feet from the West line of Section 7, Township 24 South, Range 37 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Also, you are hereby authorized to simultaneously dedicate a previously approved 80-acre proration unit comprising the N/2 SW/4 of said Section 7 to your Toby Well No. 2 in Unit K and the above-described Toby Well No. 3. Further, you are hereby permitted to produce the allowable from any of the wells on the proration unit in any proportion.

By authority granted me under the provisions of Rule 3 of Order No. R-1670, the above-described unorthodox location is hereby approved.

Sincerely,



JOE D. RAMEY,  
Director

JDR/RLS/dr

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

MAY 6 1982