

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTINFILL 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. Langlie "A" Well No. 3
Location: Unit I Sec. 36 Twp. 24S Rng. 36E 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 Jalmat Oil & Gas Pool, and the standard spacing unit in said pool is 640 acres.
- (4) That a 80-acre proration unit comprising the SE/4 NE/4 and NW/4 SE/4 of Sec. 36, Twp. 24S, Rng. 36E, is currently dedicated to the Doyle Hartman Langlie "A" State Well No. 2 located in Unit H of said section.
- (5) That this proration unit is () standard (X) nonstandard; if nonstandard, said unit was previously approved by Order No. NSP-525.
- (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 74,000 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 4th day of February, 19 83.

DIVISION DIRECTOR EXAMINER

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Received: Jan. 17, 1983
Suspense Date: Feb. 7, 1983
ADMINISTRATIVE ORDER
NFL 68

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

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- (3) That the well for which a finding is sought is completed in the Jalmat Oil & Gas Pool, and the standard spacing unit in said pool is 640 acres.
- (4) That a 80-acre proration unit comprising the SE 1/4 NE 1/4 and NW 1/4 SE 1/4 of Sec. 36, Twp. 24S, Rng. 36E, is currently dedicated to the Doyle Hartman Langlie "A" State Well No. 2 located in Unit H of said section.
- (5) That this proration unit is () standard (X) nonstandard; if nonstandard, said unit was previously approved by Order No. NSP-525.
- (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 74,000 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:

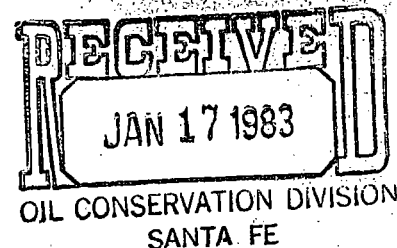
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- (2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Done at Santa Fe, New Mexico, on this 4th day of February, 19 83.

DIVISION DIRECTOR _____ EXAMINER _____

State of New Mexico
January 18, 1983
Dear Sir:

DOYEE HARTMAN
Oil Operator
500 N. MAIN
P. O. BOX 10426
MIDLAND, TEXAS 79702
(915) 684-4011



January 14, 1983

1. Lease, well and well location;
2. Well name;
3. Completion date;
4. Description of any mechanical problems experienced

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

Attention: Mr. R. L. Stamets

Re: Administrative Procedure

Rule 2 Letter from Hartman to the State of New Mexico, dated January 14, 1983, regarding the infill finding for the Langlie "A" No. 3 well located at 1980' FSL & 330' FEL, Section 36, T-24-S, R-36-E, Lea County, New Mexico.

Rule 3 a. Production history and b. The volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined.

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 Langlie "A" No. 3 located 1980' FSL and 330' FEL, Section 36, T-24-S, R-36-E, Lea County, New Mexico.

4. C-104 and C-105 (including Inclination) With regard to our request, and in accordance with Order R-6013-A, we submit the following:

Rule 5 a. Short Ticket well log Summary for Langlie "A" No. 3 (Infill Jalmat Pool). A copy of approved Form C-101 for the infill well and Form C-102 showing the production unit dedicated to the well are enclosed. (Infill Jalmat Pool, production unit).

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

Rule 7 The number of the Administrative Order approving the non-standard proration unit and unorthodox location dedicated to the well is NSL-1628.

Rule 8 Table 1 attached to William P. Aycock's letter dated July 19, 1982 shows the following:

ENCLOSURE

1/20

ADMINISTRATIVE ASSISTANT
DECKY EICHENBERG

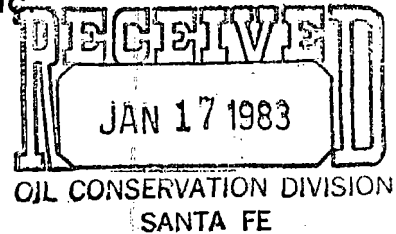
DOATE HANDEL
DECKY EICHENBERG

will find pursuant to order K-0013-Y.
We respectfully request that the Commission grant our request for an

Page 3
JANUARY 14, 1983
STATE OF NEW MEXICO

WILLIAM P. AYCOCK & ASSOCIATES, INC.

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



December 29, 1982

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

Attention: Mr. Mike Stogner

Subject: Administrative Application for Infill Well Findings
for Doyle Hartman's Langlie "A" No. 3 Well,
Section 36, Township 24 South, Range 36 East,
1980' FSL and 330' FEL, Jalmat (Gas) 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 constitute the requirements of the said Order:

- Rule 5: Attached are copies of the Forms C-101 and C-102.
- Rule 6: The name of the pool in which the infill well has been drilled is the Jalmat Pool, and the standard spacing therefor is 640 acres.
- Rule 7: The non-standard proration unit and unorthodox well location were approved administratively by Order No. NSL-1628, a copy of which is attached hereto.
- Rule 8: See attached Table No. 1, "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A" for requirements of Sections "a." through "f.". Also required by Section "g." is "a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Jalmat (Gas) Pool well to which the present 80-acre non-standard proration unit was assigned was the Doyle Hartman Langlie "A" State No. 2; this well produced 415 MCF in October 1982, with an accumulative gas production

of 681.8 MMCF. The estimated ultimate gas recovery for the Doyle Hartman Langlie "A" State 2 is 692.8 MMCF as of October 1, 1982, resulting in an estimated future gas recovery for this pre-existing well of 11.0 MMCF. The estimated future life is about twenty-four months. Accordingly, any producible gas reserves that remain beneath the subject lease would have been substantially not recoverable from the subject property without the drilling of the infill application well.

Rule 9:

Section a. Requires that a formation structure map be submitted; attached is a Yates formation structure map of the immediate area containing the subject lease.

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 Langlie "A" No. 3 is 74 MMCF. Since the gas to be recovered from the Doyle Hartman Langlie "A" State No. 2 is estimated to be 11 MMCF, the increased ultimate recovery is 63 MMCF. The estimate of increased recovery for the Doyle Hartman Langlie "A" No. 3 was accomplished as follows:

(1) Well logs for the Doyle Hartman Langlie "A" No. 3 were analyzed, resulting in the following:

Mean Porosity, Fraction of Bulk Volume	0.180
Mean Connate Water Saturation, Fraction of Net Effective Pore Volume	0.27
Net Effective Pay Thickness, Feet	34.

Since the gross pay thickness constituting potential gas reservoir for the langlie "A" No. 3 is 63 feet, the above represents a net effective pay thickness to gross pay thickness ratio of 54 percent.

(2) The production test for the Doyle Hartman Langlie No. 3 performed on December 27, 1982, was analyzed, resulting in the following:

Stabilized Deliverability Coefficient, MCF/day per psia ² ,	0.010720
Initial Stabilized Wellhead Shut-in Pressure (Pc), psia	128.2
Initial Gas Formation Volume Factor scf/rcf	8.71

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

Original Gas-in-Place

MMCF/Acre	1.696
MMCF/80 Acres	135.7
Estimated Gas Recovery Factor, Fraction of Original Gas-in-Place	0.545
Estimated Ultimate Recovery, MMCF per 80 Acres	74.0

Section c. Other supporting data submitted include the following:

Well Log/Completion Summary for the pre-existing Doyle
Hartman Langlie State "A" No. 2.

Gas Production History Tabulation and Graph for Doyle Hartman
Langlie State "A" No. 2 (the pre-existing well).

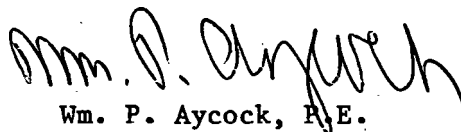
Complete New Mexico Oil Conservation Division (NMOCD) Forms
on file for both the pre-existing Doyle Hartman Langlie State
"A" No. 2 and the Infill Hartman Langlie "A" No. 3.

New Mexico Oil Conservation Division Order No. NSL-1628

New Mexico Department of Energy and Minerals,
Oil Conservation Division
P. O. Box 2088
Page 4

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

Very truly yours,


Wm. P. Aycock, P.E.

WPA/pkm

Enclosures

TABLE NO. 1

SUMMARY OF REQUIRED INFORMATION, RULE 8, EXHIBIT "A", ORDER R-6013-A,
(Sections "a." through "f.")
NATURAL GAS POLICY ACT INFILL FINDINGS, ADMINISTRATIVE PROCEDURE

<u>SECTION OF RULE 8</u>	<u>RULE 8 REQUIREMENT</u>	<u>PRE-EXISTING WELL DOYLE HARTMAN, OPERATOR*</u>	<u>INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR</u>
a.	Lease Name and Well Location	Langlie "A" State No. 2	Langlie "A" No. 3 330' FEL & 1980' FSL
b.	Spud Date	January 3, 1949	December 8, 1982
c.	Completion Date	February 14, 1961 in Jalmat Pool	December 27, 1982
d.	Mechanical Problems	Originally Completed in Langlie Mattix February 6, 1949; Langlie Mattix abandoned February, 1961 due to "fish" with top at 3281'.	None
e.	Current Rate of Production	13.4 MCF/day in October, 1982	C-105: 132 MCF/day
f.	Date of Plug and Abandonment	Not Plugged	Not Plugged

*Drilled by Shell Oil Company; Operator changed to Petroleum Corporation of Texas June 1, 1970; Doyle Hartman became Operator November 2, 1982.

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease

STATE ☒ FEDERAL ☐

5. State Oil & Gas Lease No.

B-1167

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒

DEEPEN ☐

b. Type of Well

OIL WELL ☒

GAS WELL ☐

OTHER ☐

2. Name of Operator

Doyle Hartman

3. Address of Operator

Post Office Box 10426, Midland, Texas 79702

4. Location of Well

UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE

AND 330 FEET FROM THE East LINE OF SEC. 36 TWP. 24S RGE. 36E NMPM

Unit Agreement Name

8. Farm or Lease Name

Langlie "A"

9. Well No.

3

10. Field and Pool, or Wildcat

Jalmat (Oil)

12. County

Lea

19. Proposed Depth

3400

19A. Formation

Yates-Seven Rivers Rotary

20. Rotary or C.T.

21. Elevations (Show whether DF, RT, etc.)

3254.3 GL

21A. Kind & Status Plug. Bond

Multi Well-Approved

21B. Drilling Contractor

Cactus

22. Approx. Date Work will start

December, 1982

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	9-5/8	36.0	400	300	Surface
8-3/4	7	23.0	3400	700	Surface

This proposed well will be drilled to a total depth of 3400 feet and will be evaluated for Jalmat (Yates-Seven Rivers) oil potential. In the event that the well is not completed as a Jalmat (Oil) producer, the well will be completed as a Jalmat Gas producer on a previously existing 80-acre Jalmat Gas proration unit consisting of NE/4 SE/4 and SE/4 NE/4 of Section 36. 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 been previously dedicated to El Paso Natural Gas Company.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 6/3/83
UNLESS DRILLING UNDERWAY

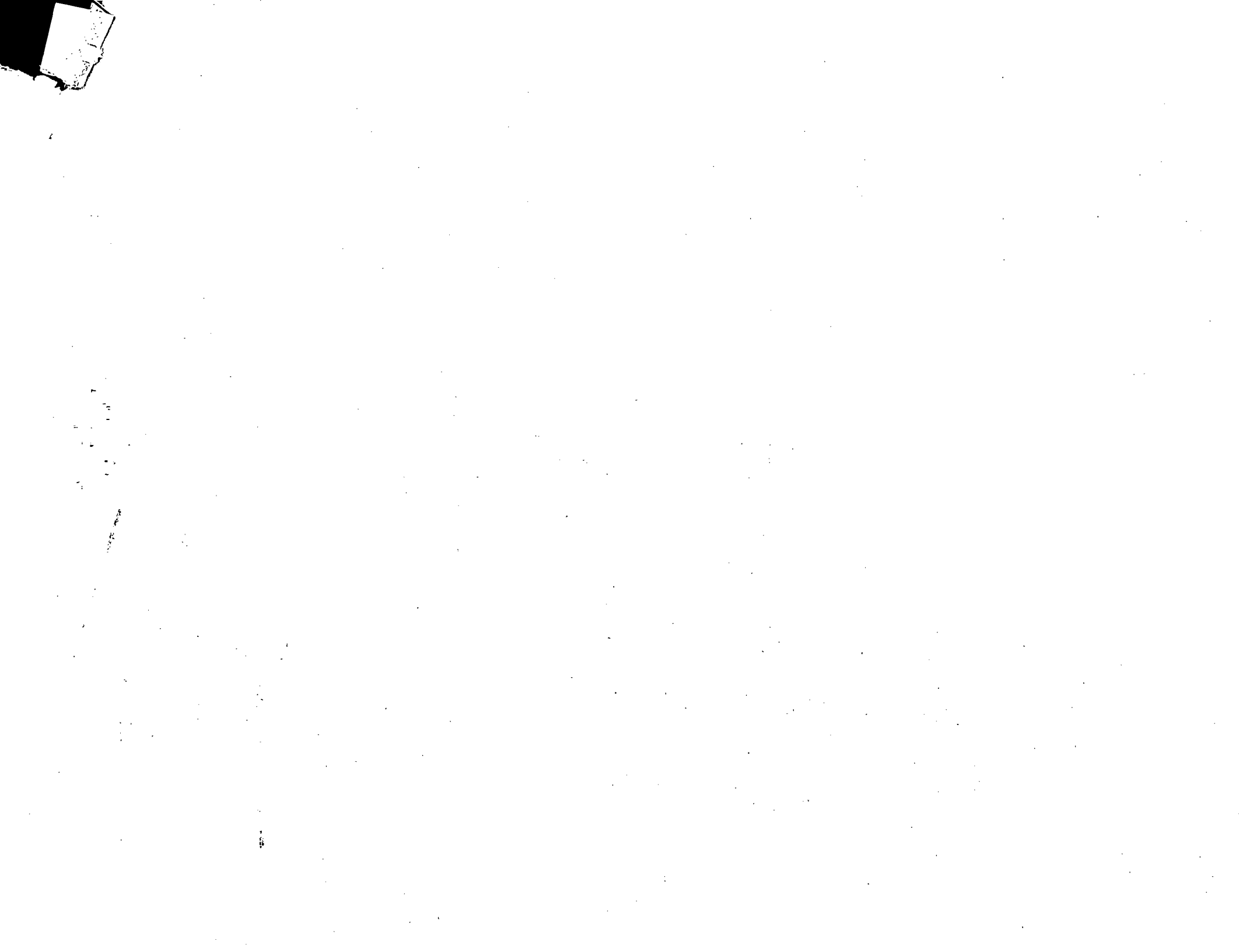
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Larry A. Nix Title Engineer Date November 24, 1982

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY TITLE JERRY SEXTON DATE DEC 3 1982
CONDITIONS OF APPROVAL DISTRICT 1 SUPR.



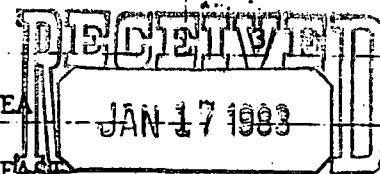
NEW MEXICO CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION AT

Form C-1
Supersedes C-22a
Effective 1-1-82

All dedications must be from the owner/landowner of the Section

DOYLE HARTMAN

LANGLIE "A"



I 36

24 SOUTH

36 EAST

LEA JAN 17 1983

1980

SOUTH

330

EAST
OIL CONSERVATION DIVISION
SANTA FE

3254.3

Yates-Seven Rivers

Jalmit (Oil)

Outline the acreage dedicated to the subject well by colored pencil or hatchure marks ~~on this 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 and/or 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)

A communitization or pooling is required for the well until all interests have been consolidated. (Use reverse side of this form if necessary) If pooling, it otherwise set on 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 G. N...

Engineer

Doyle Hartman

November 23, 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

November 16, 1982

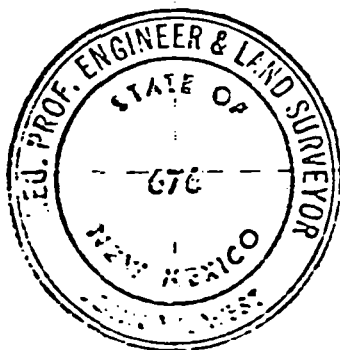
Registered Professional Engineer

No. 10,100

John W. West

Certificate No.

John W. West, N.M. #676





STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

December 6, 1982

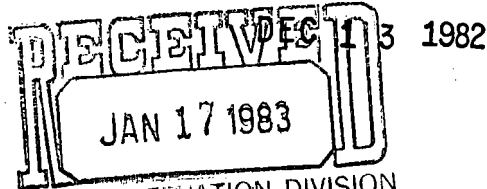
BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
SANTA FE
Administrative Order NSL-1628

Gentlemen:

Reference is made to your application for approval of a non-standard location for your Langlie "A" Well No. 3 located 1980 feet from the South line and 330 feet from the East line of Section 36, Township 24 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Also, you are hereby authorized to simultaneously dedicate an existing 80-acre proration unit comprising the NE/4 SE/4 and SE/4 NE/4 of said Section 36 to the above-described well and your Langlie "A" State Well No. 2 located in Unit H of said Section 36. Further, you are hereby permitted to produce the allowable from any of the wells on the proration unit in any proportion.

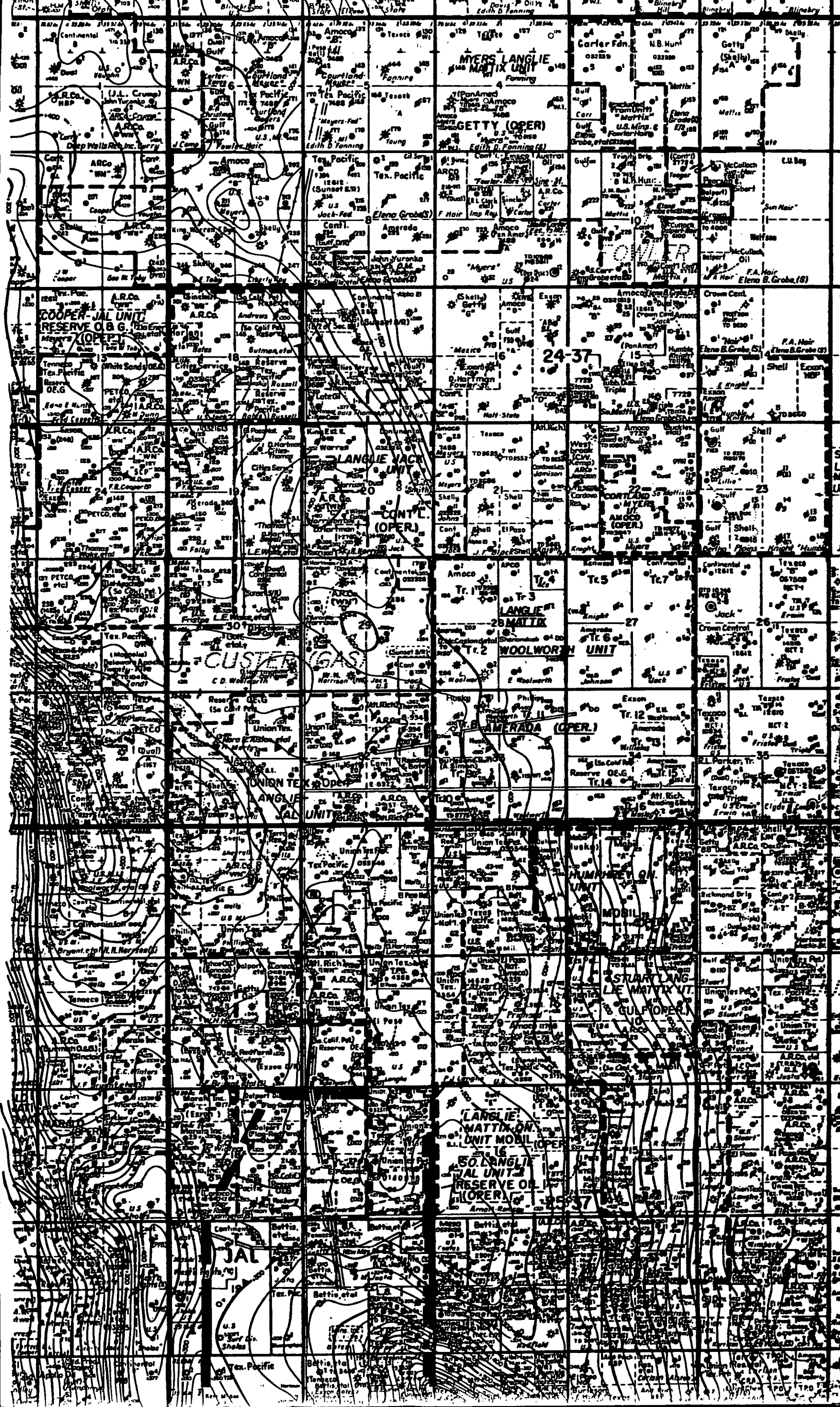
By authority granted me under the provisions of Rule 3 of Order No. R-1670, the above-described unorthodox location is hereby approved.

Sincerely,

JOE D. RAMEY,
Director

JDR/RLS/dr

cc: Oil Conservation Division - Hobbs
Oil & Gas Engineering Committee - Hobbs
Oil & Gas Division - State Land Office - Santa Fe



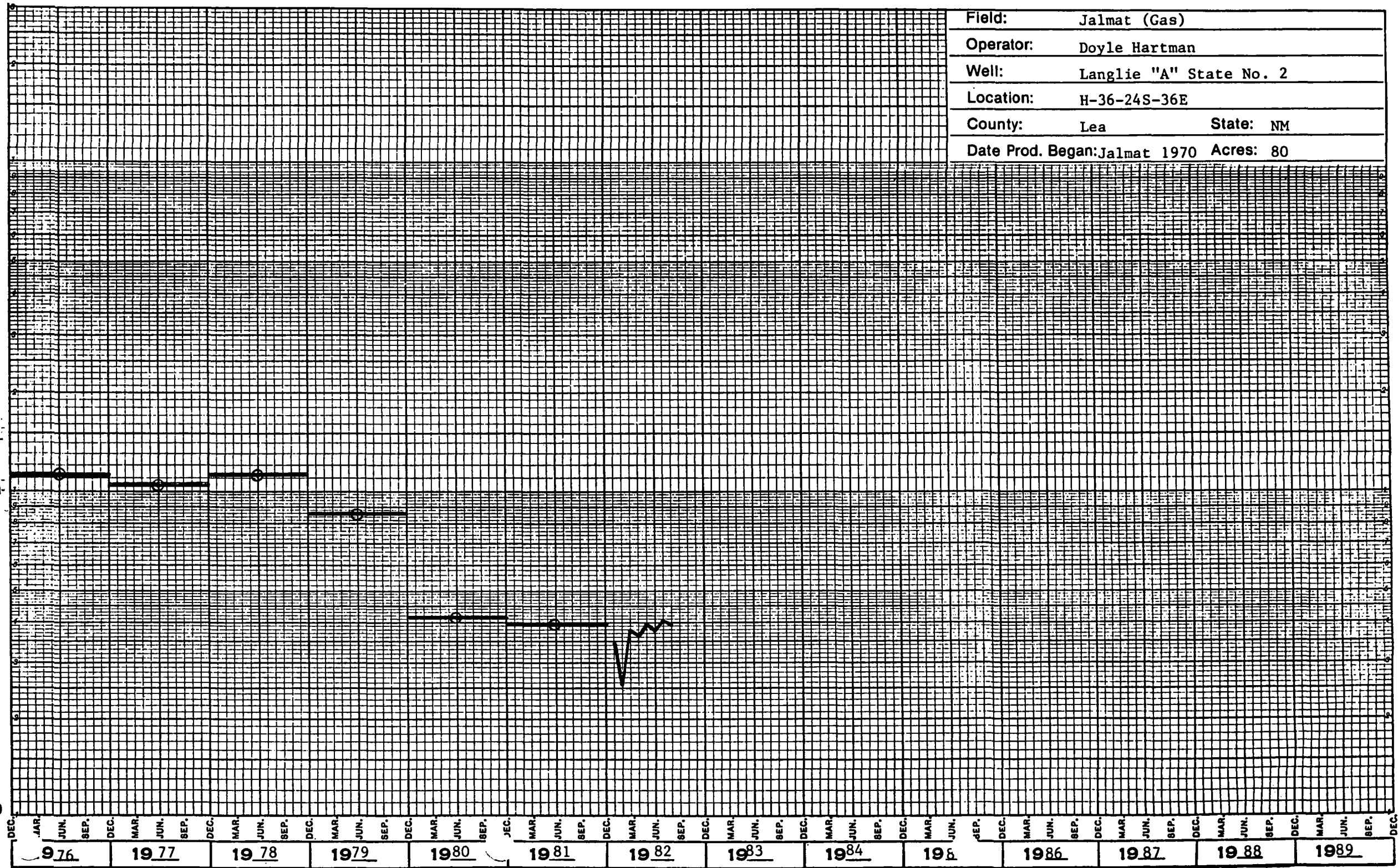
Cum:

Gas Production - CF/month

10000

1000

100

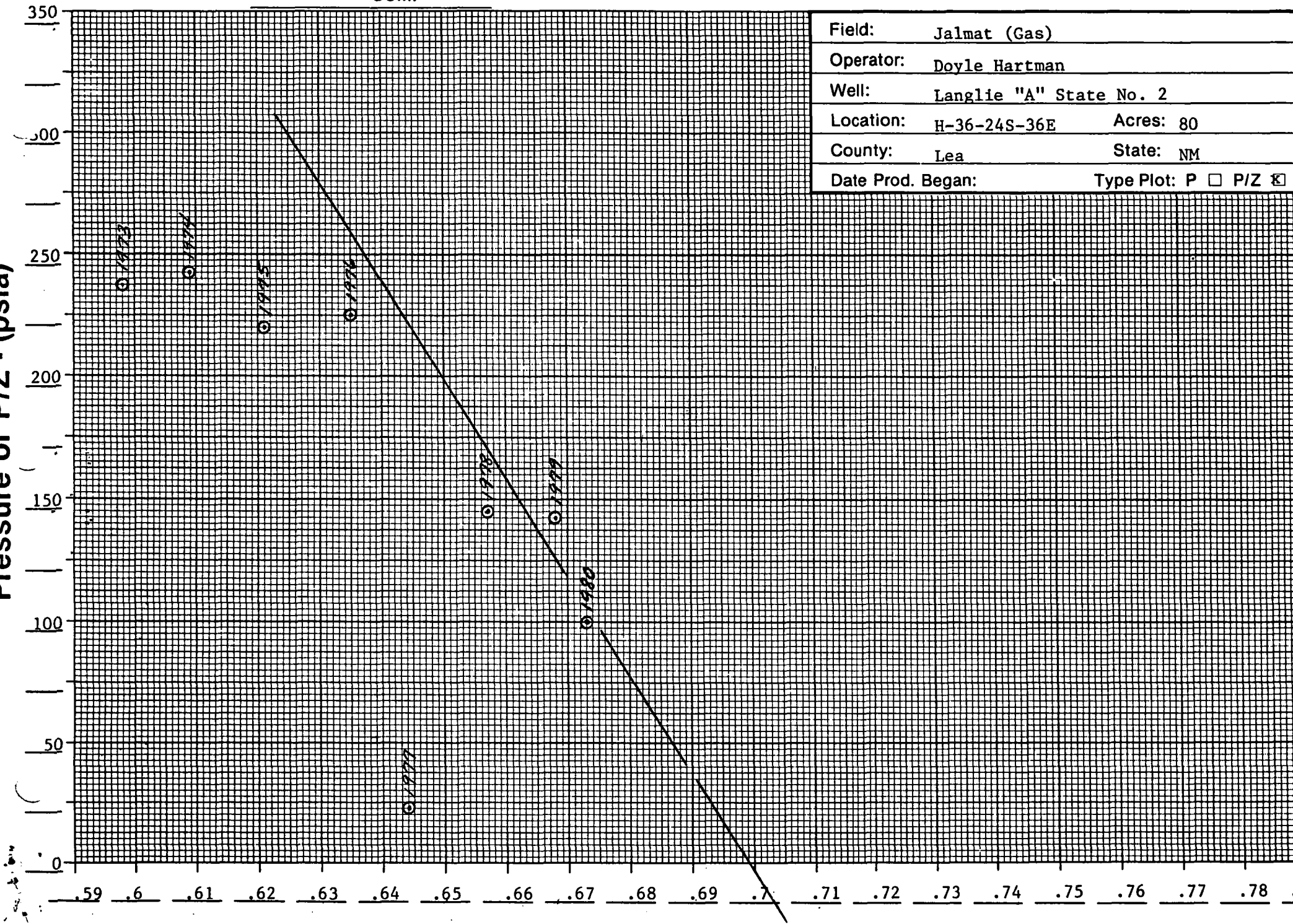


CUM:

Pressure or P/Z - (psia)

Cumulative Gas Production - (BCF)

Field:	Jalmat (Gas)		
Operator:	Doyle Hartman		
Well:	Langlie "A" State No. 2		
Location:	H-36-24S-36E	Acres:	80
County:	Lea	State:	NM
Date Prod. Began:	Type Plot: P <input type="checkbox"/> P/Z <input checked="" type="checkbox"/>		



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OPERATOR

Form O-105
Revised 10-88

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

sent 12/27/82

5a. Indicate Type of Lease
State ☒ Royalty ☐
5. State Oil & Gas Lease No.

1. TYPE OF WELL

2. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RECVR. ☐ OIL WELL ☐ GAS WELL ☐ DRY ☐

3. Name of Operator

Doyle Hartman

4. Address of Operator

P. O. Box 10426, Midland, Texas 79702

5. Location of Well

UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 330 FEET FROM

THE East LINE OF SEC. 36 TWP. 24S RGE. 36E

15. Date Spudded 12/8/82 16. Date T.D. Reached 12/15/82 17. Date Comp. (Ready to Prod.) 12/27/82 18. Elevations (DF, RKB, RT, GR, etc.) 3254.3 GL 19. Elev. Casinghead 3254

20. Total Depth 3367 21. Plug Back T.D. 3039 22. H Multiple Compl., How Many --- 23. Intervals Drilled By 0-3367 Rotary Tools --- Cable Tools ---

24. Producing Interval(s), of this completion - Top, Bottom, Name

2785-2877 w/20 (Yates)

25. Was Directional Survey Made yes

26. Type Electric and Other Logs Run

CDL-DSN-GR and Guard Forxo

27. Was Well Cored 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"	36.0	401	12 1/4"	250 sx (circ)	none
7"	23.0	3366	8 3/4"	675 sx (circ)	none

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	3007	---

30. Perforation Record (Interval, size and number)

20 holes with one shot each at: 2785, 2789, 2794, 2798, 2802, 2810, 2813, 2816, 2825, 2831, 2834, 2838, 2842, 2845, 2848, 2863, 2867, 2870, 2873, 2877

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2785-2877	A/ 5300 Gal. 15% MCA

32. PRODUCTION

Date First Production 12/24/82 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 6 SPM, 64" stroke, 1-1/4" pump Well Status (Prod. or Shut-in) Shut-in

Date of Test <u>12/26/82</u>	Hours Tested <u>24</u>	Choke Size <u>22/64</u>	Prod'n. For Test Period <u>---</u>	Oil - BBL. <u>---</u>	Gas - MCF <u>132</u>	Water - BBL. <u>6</u>	Gas - Oil Ratio <u>---</u>
Flow Tubing Press. <u>---</u>	Casing Pressure <u>FCP=51 psi.</u>	Calculated 24-Hour Rate <u>---</u>	Oil - BBL. <u>---</u>	Gas - MCF <u>132</u>	Water - BBL. <u>6</u>	Oil Gravity - API (Corr.) <u>---</u>	

4. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

Harold Swain

5. List of Attachments

6. 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 Levy C. J. [Signature] TITLE Engineer DATE 12/27/82

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all classified or radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured by tape. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 11b5.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____ 1110 _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 1212 _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____ 2630 _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2783 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 2992 _____	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 Qizte _____
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. Todillo _____	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 _____ 2785 _____ to _____ 2877 _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, 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)

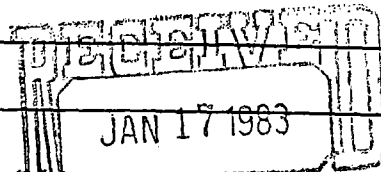
From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1110	1212	102	Anhydrite				
1212	2630	1418	Salt and Anhydrite				
2630	2783	153	Dolomite and Anhydrite				
2783	2992	209	Dolomite and Sandstone				
2992	3364	372	Dolomite and Sandstone				

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 1-1-83

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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

sent 12/27/82



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

Reason(s) for filing (Check proper box)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

Other (Please explain):
OIL CONSERVATION DIVISION
SANTA FE

If change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Langlie "A" State	3	Jalmat (Gas)	State, Federal or Fee State	B-1167
Location				
Unit Letter	I	: 1980 Feet From The	South Line and 330 Feet From The	East
Line of Section	36	Township	24S	Range
			36E	NMFM, 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)
El Paso Natural Gas Company				P. O. Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Page.
Is gas actually connected?				When
No				Jan. 1983

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.
		X	X					
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
12/8/82	12/27/82		3367		3039			
Elevations (DF, RAB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
3254.3 GL	Yates		2785		3007			
Perforations					Depth Casing Shoe			
2785 - 2877 (Yates)					3366			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4	9 5/8	401	250 sx (circ)
8 3/4	7	3366	675 sx (circ)

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
132	24 hours		
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size
Orifice Tester		FCP=51 psi (SOCP=115)	22/64

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.

Langlie Hartman
(Signature)

ENGINEER

DECEMBER 27, 1982
(Date)

OIL CONSERVATION COMMISSION

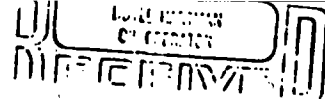
APPROVED _____, 15

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 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 conditions.
Separate Form C-104 must be filed for each pool in multi-pool completed wells.

INCLINATION REPORT

OPERATOR DOYLE HARTMANADDRESS P.O. BOX 10426, MIDLAND, TEXAS 79702LEASE NAME LANGLIE AWELL NO. 3 FIELD DEC 2 1 1982LOCATION LANGLIE A #3

DEPTH	ANGLE INCLINATION DEGREES	DISPLACEMENT	DISPLACEMENT ACCUMULATED
430	$\frac{1}{4}$	1.8920	1.8920
960	$\frac{3}{4}$	6.9430	8.8350
1556	$\frac{3}{4}$	7.8076	16.6426
2115	1 $\frac{3}{4}$	17.0495	33.6921
2617	2 $\frac{3}{4}$	24.0960	57.7881
2708	2 $\frac{3}{4}$	4.3680	62.1561
3000	2	10.1908	72.3469
3367	1 $\frac{1}{2}$	9.6154	81.9623

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COMPANYTITLE DEBBIE CLARK, OFFICE MANAGER

AFFIDAVIT:

Before me, the undersigned authority, appeared DEBBIE CLARK known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

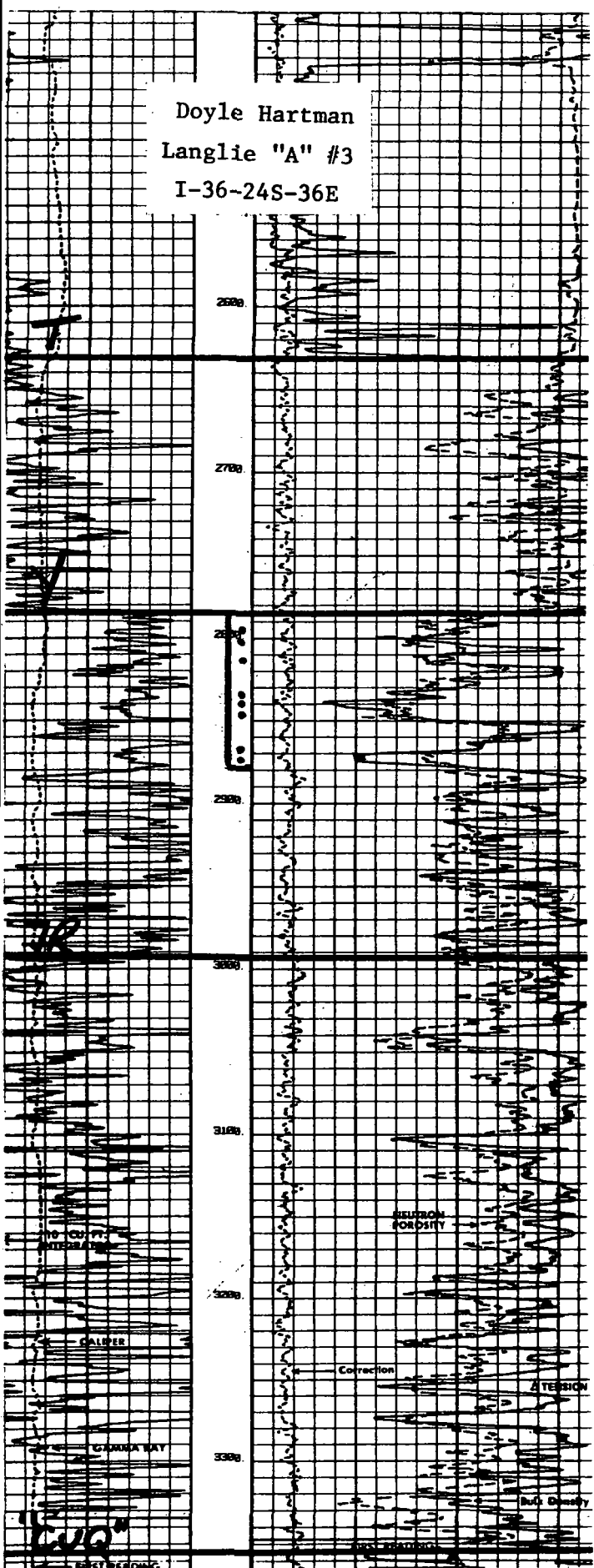
AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this the 20TH day of DECEMBER, 1982



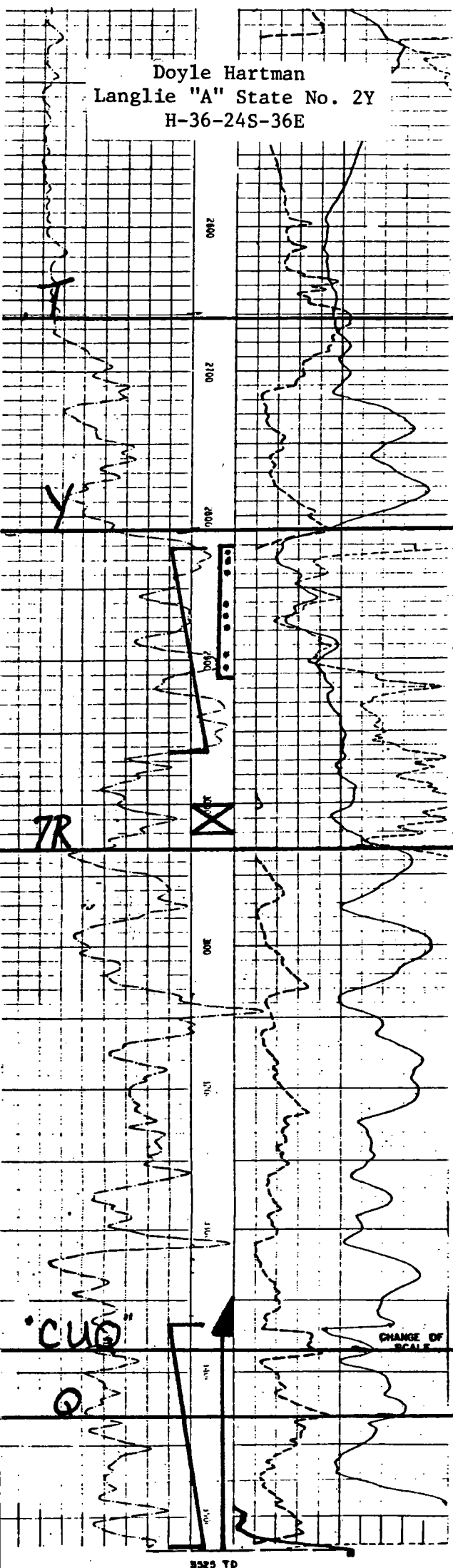
SEAL

Notary Public in and for the County
of Lea, State of New Mexico



COMPANY	Doyle Hartman		
WELL	Langlie "A" State No. 3		
FIELD	Jalmat (Gas)		
LOCATION	1980 FSL & 330 FEL (I)		
	Section 36, T-24-S, R-36-E		
COUNTY	Lea		
STATE	New Mexico		
ELEVATIONS:	KB	3264	
	DF		
	GL	3254	

COMPLETION RECORD			
SPUD DATE	12-18-82	COMP. DATE	12-27-82
TD	3367	PBTD	3039
CASING RECORD	9 5/8 @ 401 W/250		
	7 @ 3366 W/675		
PERFORATING RECORD	Perf: 2785-2877 W/20		
	(Yates)		
STIMULATION	A/5300		
IP	IPF=132 MCFPD		
GOR	GR		
TP	CP =51 (SICP=115)		
CHOKE	22/64	TUBING	2 3/8" @ 3007
DST RECORD	Pump arrangement: 6X64X1 1/4		
REMARKS			



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

DOYLE HARTMAN
REG. OPERATOR 4
SANTA FE

RECEIVED
JAN 17 1983

NOV 17 1982

Operator
DOYLE HARTMAN

Address
P.O. BOX 10426, MIDLAND, TEXAS 79702

OIL CONSERVATION DIVISION

Reason(s) for filing (Check proper box)

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

Other (Please Explain)

If change of ownership give name
and address of previous owner

Petroleum Corporation of Texas, P. O. Box 911, Breckenridge, Texas 76202

II. DESCRIPTION OF WELL AND LEASE

Lease Name Langlie "A" State	Well No. 2	Pool Name, including Formation Jalmit-Yates (Gas)	Kind of Lease State, Federal or Fee State	Lease No. B-1167
Location Unit Letter <u>H</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>735</u> Feet From The <u>East</u> Line of Section <u>36</u> Township <u>24S</u> Range <u>36E</u> NMPM, <u>Lea</u> County				

III. 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)
El Paso Natural Gas Company	Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When Yes 2-14-61

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

V. COMPLETION DATA

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

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

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

I. CERTIFICATE OF COMPLIANCE

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

Larry G. [Signature]
(Signature)

ENGINEER

(Title)

NOVEMBER 2, 1982

(Date)

OIL CONSERVATION COMMISSION

NOV 15 1982

APPROVED _____, 19__

BY [Signature]

TITLE OIL & GAS INSPECTOR

This form is to be filed in compliance with RULE 1194.

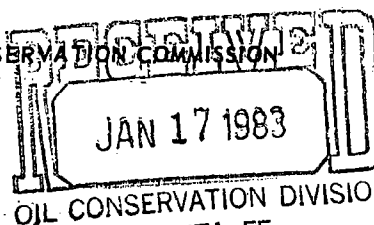
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviator tests taken on the well in accordance with RULE 111.

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 conditions. Form C-104 must be filed for each pool in multiple.

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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 <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name
Langlie State "A" State
9. Well No.
2Y
10. Field and Pool, or Wildcat
Jalmat (Gas)
12. County
Lea

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER- <input type="checkbox"/>
Name of Operator		
Petroleum Corporation of Texas		
Address of Operator		
Box 911, Breckenridge, Texas 76024		
Location of Well		
UNIT LETTER	H	1980 FEET FROM THE North LINE AND 735 FEET FROM
THE East	LINE, SECTION 36	TOWNSHIP 24S RANGE 36E NMPM.

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

3265' DF

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 <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER Plug off Langlie Mattix Zone <input checked="" 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.

- 1-3-72 MIRU well service unit. Pulled and laid down sucker rods. Pulled 2955' 1½" tubing and 284' 1½" tubing.
- 1-4-72 Swab down 2-7/8" tubing. Otis set retrievable plug in Type S-1 landing nipple @ 2920'. (This isolates Langlie Mattix zone - temporarily abandoned). Otis opened sliding sleeve in 2-7/8" tubing @ 2814'. Pull one swab run and shut in for night.
- 1-5-72 Swab Jalmat zone through tubing.
- 1-6-72 Swab Jalmat zone, zone kicked off, placed on pipe line for production. Release well service unit.

This is a single completion from Jalmat zone.

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

SIGNED Mary B. Taylor TITLE Production Clerk DATE 6-6-73

APPROVED BY John W. Remington TITLE Oil Conservator DATE 11-11-73

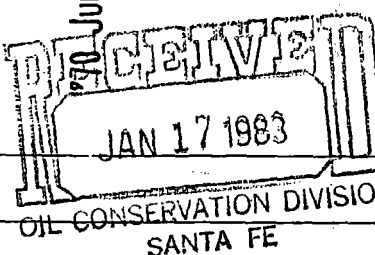
CONDITIONS OF APPROVAL, IF ANY:

H-36-24-36

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

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



Operator Petroleum Corporation of Texas	
Address P. O. Box 911, Breckenridge, Texas 76024	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Operator change to be effective
Recompletion <input type="checkbox"/>	June 1, 1970. Name change on lease
Change in Ownership <input checked="" type="checkbox"/>	from State "A" to Langlie State "A"
Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	

If change of ownership give name and address of previous owner: Shell Oil Company, Box 1509, Midland, Texas 79701

DESCRIPTION OF WELL AND LEASE

Lease Name Langlie State "A" State	Well No. 2Y	Pool Name, Including Formation Jalmat (Gas)(Yates) Langlie Mattix	Kind of Lease State, Federal or Fee State
Location Unit Letter H ; 1980 Feet From The North Line and 735 Feet From The East Line of Section 36 , Township 24S Range 36E , NMPM, Lea County			

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) Box 1510, Midland, Texas 79701
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> and Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rge. H 36 24S 36E	Is gas actually connected? When Yes 2-14-61

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

COMPLETION DATA

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

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

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

CERTIFICATE OF COMPLIANCE

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

Mary B. Taylor
(Signature)

Production Clerk

July 1, 1970

(Date)

OIL CONSERVATION COMMISSION

APPROVED

BY

TITLE

SUPERVISOR DISTRICT

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

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

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

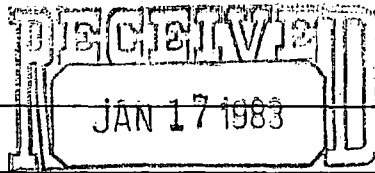
Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

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PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND

Form C-104
Supersedes Old C-104 and C-11
Effective 1-1-65

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS



Operator Shell Oil Company (Western Division)	
Address P. O. Box 1509, Midland, Texas 79701	
OIL CONSERVATION DIVISION SANTA FE	
Reason(s) for filing (Check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Other (Please explain) Change in Lease Name From: State #2Y To: State A #2Y	

If change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name State A	Well No. 2Y	Pool Name, Including Formation Jalpat (Gas) Yates	Kind of Lease B-1167 State, Federal or Fee State
Location Unit Letter H ; 1980 Feet From The North Line and 735 Feet From The East Line of Section 36 , Township 24S Range 36E , NMPM, Lea County			

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Texas-New Mexico Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1510, Midland, Texas 79701
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks. Unit H Sec. 36 Twp. 24S Rge. 36E	Is gas actually connected? Yes When February 14, 1961

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

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Pool	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

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

CERTIFICATE OF COMPLIANCE

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

K. W. Lagrone
(Signature)
Division Production Superintendent

September 8, 1966

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY _____
TITLE _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

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

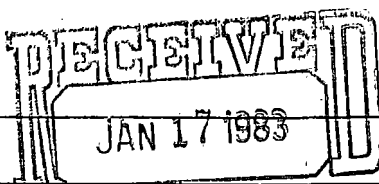
Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

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NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE
AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-
Effective 1-1-65OIL CONSERVATION DIVISION
SANTA FEOperator
Shell Oil Company (Western Division)Address
P. O. Box 1509, Midland, Texas 79701

Reason(s) for filing (Check proper box)

New Well ☐Recompletion ☐Change in Ownership ☐

Change in Transporter of:

Oil ☐Casinghead Gas ☐Dry Gas ☐Condensate ☐

Other (Please explain)

Change in Lease Name.

From: State #2Y

To: State A #2Y

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name State A	Well No. 2Y	Pool Name, including Formation Langlie-Mattix <i>Lower</i> Queen	Kind of Lease B-1167 State, Federal or Fee State
Location Unit Letter <u>H</u> ; <u>1980</u> Feet From The <u>North</u> Line and <u>735</u> Feet From The <u>East</u> Line of Section <u>36</u> , Township <u>24S</u> , Range <u>36E</u> , NMPM, <u>Lea</u> County			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1510, Midland, Texas 79701
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks.	Unit <u>I</u> Sec. <u>36</u> Twp. <u>24S</u> Rge. <u>36E</u> Is gas actually connected? <u>Yes</u> When <u>February 1954</u>

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

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth		P.B.T.D.					
Pool	Name of Producing Formation	Top Oil/Gas Pay		Tubing Depth					
Perforations		Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

Division Production Superintendent

September 8, 1966

(Date)

OIL CONSERVATION COMMISSION

APPROVED , 19

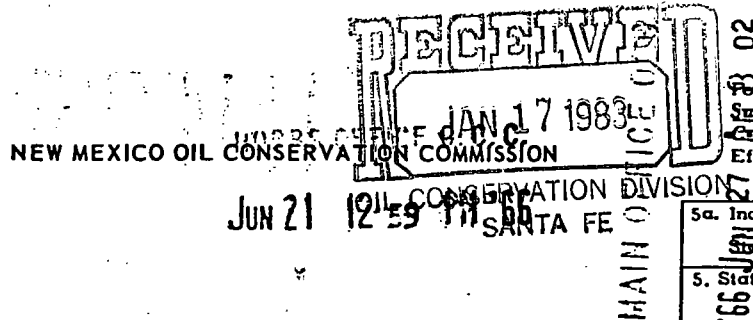
BY

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 allow-
able on new and recompleted wells.Fill out 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

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U.S.G.S.		
LAND OFFICE		
OPERATOR		



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

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5a. Indicate Type of Lease Min <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- 2. Name of Operator Shell Oil Company (Western Division) 3. Address of Operator P. O. Box 1509, Midland, Texas 79701 4. Location of Well UNIT LETTER <u>H</u> , <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>735</u> FEET FROM THE <u>east</u> LINE, SECTION <u>36</u> TOWNSHIP <u>24S</u> RANGE <u>36E</u> NMPM.	7. Unit Agreement Name - 8. Farm or Lease Name State 9. Well No. 2Y 10. Field and Pool, or Wildcat Jalmat (Gas)	15. Elevation (Show whether DF, RT, CR, etc.) 3265' DF
		12. County Lea

16. 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"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> OTHER <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <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 1 f03.

May 4, 1966 thru May 20, 1966
 Treated via tubing - casing annulus w/2500 gallons 15% Unisol and flushed w/48 bbls
 9#/gallon Brine w/2 gallons LST-5, all containing 1500 cu. ft./bbl. Co2.
 Turned to El Paso line and stabilized production.
 Flowed at rate of 1255 MCFPD. FTP 100 psi.

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

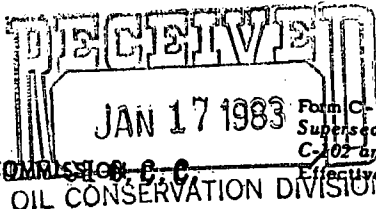
SIGNED N. W. Harrison TITLE Senior Exploitation Engineer DATE June 20, 1966

APPROVED BY [Signature] DATE June 20, 1966

CONDITIONS OF APPROVAL, IF ANY:

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

NEW MEXICO OIL CONSERVATION COMMISSION



MAY 4 1 06 PM '66

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 type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
2. Name of Operator Shell Oil Company (Western Division)	5. State Oil & Gas Lease No. B-1167
3. Address of Operator P. O. Box 1509, Midland, Texas 79701	7. Unit Agreement Name -
4. Location of Well UNIT LETTER <u>H</u> , <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>735</u> FEET FROM THE <u>east</u> LINE, SECTION <u>36</u> TOWNSHIP <u>24S</u> RANGE <u>36E</u> NMPM.	8. Farm or Lease Name State
	9. Well No. 2Y
	10. Field and Pool, or Wildcat Ialmat (Gas)
15. Elevation (Show whether DF, RT, GR, etc.) 3265' DF	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <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.

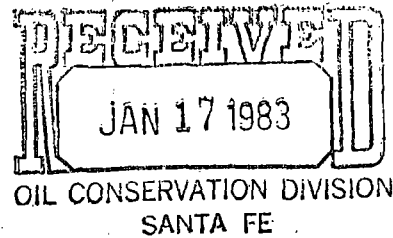
We propose to treat via tubing-casing annulus w/2500 gallons 15% Unisol and flush w/2000 gallons salt water w/2 gallons LST-5 in flush to increase capacity.

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

SIGNED N. W. Harrison N. W. Harrison TITLE Senior Exploitation Engineer DATE May 3, 1966

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:



NEW MEXICO OIL CONSERVATION COMMISSION

P. O. BOX 2045

HOBBS, NEW MEXICO

DATE June 13, 1961

TO:

RE: GAS WELLS

Shell Oil Company

This is:

Box 1858

A New Gas Well ()
An Oil Well Converted to Gas ()
An Oil-Gas Dual (X)
A Gas-Gas Dual ()

Roswell, New Mexico

Gentlemen:

Form C-104 has been received on your State #2-A H 36-24-36
Lease Well No. Unit S-T-R

☐
But no allowable can be assigned this
well until the following forms have
been received:

Form C-104 _____

Form C-110 _____

Form C-128 _____

NSP Order _____

Notice of Connection _____

Deliverability Test _____

☒
And a 80 acre allowable will
be assigned in the Jalmat Pool
under Order No: DC-1044.

Filed 2-22-61

Filed 2-22-61

Filed 2-22-61

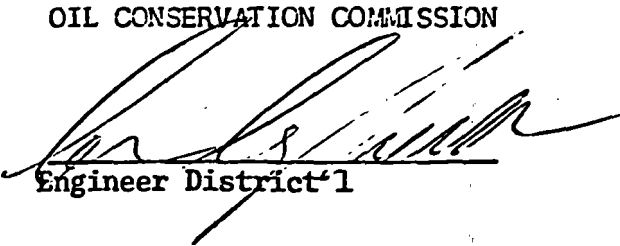
Approved 3-1-61

Date of Connection 5-12-61

Filed 2-22-61

DC Order 3-1-61

OIL CONSERVATION COMMISSION


Engineer District 1

Original-Operator
cc-File

Original-OCC, Santa Fe
cc-File, Operator &
Transporter--- EP

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 1, 1961

Shell Oil Company
P. O. Box 845
Roswell, New Mexico

Attention: Mr. R. L. Rankin

Administrative Order NSP-525

Gentlemen:

Reference is made to your application for approval of an 80-acre non-standard gas proration unit in the Jalmat Gas Pool consisting of the following acreage:

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM
Section 36: SE/4 NE/4 and NE/4 SE/4

It is understood that this unit is to be dedicated to your Shell State 2 A Well, located in Unit H of said section 36.

By authority granted me under provisions of Order No. R-1670, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with the pool rules, based upon the unit size of 80 acres.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/OEP/og

cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs
El Paso Natural Gas Company - El Paso

OIL CONSERVATION COMMISSION

P. O. BOX 871
SANTA FE, NEW MEXICO

March 1, 1961

Shell Oil Company
P. O. Box 845
Roswell, New Mexico

Gentlemen:

Enclosed herewith please find Administrative Order NO. DC-1044 for your State Well No. 2A located in the SE/4 NE/4 of Section 36, Township 24 South, Range 36 East, NMPM, Lea County, New Mexico, to permit the production of gas from the Jalmat Gas Pool and the production of oil from the Langlie-Mattix Pool.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/og

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

C
O
P
Y

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	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

FORM C-110
(Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator Shell Oil Company				Lease State		Well No. 2A
Unit Letter H	Section 36	Township 21S	Range 36E	County Lea		
Pool Langlie-Mattix (oil) - Jalmat (Gas)				Kind of Lease (State, Fed. Fee) State		
If well produces oil or condensate give location of tanks		Unit Letter H	Section 36	Township 21S		
				Range 36E		
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company				Address (give address to which approved copy of this form is to be sent) P. O. Box 374, Eunice, New Mexico		
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>		Date Connected		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		

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

REASON(S) FOR FILING (please check proper box)

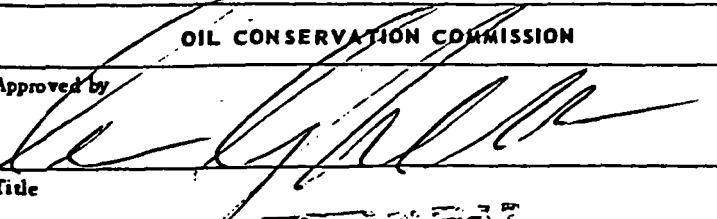
New Well ☐ Change in Ownership ☐
Change in Transporter (check one)
Oil ☐ Dry Gas ☐
Casing head gas . ☐ Condensate.. ☐
Other (explain below)

Remarks

Dual Completion - Langlie-Mattix (Oil)
Jalmat (Gas)
2-14-61

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

Executed this the 20th day of February, 19 61

OIL CONSERVATION COMMISSION		By
Approved by 		R. A. Lowery
Title Engineer District I		District Exploitation Engineer
Date JUN 18 1961		Company Shell Oil Company
		Address Box 845, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

Dual ~~Recompletion~~

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-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 new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Roswell, New Mexico
(Place)

February 20, 1961
(Date)

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

Shell Oil Company
(Company or Operator)

State

Well No. 2A

SE

NE

1/4

H

Sec. 36

T. -24-5

R. -36-E

NMPM.

Jalmat

Pool

Lea

County. Date operation started 1-29-61

Date Drilling Completed 2-11-61

Elevation 3265'

Total Depth 3525'

PSTD

-

Top Gas Pay 2825'

Name of Prod. Form.

Yates

PRODUCING INTERVAL - 2825' - 2837', 2848' - 2854';

Perforations 2865' - 2867', 2874' - 2880', 2906' - 2912'

Open Hole -

Depth

Casing Shoe 3375'

Depth

Tubing 3264'

OIL WELL TEST -

Natural Prod. Tests: bbls. oil, bbls water in hrs, min. Size

Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of

load oil used): bbls. oil, bbls water in hrs, min. Size

Choke

GAS WELL TEST -

Natural Prod. Tests: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: 2.200 MCF/Day; Hours flowed 24

Choke Size 28/64" Method of Testing: Absolute Open Flow

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and

sand); 250 G. MCA, 27,000 G. lease crude, 45,090# sand, 900# Mark II

Casing Tubing Date first new Adomite

Press. Press. oil run to tanks February 11, 1961

Oil Transporter Texas-New Mexico Pipe Line Company

Gas Transporter El Paso Natural Gas Company

Remarks:

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

Approved _____, 1961

OIL CONSERVATION COMMISSION

By: _____

Title _____

Shell Oil Company

(Company or Operator)

R. A. Lowery

By: _____

(Signature)

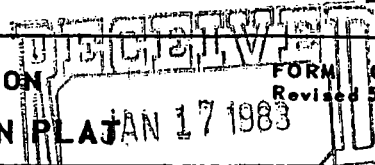
District Exploitation Engineer

Send Communications regarding well to:

Shell Oil Company

Box 845, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION



FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

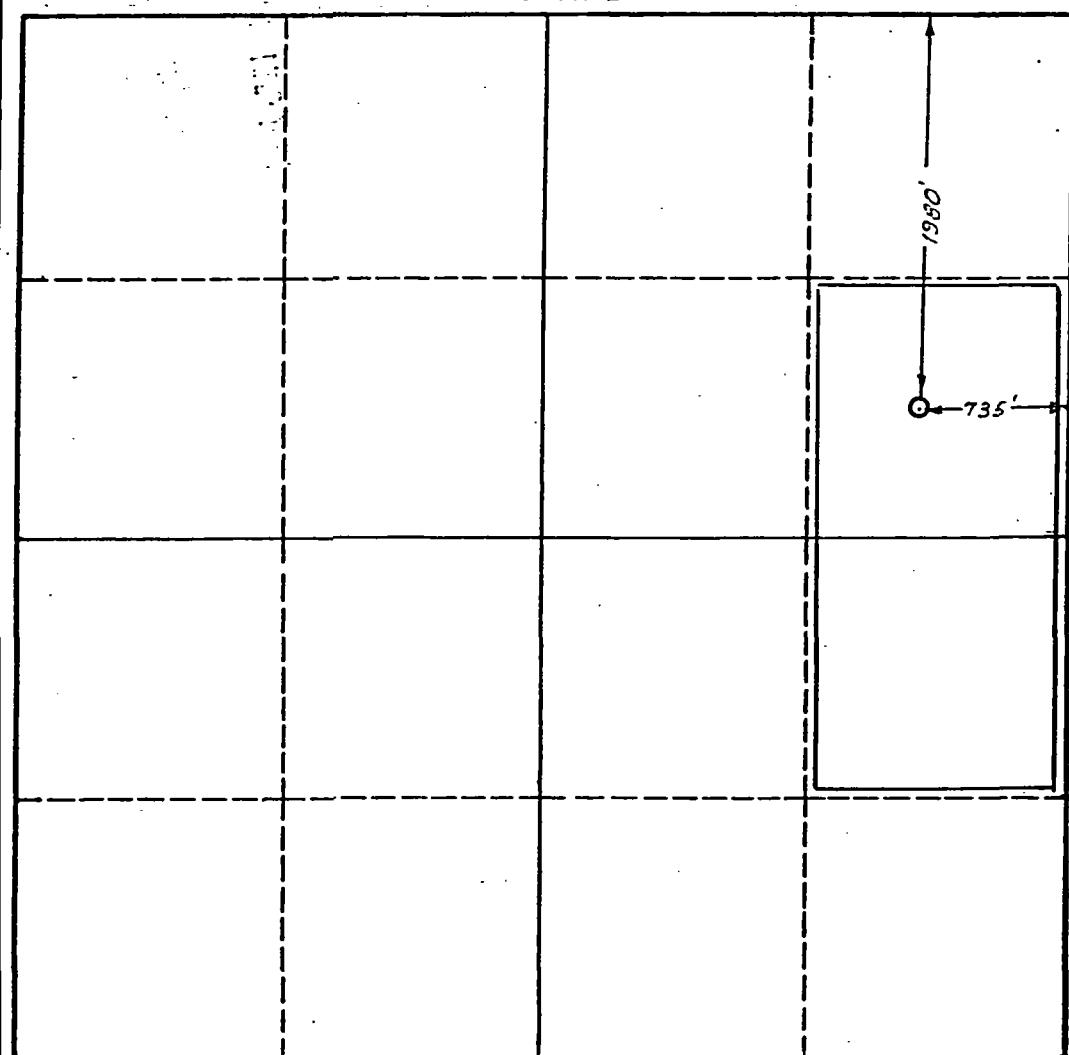
OIL CONSERVATION DIVISION
SANTA FE

Operator Shell Oil Company		Lease		State NEW MEXICO		Well No. 2A 32	
Unit Letter H	Section 36	Township 24S	Range 36E	County Lea			
Actual Footage Location of Well: 1980 feet from the north line and 735 feet from the east line							
Ground Level Elev. 3255'	Producing Formation Yates		Pool Jalmat		Dedicated Acreage: 80 Acres		

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

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

R. A. Lowery
Name
R. A. Lowery
Position
District Exploitation Engineer
Company
Shell Oil Company
Date
February 20, 1961

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

Date Surveyed _____
Registered Professional Engineer and/or Land Surveyor

Certificate No. _____

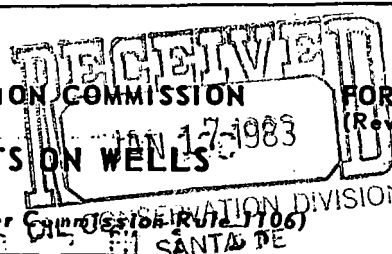
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TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

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



Name of Company Shell Oil Company		Address Box 845, Roswell, New Mexico			
Lease State	Well No. 2A	Unit Letter H	Section 36	Township 24S	Range 36E
Date Work Performed 1-29-61 thru 2-14-61	Pool Langlie-Mattix - Jalmat			County Lea	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☒ Other (Explain):
☐ Plugging ☐ Remedial Work Dual Completion

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

DUAL COMPLETION LANGLEIE-MATTIX (OIL) * JALMAT (GAS)

1. Pulled rods, pump & tubing.
2. Ran GR/N, CGL Survey 3281' - 2500'.
3. Top of fish @ 3281'.
4. Ran Baker Model FA packer on wireline & set @ 3000'.
5. Dumped 7 1/2' frac sand on top of packer. Ran 2" open ended tubing to 2941'.
6. Loaded casing annulus w/oil Pressure tested 5 1/2" casing to 3600 psi/30 minutes/OK.
7. Spotted 250 gallons 15% MCA on bottom, pulled 2" tubing.
8. Perforated 5 1/2" casing 2825' - 2837', 2848' - 2854', 2864' - 2867', 2874' - 2880', 2906' - 2912' w/1-1/2" JSPP.
9. Treated w/27,000 gallons lease oil containing 1/67# sand & 1/30# Mark II Adomite/gallon in 3 stages using ball sealers.
10. Ran 95 jts. (2867') 2 1/2", 6.5#, SH, EUE, N-80 tubing + 60' blast nipples + 262' 2 1/2" tubing tail pipe bull plugged @ 3264'. Baker Seal Assembly 3000', Otis S nipple w/plug in place @ 2920', Otis Blas Nipples 2904' - 2914', 2862' - 2882', 2846' - 2856', 2820' - 2840', Otis Sleeve Valve in open position 2814', 4 Baker Turbulizers spaced approximately 100'.

Witnessed by H. B. Brooks	Position Production Foreman	Company (Continued on back of page) Shell Oil Company
------------------------------	--------------------------------	--

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval				
Producing Formation(s)				

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

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

Approved by 	Name R. A. Lowery
Title District Exploitation Engineer	Position District Exploitation Engineer
Date JAN 26 1983	Company Shell Oil Company

60' apart thru perforated zone. Pushed out Baker expendable plug from Model FA packer & latched seal assembly in packer. Set tubing w/10,000# tension. Hydrotested tubing to 5000 psi.

11. On Absolute open flow potential flowed 2.200 million CFGPD based on the following:

<u>Time (hrs.)</u>	<u>MCFPD</u>	<u>CHOKE</u>	<u>CASING PRESSURE</u>
2	404.4	13/64"	435 psi
1 1/2	582.5	16/64"	426 psi
1 1/2	930.0	20/64"	405 psi
2	1169.0	24/64"	380 psi
21	1284.0	28/64"	309 psi

No fluid during test. Official Completion Date February 14, 1961.

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS DBS OFFICE OCC

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

Name of Company Shell Oil Company Address Box 845, Roswell, New Mexico

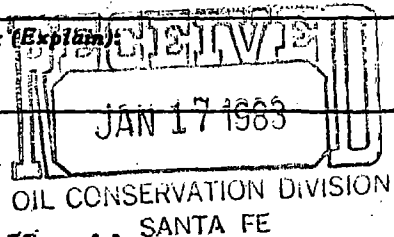
Lease State Well No. 2A Unit Letter H Section 36 Township 24S Range 36E

Date Work Performed 8-1-59 thru 10-29-59 Pool Langlie-Mattix County Lea

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain):
- ☐ Plugging ☒ Remedial Work

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



1. Pulled rods, pump & tubing.
2. Ran Worth Well Caliper Survey.
3. Treated open hole 3375' - 3405' via tubing w/1500 gallons 15% acid.
4. Ran Lynes Production Packer on 2" tubing & set packer @ 3405'. Opened slide valve above packer.
5. Ran pump & rods to 3399'.
6. In 24 hours pumped 8 BO + 17 BW w/9-54" SPM.
7. Pulled rods & pump.
8. Treated via casing w/10,000 gallons lease crude containing 1# sand & 0.1# Adomite per gallon.
9. Ran 2" x 1 1/2" x 24' Fluid Packed 3-Tube Bottom Hole Pump & rods to previous setting.
10. Recovered load.
11. In 24 hours pumped 15 BO + 135 BW w/9-54" SPM.

Witnessed by H. B. Brooks Position Production Foreman Company Shell Oil Company

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev. 3265' TD 3525' PBTD - Producing Interval 3375' - 3525' Completion Date 2-24-49

Tubing Diameter 2" Tubing Depth 3518' Oil String Diameter 5 1/2" Oil String Depth 3375'

Perforated Interval(s) -

Open Hole Interval 3375' - 3525' Producing Formation(s) Seven Rivers

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover	2-15-59	8	69.9	54	8738	-
After Workover	10-29-59	15	88.9	135	5927	-

OIL CONSERVATION COMMISSION

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

Approved by R. A. Lowery Name R. A. Lowery

Title Engineer District Position District Exploitation Engineer

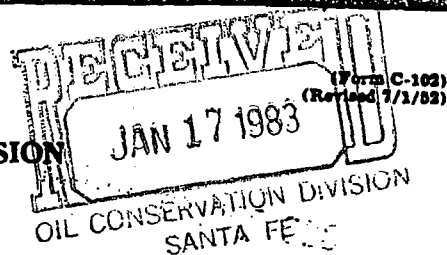
Date NOV 2 1959 Company Shell Oil Company

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MAIN OFFICE

MISCELLANEOUS NOTICES



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

Indicate Nature of Notice by Checking Below

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

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICORoswell, New Mexico
(Place)August 4, 1959
(Date)

Gentlemen:

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

Shell Oil Company State Well No. 2-A in H
(Company or Operator) (Unit)
SE 1/4 NE 1/4 of Sec. 36, T. 24-S, R. 36-E, NMPM, Langlie-Mattix Pool
(40-acre Subdivision)
Lea County.

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

We propose to treat w/1500 gallons 15% acid to increase capacity.

Approved _____, 19____
Except as follows:Approved
OIL CONSERVATION COMMISSIONBy _____
Title _____

Shell Oil Company

Company or Operator

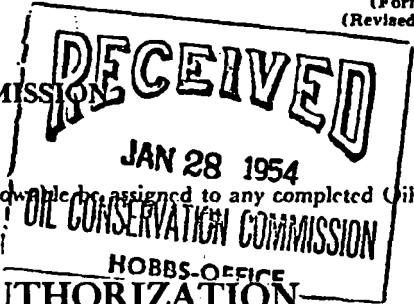
By R. A. Lowery R. A. Lowery

Position District Exploitation Engineer
Send Communications regarding well to:

Name Shell Oil Company

Address Box 845, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



It is necessary that Form C-104 be approved before this form can be approved and an initial allowance be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Shell Oil Company Lease State State TX
Address Box 1957, Hobbs, New Mexico Box 1509, Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H, Well(s) No. 2 A, Sec. 36, T. 24, R. 36, Pool Langlie-Mattix
County Lea Kind of Lease: State Lease

If Oil well Location of Tanks _____
Authorized Transporter El Paso Natural Gas Co. Address of Transporter
Jal, New Mexico Box 1492, El Paso, Texas
(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 None

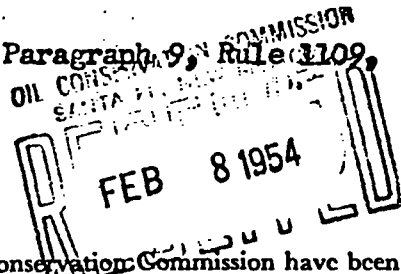
_____ %

REASON FOR FILING: (Please check proper box)

NEW WELL ☐ CHANGE IN OWNERSHIP ☐
CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☒

REMARKS:

This report covers casinghead gas production on the above lease in
accordance with Commission Order R-98-A, Paragraph 9, Rule 1109,
Section (A).



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

Executed this the _____ day of JAN 27 1954 19____

SHELL OIL COMPANY,

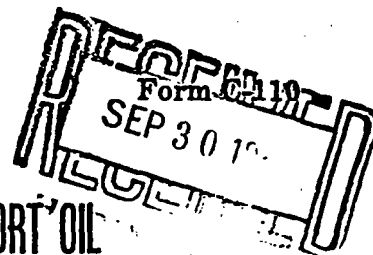
Approved FEB 5 1954, 19____

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

By L. E. Henge
Title Division Production Superintendent

ORIGINAL

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO



CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator Shell Oil Company Lease State
Address Box 1457 Hobbs, New Mexico Box 1509 Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H Wells No. 2A Sec 36 T 24S R 36E Field Langlie Mattix County Lea
Kind of Lease State Location of Tanks center of lease
Transporter Texas & New Mexico Pipe Line Address of Transporter Elmice, New Mexico
(Local or Field Office)
Midland, Texas Percent of oil to be transported 100 Other transporters author-
(Principal Place of Business) ized to transport oil from this unit are none 0 %

REMARKS:

Operating ownership change effective close of business September 30, 1949

Previous owner: Shell Oil Company, Incorporated

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 percentages 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 30th day of September, 1949

Shell Oil Company

(Company or Operator)

By Frank R. Lovering

Title District Superintendent

State of New Mexico

County of Lea

ss.

Before me, the undersigned authority, on this day personally appeared Frank R. Lovering 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 30th day of September, 1949

Notary Public in and for Lea County, New Mexico My Commission Expires Sept. 16, 1950

Approved: Sept - 30 - 1949

OIL CONSERVATION COMMISSION

By Ray C. Yarbrough

OIL & GAS INSPECTOR

(See Instructions on Reverse Side)

ORIGINAL

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

Form C-110
FEB 24 1949
RECEIVED
OBS OFFICE

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator Shell Oil Company, Incorporated Lease State Lea
Address Box 1457 Hobbs, New Mexico Box 1509 Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H Wells No. 2A Sec. 36 T 24S R 36E Field Langlie-Mattix County Lea
Kind of Lease State Location of Tanks Center of lease
Transporter Texas-New Mexico Pipe Line Address of Transporter Midland, Texas
(Principal Place of Business) (Local or Field Office)

Percent of oil to be transported 100. Other transporters authorized to transport oil from this unit are none 0 %

REMARKS:
NEW COMPLETION: Allowable to date from 2-6-49.
CORRECTED COPY: February allowable = 23 X 45 = 1035 barrels oil.
Previous C-110, dtd., 2-17-49, listed Shell Pipe Line Corp., as transporter, which was in error.

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 23rd day of February, 1949

By Frank R. Lovering (Company or Operator)
Title District Superintendent
State of New Mexico
County of Lea

Before me, the undersigned authority, on this day personally appeared Frank R. Lovering 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 23rd day of February, 1949
Notary Public in and for Lea County, New Mexico
My Commission Expires Sept. 16, 1950

Approved: 2-24- 1949
OIL CONSERVATION COMMISSION
Ray A. Yarrrough

Q

FORM C-105

N

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Santa Fe, New Mexico

WELL RECORD

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. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.**

Shell Oil Company, Incorporated Box 1457 Hobbs, New Mexico
Company or Operator Address
State _____ Well No. 2-A in NE/4 " of Sec. 36 T. 24-S
Lease
R. 36E _____, N. M. P. M., Langlie-Mattix _____ Field; _____ Lea _____ County.
Well is 1980 feet south of the North line and 735 feet west of the East line of Sec. 36
If State land the oil and gas lease is No. B-1167 Assignment No. _____
If patented land the owner is _____ Address _____
If Government land the permittee is _____ Address _____
The Lessee is Shell Oil Company, Incorporated Address Box 1457 Hobbs, New Mex.
Drilling commenced 1-3-49 19 _____ Drilling was completed 1-29-49 19 _____
Name of drilling contractor Company Tools _____ Address _____
Elevation above sea level at top of casing 3255 feet.
The information given is to be kept confidential until not confidential 19 _____

OIL SANDS OR ZONES

No. 1, from 3375 to 3525 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. _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8 5/8"	355'	350	Pump & plug	10.0	
7 7/8"	5 1/2"	3375'	850	Pump & plug	11.0	

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
none						

Results of shooting or chemical treatment.....

RECORD OF DRILL-STEM AND SPECIAL TESTS

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

TOOLS USED

Rotary tools were used from 0 feet to 3525 feet, and from..... feet to..... feet
 Cable tools were used from..... feet to..... feet, and from..... feet to..... feet

PRODUCTION

Put to producing 2-6 1949
 The production of the first 24 hours was 73.11 barrels of fluid of which 81.8 % was oil; 0 % emulsion; 2 % water; and 16.2 % mud. Gravity, 34.8 deg.
 If gas well, cu. ft. per 24 hours..... Gallons gasoline per 1,000 cu. ft. of gas.....
 Rock pressure, lbs. per sq. in. 100 MCF G.O.R. = 1670

EMPLOYEES

B. L. Simmers, Sr. Driller M. L. Yow Driller
 J. L. Mahan Driller G. R. Young Driller
 J. A. Arnold

FORMATION RECORD ON OTHER SIDE

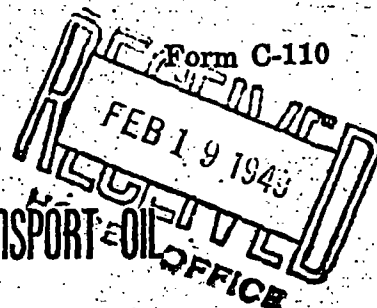
I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 17th
 day of February, 1949
James R. Davis
 Notary Public
 My Commission Expires Sept. 16, 1950
 My Commission expires.....

Hobbs, New Mexico February 17, 1949
 Place *Frank R. Lovering* Date
 Name Frank R. Lovering
 Position District Superintendent
 Representing Shell Oil Company, Incorporated
 Company or Operator
 Address Box 1457 Hobbs, New Mexico

ORIGINAL

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO



CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL

Company or Operator Shell Oil Company, Incorporated Lease State
Address Box 1457 Hobbs, New Mexico Box 1509 Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H Wells No. 2A Sec. 36 T24S R36E Field Langlie-Mattix County Lea
Kind of Lease State Location of Tanks Center of lease
Transporter Shell Pipe Line Corp. Address of Transporter Box 486 Hobbs, New Mexico
(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 none 0 %

REMARKS:

NEW COMPLETION: Allowable to date from 2-6-49.
February allowable = $23 \times 45 = 1035$ barrels oil.

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 17th day of February, 1949

Shell Oil Company, Incorporated

(Company or Operator)

By Frank R. Lovering

Title District Superintendent

State of New Mexico

County of Lea

Before me, the undersigned authority, on this day personally appeared Frank R. Lovering 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 17th day of February, 1949

Notary Public in and for Lea County,

Approved: 2-19- 1949

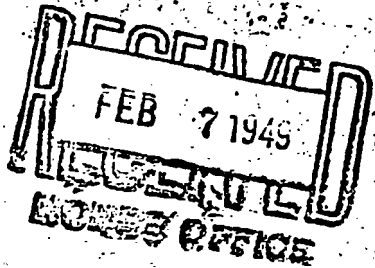
OIL CONSERVATION COMMISSION

By Roy O. Yankraugh
OIL & GAS INSPECTOR (See Instruction on Reverse Side)

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 off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission. Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

January 31, 1949

Hobbs, New Mexico

Date

Place

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
Shell Oil Company, Incorporated State Well No. 2-A in the
Company or Operator Lease
NE/4 of Sec. 36, T. 24-S, R. 36-E, N. M. P. M.,
Langlie-Mattix Field, Lea County.

The dates of this work were as follows: 1-29-49

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on 1-27-49 19
and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After W.O.C. 48 hours, tested 5 1/2-inch casing with 1000 p.s.i. for 30 minutes.

Held OK. Top of cement behind 5 1/2-inch casing at 900 feet, by stress strain measurement.

Witnessed by J. K. Pevehouse Shell Oil Company, Incorporated Production Foreman
Name Company Title

Subscribed and sworn before me this 31st

day of January 1949

Gene K. Davis
Notary Public

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

Name Frank H. Lovering

Position District Superintendent

Representing Shell Oil Company, Incorporated
Company or Operator

My commission expires My Commission Expires Sept. 16, 1950

Address Box 1457 Hobbs, New Mexico

Remarks:

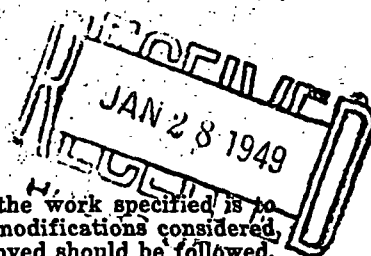
APPROVED
FEB 7 1949

Roy J. [Signature]
Name
Title

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 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 SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico

January 27, 1949

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

Shell Oil Company, Incorporated State Well No. 2-A in NE/4
Company or Operator Lease
of Sec. 36, T. 24-S, R. 36-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

Ran 5 1/2-inch casing to 3375 feet and cemented with 850 sacks. Plug down at 8:15 a.m. 1-26-49. After W.O.C. 48 hours will test casing.

JAN 28 1949

Approved _____, 19
except as follows:

Shell Oil Company, Incorporated
Company or Operator

By Frank R. Lovering

Position District Superintendent
Send communications regarding well to

Name Shell Oil Company, Incorporated

Address Box 1457 Hobbs, New Mexico

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

ORIGINAL 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 off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	<input checked="" type="checkbox"/>	REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL		

January 6, 1949

Hobbs, New Mexico

Date

Place

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 _____
Shell Oil Company, Incorporated State _____ Well No. 2-A in the _____
Company or Operator Lease
NE/4 of Sec. 36, T. 24-S, R. 36-E, N. M. P. M.,
Langlie-Mattix Field, Lea County.

The dates of this work were as follows: 1-4-49

Notice of intention to do the work was ~~(was not)~~ submitted on Form C-102 on 1-4-49 19 _____
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 8 5/8-inch casing with 800 p.s.i. water pressure for 30 minutes. Held
OK. Drilled plug and tested cement job with 500 p.s.i. for 30 minutes. Held OK.

Witnessed by J. K. Pevehouse Shell Oil Company, Incorporated Production Foreman
Name Company Title

Subscribed and sworn before me this 6th

day of January 19 49

Notary Public

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

Name Frank R. Lovering

Position District Superintendent

Representing Shell Oil Company, Incorporated
Company or Operator

Address Box 1457 Hobbs, New Mexico

My commission expires Sept. 16, 1950

Remarks:

APPROVED

Date JAN 12 1949

Title

Ray Yarbrough
District Superintendent

ORIGINAL

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 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 SHOOT OR CHEMICALLY TREAT WELL
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	NOTICE OF INTENTION TO PULP OR OTHERWISE ALTER CASING
NOTICE OF INTENTION TO REPAIR WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG WELL
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>	

Hobbs, New Mexico January 4, 1949

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

Shell Oil Company, Incorporated State Well No. 2-A in NE/4
Company or Operator Lease
of Sec. 36, T. 24-S, R. 36-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

Ran 8 5/8-inch casing to 365.14 feet and cemented with 350 sacks regular cement.

Circulated out estimated 200 sacks. Plug down 5:30 p.m. 1-3-49. After W.O.C. 24 hours will test casing and water shut-off.

Approved Jan 11 1949, 19
except as follows:

OIL CONSERVATION COMMISSION,
By Noy Yankrough
Title Oil & Gas Inspector

Shell Oil Company, Incorporated

Company or Operator

By Frank R. LoveringPosition District Superintendent

Send communications regarding well to

Name Shell Oil Company, IncorporatedAddress Box 1457 Hobbs, New Mexico

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

ORIGINAL 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 off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS

☒

REPORT ON REPAIRING WELL

REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL

REPORT ON PULLING OR OTHERWISE ALTERING CASING

REPORT ON RESULT OF TEST OF CASING SHUT-OFF

REPORT ON DEEPENING WELL

REPORT ON RESULT OF PLUGGING OF WELL

January 4, 1949

Hobbs, New Mexico

Date

Place

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

Shell Oil Company, Incorporated

State

Well No. 2-A

in the

Company or Operator

Lease

NE/4

of Sec. 36

T.

24-S

R.

36-E

N. M. P. M.,

Langlie-Mattix

Field,

Lea

County.

The dates of this work were as follows: 1-3-49

Notice of intention to do the work was (was not) submitted on Form C-101 on 1-3 1949

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spudded 12:30 a.m. 1-3-49.

Witnessed by J. K. Fevehouse

Shell Oil Company, Incorporated

Production Foreman

Name

Company

Title

Subscribed and sworn before me this 4th

day of January

19 49

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

Name Frank R. Lovering

Position District Superintendent

Representing Shell Oil Company, Incorporated
Company or Operator

My commission expires

Address

Box 1457 Hobbs, New Mexico

Remarks:

APPROVED

Date

JAN 11 1949

Name

J. K. Fevehouse

Title

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

ORIGINAL

NOTICE OF INTENTION TO DRILL

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 approval. See additional instructions in Rules and Regulations of the Commission.

Hobbs, New Mexico

January 3, 1949

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

Shell Oil Company, Incorporated

State

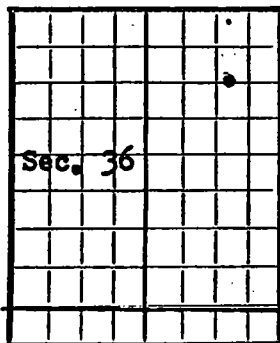
Well No. 2-A in NE/4

Company or Operator

Lease

of Sec. 36, T 24-S, R 36-E, N. M. P. M. Langlie-Mattix Field, Lea County.

N



AREA 640 ACRES

LOCATE WELL CORRECTLY

The well is 1980 feet (N.) (S.) of the north line and 735 feet (E.) (W.) of the east line of Sec. 36 T 24-S, R 36-E

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

If state land the oil and gas lease is No. B-1167 Assignment No.

If patented land the owner is

Address

If government land the permittee is

Address

The lessee is Shell Oil Company, Incorporated

Address Box 1457 Hobbs, New Mexico

We propose to drill well with drilling equipment as follows:

Conventional rotary rig.

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: Blanket bond

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
11"	8 5/8"	32.0#	New	360'	cemented	300 sacks
7 7/8"	5 1/2"	15.5#	New	3375'	cemented	850 sacks

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3375 feet.

Additional information:

See reverse side.

Approved JAN 11 1949 19
except as follows:

Sincerely yours,

Shell Oil Company, Incorporated
Company or Operator

By Frank R. LoveringPosition District Superintendent

Send communications regarding well to

Name Shell Oil Company, IncorporatedAddress Box 1457 Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By Roy Yankovitch
Title Oil & Gas Engineer

ANNOUNCEMENT

This well will be drilled with same type mud and under same conditions as Shell State No. 1, (a direct south offset), in which well, cement reached top of salt as determined by temperature and caliper surveys, using 100 sacks less cement than specified above. If hole conditions differ, the Commission will be notified. This well is located 75 feet west of Shell State No. 2 which was J & A 1-1-49. Shell State No. 2 (TD 628') will be tested for water production and if not converted to a water well, will be properly P & A as soon as drilling of State 2-A is complete.

State No. 1	Location	1-1-49	Ver	100.00	1-1-49	1-1-49
State No. 2	Location	1-1-49	Ver	100.00	1-1-49	1-1-49

Handwritten signature

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

November 12, 1982

To all Off-setting Jalmat Gas Owners
Langlie "A" State No. 3
SE/4 NE/4 and NE/4 SE/4
Section 36, T-24-S, R-36-E
Lea County, New Mexico

We respectfully request your approval of the following application to the New Mexico Oil Conservation Division:

1. Simultaneous dedication of the 80 acres consisting of SE/4 NE/4 and NE/4 SE/4 Section 36, T-24-S, R-36-E, Lea County, New Mexico to our presently existing Langlie "A" State No. 2 Jalmat Gas Well and and the soon to be drilled Langlie "A" State No. 3.
2. The drilling of the Langlie "A" State No. 3 at an unorthodox Jalmat gas location consisting of 1980' FSL and 330' FEL of Section 36.

This letter is also your notice of our intention to qualify the proposed Langlie "A" State No. 3 as a Section 103 (Infill) Jalmat Gas Well.

Please designate your approval of the above by signing (1) one copy of this request and returning it in the enclosed stamped self-addressed envelope at your earliest convenience. The other copy of this letter is to be retained for your files.

Thank you for your cooperation in this matter.

Very truly yours,
Doyle Hartman, Oil Operator

Larry A. Nermyr

Larry A. Nermyr
Engineer

Agreed to this _____ day of _____, 1982

The First National Bank of Fort Worth, Texas

By _____

Title _____

Sun-Texas

By _____

Title _____

Getty Oil Company

By _____

Title _____

Convest Energy Corporation

By _____

Title _____

Phillips Petroleum Company

By _____

Title _____

NOV 12 '82
TEX.
U.S. POSTAGE
2.06

P111964483

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

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

STAGE	\$ 71
CERTIFIED FEE	75
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
OPTIONAL SERVICES	60
RETURN RECEIPT SERVICE	
SHOW TO WHOM AND DATE OF DELIVERY	
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	
POSTAGE AND FEES	\$ 206
POSTMARK OR DATE	

Langlie "A" No. 3

CERTIFIED MAIL

P111964483

DOYLE HARTMAN
P. O. BOX 10426
MIDLAND, TEXAS 79702

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

Attention: Mr. Audra B. Cary
District Manager of Production

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered 60¢
☐ Show to whom, date, and address of delivery .. —¢

2. ☐ **RESTRICTED DELIVERY** —¢
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ 60

3. **ARTICLE ADDRESSED TO:**
 Getty Oil Company
 P. O. Box 1231
 Midland, Texas 79702

4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COD <input type="checkbox"/> EXPRESS MAIL	ARTICLE NUMBER 1964483
---	---------------------------

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY	POSTMARK
6. ADDRESSEE'S ADDRESS (Only if requested)	
7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS

Langlie "A" No. 3

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

Langlie "A" No. 3

NOV 12 '82
TEX.
2.06

P11 1964482

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO	
Sun-Texas	
STREET AND NO	
P. O. Box 4067	
PO, STATE AND ZIP CODE	
Midland, Texas 79702	
POSTAGE	
\$ 75	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE
	SPECIAL DELIVERY
	RESTRICTED DELIVERY
	OPTIONAL SERVICES
	RETURN RECEIPT SERVICE
SHOW TO WHOM AND DATE DELIVERED	60
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	
\$ 2.06	
POSTMARK OR DATE	
Langlie "A" No. 3	

DOYLE HARTMAN	
P. O. BOX 10426	
MIDLAND, TEXAS 79702	
TO:	Sun-Texas
	P. O. Box 4067
	Midland, Texas 79702
	Attention: Mr. M. L. Schroder
	District Manager of Reservoir
	Engineering

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered 60
☐ Show to whom, date, and address of delivery,
2. ☐ RESTRICTED DELIVERY
(The restricted delivery fee is charged in addition to the return receipt fee.)
TOTAL \$ 60

3. ARTICLE ADDRESSED TO:
Sun-Texas
P. O. Box 4067
Midland, Texas 79702

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED 1964482
☒ CERTIFIED ☐ COD
☐ EXPRESS MAIL
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

Langlie "A" No. 3

CERTIFIED

P11 1964482

MAIL

P11 1964490
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO
Convest Energy Corp.
STREET AND NO.
Suite 700, Fountain View
P.O. STATE AND ZIP CODE
Houston, Texas 77057

POSTAGE		\$ 77
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	75¢
	SPECIAL DELIVERY	¢
	RESTRICTED DELIVERY	¢
	OPTIONAL SERVICES	60¢
	RETURN RECEIPT SERVICE	¢
TOTAL POSTAGE AND FEES		\$2.06

POSTMARK OR DATE

Langlie "A" No. 3

CERTIFIED

P11 1964490

MAIL

DOYLE HARTMAN

P. O. BOX 10426

MIDLAND, TEXAS 79702

TO:

Convest Energy Corporation
Suite 700
2401 Fountain View Drive
Houston, Texas 77057

Attention: Mr. Ken F. Fagan
Vice President Engineerin

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one). 60¢
☒ Show to whom and date delivered
☐ Show to whom, date, and address of delivery..
2. ☐ RESTRICTED DELIVERY
(The restricted delivery fee is charged in addition to
the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
Convest Energy Corporation
Suite 700, 2401 Fountain View
Houston, Texas 77057

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD 1964490
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7b. EMPLOYEE'S INITIALS

Langlie "A" No. 3

P111964491

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

TO
Phillips Petroleum
4001 Pembroke

STATE AND ZIP CODE
Odessa, Texas 79762

STAGE	
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 \$2.06

POSTMARK OR DATE
Langlie "A" No. 3

CERTIFIED

P111964491

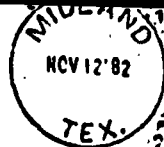
MAIL

DOYLE HARTMAN
P. O. BOX 10426
MIDLAND, TEXAS 79702

TO:

Phillips Petroleum Company
4001 Pembroke
Odessa, Texas 79762

Attention: S. R. Smith
Director Reservoir Engineering



U.S. POSTAGE
\$2.06

PS Form 3811, Dec. 1980
RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one). 60¢

☒ Show to whom and date delivered

☐ Show to whom, date, and address of delivery

2. ☐ **RESTRICTED DELIVERY** —¢
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ 60

3. **ARTICLE ADDRESSED TO:**
Phillips Petroleum
4001 Pembroke
Odessa, Texas 79762

4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COD <input type="checkbox"/> EXPRESS MAIL	ARTICLE NUMBER 1964491
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(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY	POSTMARK
6. ADDRESSEE'S ADDRESS (Only if requested)	

7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS
--------------------------------------	--------------------------------

Langlie "A" No. 3

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 1, 1961

Shell Oil Company
P. O. Box 845
Roswell, New Mexico

Attention: Mr. R. L. Rankin

Administrative Order NSP-525

Gentlemen:

Reference is made to your application for approval of an 80-acre non-standard gas proration unit in the Jalmat Gas Pool consisting of the following acreage:

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM
Section 36: SE/4 NE/4 and NE/4 SE/4

It is understood that this unit is to be dedicated to your Shell State 2 A Well, located in Unit H of said section 36.

By authority granted me under provisions of Order No. R-1670, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with the pool rules, based upon the unit size of 80 acres.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/OEP/og

cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs
El Paso Natural Gas Company - El Paso

C
O
P
Y

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 1, 1961

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Secretary-Director

ALP/OEP/og

cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs
El Paso Natural Gas Company - El Paso

C
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Y

OIL CONSERVATION COMMISSION

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Section 36: SE/4 NE/4 and NE/4 SE/4

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Very truly yours,

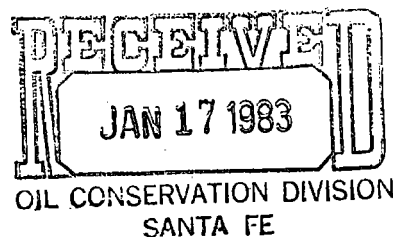
A. L. PORTER, Jr.,
Secretary-Director

ALP/OEP/og

cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs
El Paso Natural Gas Company - El Paso

C
O
P
Y

DOYLE HARTMAN
Oil Operator
500 N. MAIN
P. O. BOX 10426
MIDLAND, TEXAS 79702
(915) 684-4011



January 14, 1983

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

Attention: Mr. R. L. Stamets

Re: Administrative Procedure
Infill Finding
Langlie "A" No. 3
Section 36, T-24-S, R-36-E
at 1980' FSL & 330' FEL
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 Langlie "A" No. 3 located 1980' FSL and 330' FEL Section 36, T-24-S, R-36-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 production unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled Jalmat (Gas) Pool, and the standard spacing unit therefore is 640 acres.
- Rule 7 The number of the Administrative Order approving the non-standard proration unit and unorthodox location dedicated to the well is NSL-1628.
- Rule 8 Table 1 attached to William P. Aycock's letter dated July 19, 1982 shows the following:

- a. Lease name and well location;
- b. Spud date;
- c. Completion date;
- d. A description of any mechanical problems experienced along with a summary of remedial action(s) taken and the results obtained;
- e. The current rate of production, 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 December 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
 4. C-104 and C-105 (including Inclination Report)
 5. Scout Ticket and Well Log Summary for Doyle Hartman's Langlie "A" No. 3 (Infill Jalmat Well)
 6. Scout Ticket and Well Log Summary for Langlie "A" State No. 2 (previous producer on proration unit)
 7. N.M.O.C.D. Forms for the Langlie "A" State No. 2 (previous Jalmat producer on proration unit).

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

Very truly yours,
DOYLE HARTMAN

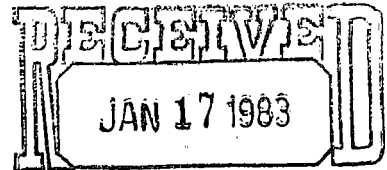

Becky Eichinger,
Administrative Assistant

/be

Enclosures

WILLIAM P. AYCOCK & ASSOCIATES, INC.

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



December 29, 1982

OIL CONSERVATION DIVISION
SANTA FE

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

Attention: Mr. Mike Stogner

Subject: Administrative Application for Infill Well Findings
for Doyle Hartman's Langlie "A" No. 3 Well,
Section 36, Township 24 South, Range 36 East,
1980' FSL and 330' FEL, Jalmat (Gas) 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 constitute the requirements of the said Order:

- Rule 5: Attached are copies of the Forms C-101 and C-102.
- Rule 6: The name of the pool in which the infill well has been drilled is the Jalmat Pool, and the standard spacing therefor is 640 acres.
- Rule 7: The non-standard proration unit and unorthodox well location were approved administratively by Order No. NSL-1628, a copy of which is attached hereto.
- Rule 8: See attached Table No. 1, "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A" for requirements of Sections "a." through "f.". Also required by Section "g." is "a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Jalmat (Gas) Pool well to which the present 80-acre non-standard proration unit was assigned was the Doyle Hartman Langlie "A" State No. 2; this well produced 415 MCF in October 1982, with an accumulative gas production

of 681.8 MMCF. The estimated ultimate gas recovery for the Doyle Hartman Langlie "A" State 2 is 692.8 MMCF as of October 1, 1982, resulting in an estimated future gas recovery for this pre-existing well of 11.0 MMCF. The estimated future life is about twenty-four months. Accordingly, any producible gas reserves that remain beneath the subject lease would have been substantially not recoverable from the subject property without the drilling of the infill application well.

Rule 9:

Section a. Requires that a formation structure map be submitted; attached is a Yates formation structure map of the immediate area containing the subject lease.

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 Langlie "A" No. 3 is 74 MMCF. Since the gas to be recovered from the Doyle Hartman Langlie "A" State No. 2 is estimated to be 11 MMCF, the increased ultimated recovery is 63 MMCF. The estimate of increased recovery for the Doyle Hartman Langlie "A" No. 3 was accomplished as follows:

(1) Well logs for the Doyle Hartman Langlie "A" No. 3 were analyzed, resulting in the following:

Mean Porosity, Fraction of Bulk Volume	0.180
Mean Connate Water Saturation, Fraction of Net Effective Pore Volume	0.27
Net Effective Pay Thickness, Feet	34.

Since the gross pay thickness constituting potential gas reservoir for the langlie "A" No. 3 is 63 feet, the above represents a net effective pay thickness to gross pay thickness ratio of 54 percent.

(2) The production test for the Doyle Hartman Langlie No. 3 performed on December 27, 1982, was analyzed, resulting in the following:

Stabilized Deliverability Coefficient, MCF/day per psia ² ,	0.010720
Initial Stabilized Wellhead Shut-in Pressure (Pc), psia	128.2
Initial Gas Formation Volume Factor scf/rcf	8.71

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

Original Gas-in-Place

MMCF/Acre	1.696
MMCF/80 Acres	135.7
Estimated Gas Recovery Factor, Fraction of Original Gas-in-Place	0.545
Estimated Ultimate Recovery, MMCF per 80 Acres	74.0

Section c. Other supporting data submitted include the following:

Well Log/Completion Summary for the pre-existing Doyle
Hartman Langlie State "A" No. 2.

Gas Production History Tabulation and Graph for Doyle Hartman
Langlie State "A" No. 2 (the pre-existing well).

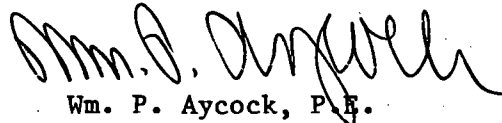
Complete New Mexico Oil Conservation Division (NMOCD) Forms
on file for both the pre-existing Doyle Hartman Langlie State
"A" No. 2 and the Infill Hartman Langlie "A" No. 3.

New Mexico Oil Conservation Division Order No. NSL-1628

New Mexico Department of Energy and Minerals,
Oil Conservation Division
P. O. Box 2088
Page 4

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

Very truly yours,


Wm. P. Aycock, P. E.

WPA/pkm

Enclosures

TABLE NO. 1

SUMMARY OF REQUIRED INFORMATION, RULE 8, EXHIBIT "A", ORDER R-6013-A,
(Sections "a." through "f.")
NATURAL GAS POLICY ACT INFILL FINDINGS, ADMINISTRATIVE PROCEDURE

<u>SECTION OF RULE 8</u>	<u>RULE 8 REQUIREMENT</u>	<u>PRE-EXISTING WELL DOYLE HARTMAN, OPERATOR*</u>	<u>INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR</u>
a.	Lease Name and Well Location	Langlie "A" State No. 2	Langlie "A" No. 3 330' FEL & 1980' FSL
b.	Spud Date	January 3, 1949	December 8, 1982
c.	Completion Date	February 14, 1961 in Jalmat Pool	December 27, 1982
d.	Mechanical Problems	Originally Completed in Langlie Mattix February 6, 1949; Langlie Mattix abandoned February, 1961 due to "fish" with top at 3281'.	None
e.	Current Rate of Production	13.4 MCF/day in October, 1982	C-105: 132 MCF/day
f.	Date of Plug and Abandonment	Not Plugged	Not Plugged

*Drilled by Shell Oil Company; Operator changed to Petroleum Corporation of Texas June 1, 1970; Doyle Hartman became Operator November 2, 1982.

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

NEW MEXICO OIL CONSERVATION COMMISSION

DEC 6 1982

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease

STATE ☒ FEDERAL ☐

5. State Oil & Gas Lease No.

B-1167

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. Type of Well

OIL WELL ☒

GAS WELL ☐

OTHER

c. Name of Operator

Doyle Hartman

d. Address of Operator

Post Office Box 10426, Midland, Texas 79702

e. Location of Well

UNIT LETTER I

LOCATED 1980

FEET FROM THE

OIL CONSERVATION DIVISION
SANTA FE LINE

ND 330

FEET FROM THE East

LINE OF SEC. 36

TWP. 24S

RGE. 36E

NMPM

7. Unit Agreement Name

8. Farm or Lease Name

Langlie "A"

9. Well No.

3

10. Field and Pool, or Wildcat

Jalmat (Oil)

12. County

Lea

19. Proposed Depth

3400

19A. Formation

Yates-Seven Rivers

20. Rotary or C.T.

Rotary

1. Elevations (Show whether DF, RT, etc.)

3254.3 GL

21A. Kind & Status Plug. Bond

Multi Well-Approved

21B. Drilling Contractor

Cactus

22. Approx. Date Work will start

December, 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	36.0	400	300	Surface
8-3/4	7	23.0	3400	700	Surface

This proposed well will be drilled to a total depth of 3400 feet and will be evaluated for Jalmat (Yates-Seven Rivers) oil potential. In the event that the well is not completed as a Jalmat (Oil) producer, the well will be completed as a Jalmat Gas producer on a previously existing 80-acre Jalmat Gas proration unit consisting of NE/4 SE/4 and SE/4 NE/4 of Section 36. 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 been previously dedicated to El Paso Natural Gas Company.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 6/3/83
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.

Signed Larry G. Nix Title Engineer Date November 24, 1982

(This space for State Use)

PROVED BY ORIGINAL SIGNED BY TITLE JERRY SEXTON DATE DEC 3 1982
CONDITIONS OF APPROVAL DISTRICT 1 SUPR.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION AT

Form OCS-1
Superseded OCS-2
Effective 10-1-79

Well location must be from the outer boundaries of the Section

DOYLE HARTMAN

LANGLIE "A"

3

1

36

24 SOUTH

36 EAST

LEA

1980

SOUTH

330

EAST

3254.3

Yates-Seven Rivers

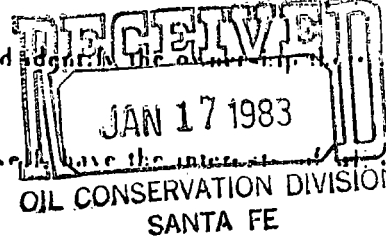
Jalmat (Oil)

40

Define the acreage dedicated to the subject well by colored pencil or hatchure marks on the plot below

If more than one lease is dedicated to the well, outline each and identify the owner, type of lease, as to working interest and royalty

If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, leasepooling, etc?



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

If a summary of the leases and tract descriptions which have actually been consolidated, (Use reverse side of this form if necessary)

A leasepooling unit, as good to the well until all interests have been consolidated, then communitization, unitization, leasepooling, or otherwise, until a non-standard unit, eliminating such interests, has been approved by the Commis-

CERTIFICATION

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

Larry A. ...

Engineer

Doyle Hartman

November 23, 1982

I hereby certify that the well location shown on this plot 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

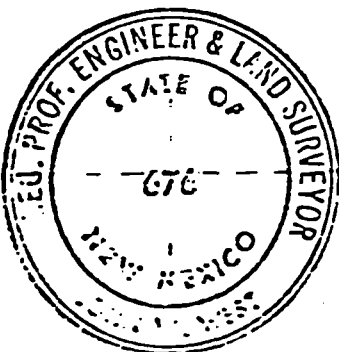
November 16, 1982

Registered Professional Engineer

John W. West

Certificate No.

John W. West, N.M. 5676



330

1980



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

December 6, 1982

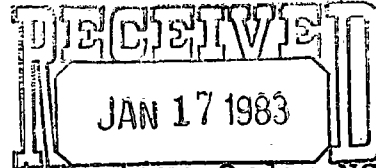


POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

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

Attention: Larry A. Nermyr

DEC 13 1982



Administrative Order NSL-1628
OIL CONSERVATION DIVISION
SANTA FE

Gentlemen:

Reference is made to your application for approval of a non-standard location for your Langlie "A" Well No. 3 located 1980 feet from the South line and 330 feet from the East line of Section 36, Township 24 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Also, you are hereby authorized to simultaneously dedicate an existing 80-acre proration unit comprising the NE/4 SE/4 and SE/4 NE/4 of said Section 36 to the above-described well and your Langlie "A" State Well No. 2 located in Unit H of said Section 36. Further, you are hereby permitted to produce the allowable from any of the wells on the proration unit in any proportion.

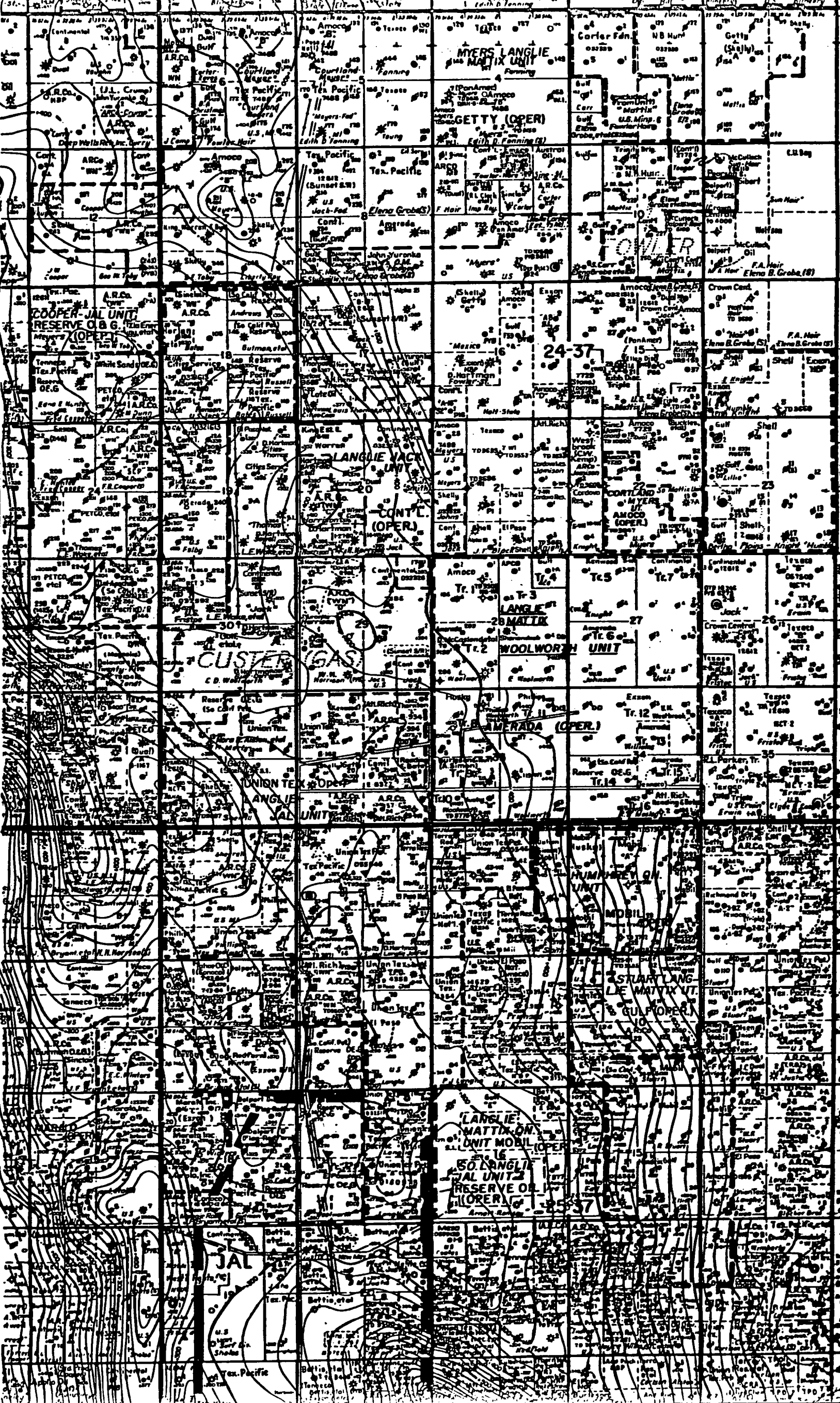
By authority granted me under the provisions of Rule 3 of Order No. R-1670, the above-described unorthodox location is hereby approved.

Sincerely,

JOE D. RAMEY,
Director

JDR/RLS/dr

cc: Oil Conservation Division - Hobbs
Oil & Gas Engineering Committee - Hobbs
Oil & Gas Division - State Land Office - Santa Fe



GAS PRODUCTION HISTORY

Date 11-2-82

Page 1 of 1

Operator: Doyle Hartman/Petroleum Corp. of Texas

Well: Langlie "A" State No. 2

Location: H-36-24S-36E

Pool: _____ Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas):

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

Remarks: Recompleted Jalmat (Gas) 1970 - change in operator 11/82

[illegible]

19 82 Detail Summary

Jan. <u>343</u>	July <u>403</u>
Feb. <u>259</u>	Aug. <u>399</u>
March <u>378</u>	Sept. _____
April <u>368</u>	Oct. _____
May <u>391</u>	Nov. _____
June <u>380</u>	Dec. _____

19_____ Detail Summary

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

Production (Y-T-D) _____

Days or Months (Y-T-D) _____

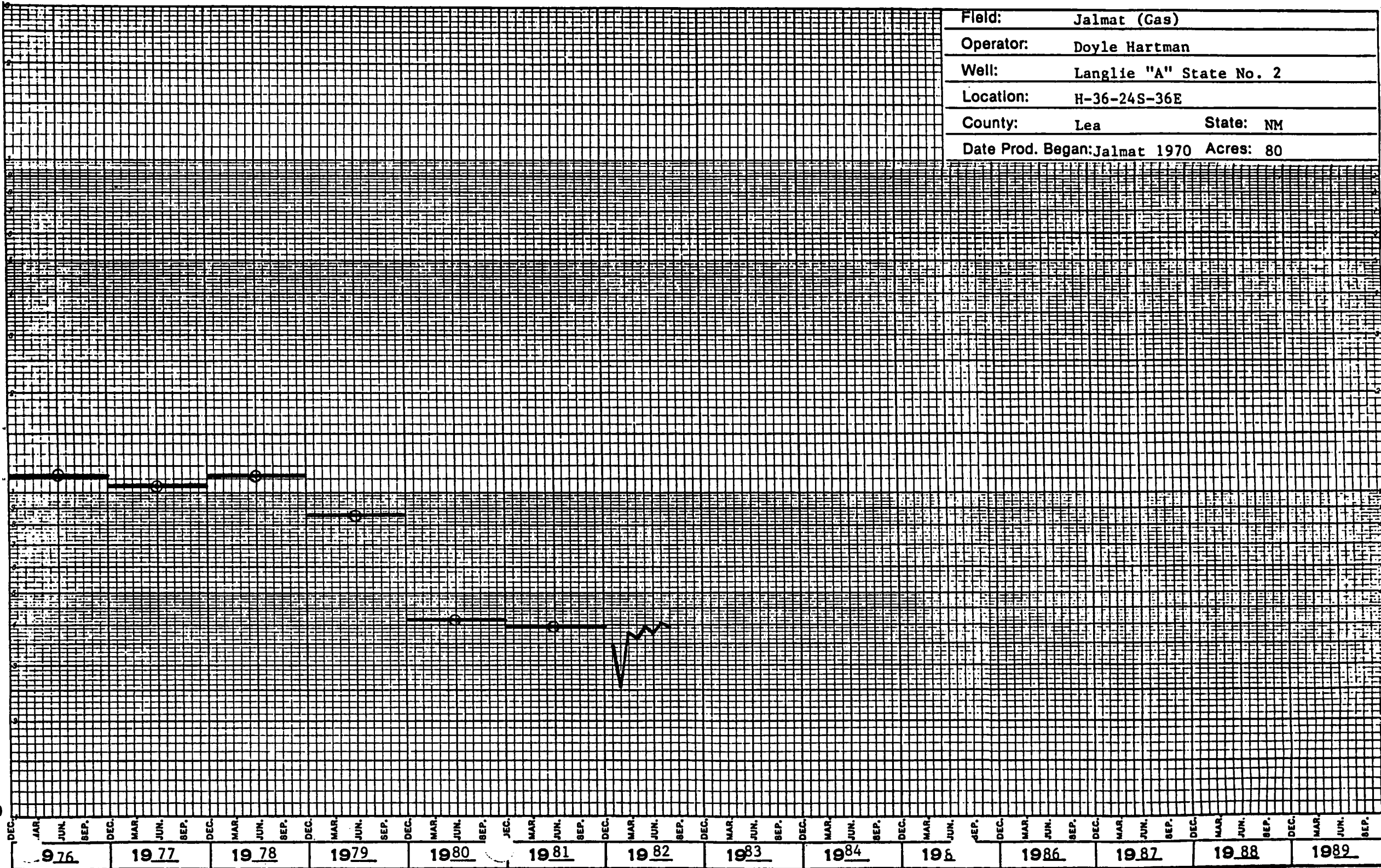
Avg. Rate (Y-T-D) _____

Gas Production - (CF/month

10000

1000

100



Field:	Jalmat (Gas)		
Operator:	Doyle Hartman		
Well:	Langlie "A" State No. 2		
Location:	H-36-24S-36E		
County:	Lea	State:	NM
Date Prod. Began:	Jalmat 1970	Acres:	80

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

sent 12/27/82

Form O-105
Revised 10-78

1. Indicate Type of Lease
State ☒ Federal ☐

2. State Oil & Gas Lease No.

3. Tract Acreage Name

4. Farm or Lease Name

Langlie "A" State

5. Well No.

3

6. Field and Pool, or Wildcat

Jalmat (Gas)

7. County

Lea

TYPE OF COMPLETION
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RECVR. ☐ OTHER ☐

Name of Operator
Doyle Hartman

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

Location of Well

Section I LOCATED 1980 FEET FROM THE South LINE AND 330 FEET FROM

East LINE OF SEC. 36 TWP. 24S RGE. 36E

Date Drilled 12/8/82 16. Date T.D. Reached 12/15/82 17. Date Completed (Ready to Prod.) 12/27/82 18. Elevations (DF, RKs, RT, GR, etc.) 3254.3 GL 19. Elev. Casinghead 3254

Total Depth 3367 21. Plug Back T.D. 3039 22. If Multiple Compl., How Many --- 23. Intervals Drilled By Rotary Tools 0-3367 Cable Tools ---

Producing Interval(s), of this completion - Top, Bottom, Name 2785-2877 w/20 (Yates) 25. Was Directional Survey Made yes

Type Electric and Other Logs Run CDL-DSN-GR and Guard Forxo 27. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.0	401	12 1/4	250 sx (circ)	none
7"	23.0	3366	8 3/4	675 sx (circ)	none

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	3007	---

Perforation Record (Interval, size and number)

20 holes with one shot each at: 2785, 2789, 2794, 2798, 2802, 2810, 2813, 2816, 2825, 2831, 2834, 2838, 2842, 2845, 2848, 2863, 2867, 2870, 2873, 2877

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2785-2877	A/ 5300 Gal. 15% MCA

PRODUCTION

First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)	
12/24/82		Pumping 6 SPM, 64" stroke, 1-1/4" pump					Shut-in	
Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio	
12/26/82	24	22/64	→	---	132	6	---	
Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)		
---	FCP=51 psi.	→	---	132	6	---		
Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By		
Vented						Harold Swain		

List of Attachments

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 Henry C. Jensen TITLE Engineer DATE 12/27/82



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-completed or deepened well. It shall be accompanied by one copy of all lithological and resistivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured by this. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate 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	1110	T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt	1212	T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
U. Salt	2630	T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates	2783	T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers	2992	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 Qizte	
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. Todillo		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	2785	to	2877	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
1110	1212	102	Anhydrite				
1212	2630	1418	Salt and Anhydrite				
2630	2783	153	Dolomite and Anhydrite				
2783	2992	209	Dolomite and Sandstone				
2992	3364	372	Dolomite and Sandstone				

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
Effective 1-1-63

Sent 12/27/82

Doyle Hartman

Address

P. O. Box 10426 Midland, Texas 79702

Reason(s) for filing (Check proper box)

New Well ☒

Recompletion ☐

Change in Ownership ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain)

JAN 17 1983

OIL CONSERVATION DIVISION
SANTA FE

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Langlie "A" State	3	Jalmat (Gas)	State, Federal or Fee State	B-1167
Location				
Unit Letter	I	1980	Feet From The South	Line and 330
		Feet From The East		
Line of Section	36	Township	24S	Range 36E
		NMPM,		Lea
				County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	No Jan. 1983

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.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
12/8/82	12/27/82	3367	3039					
Elevations (DF, RAB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
3254.3 GL	Yates	2785	3007					
Perforations	Depth Casing Shoe							
2785 - 2877 (Yates)	3366							

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4	9 5/8	401	250 sx (circ)
8 3/4	7	3366	675 sx (circ)

TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test-MCF/24	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
132	24 hours	---	---
Testing Method (pilot, back pr.)	Tubing Pressure (Start-In)	Casing Pressure (Start-In)	Choke Size
Office Tester	---	FCP=51 psi (SOP=115)	22/64

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.

Langlie G. Hartman
(Signature)

Engineer

DECEMBER 27, 1982
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, IS

BY _____

TITLE _____

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

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviatoric 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 conditions.

Separate Form C-104 must be filed for each pool in multiply completed wells.

INCLINATION REPORT

OPERATOR DOYLE HARTMANADDRESS P.O. BOX 10426, MIDLAND, TEXAS 79702LEASE NAME LANGLIE A WELL NO. 3 FIELD DEC 21 1982LOCATION LANGLIE A #3

DEPTH	ANGLE INCLINATION DEGREES	DISPLACEMENT	DISPLACEMENT ACCUMULATED
430	$\frac{1}{4}$	1.8920	1.8920
960	$\frac{3}{4}$	6.9430	8.8350
1556	$\frac{3}{4}$	7.8076	16.6426
2115	1 $\frac{3}{4}$	17.0495	33.6921
2617	2 $\frac{3}{4}$	24.0960	57.7881
2708	2 $\frac{3}{4}$	4.3680	62.1561
3000	2	10.1908	72.3469
3367	1 $\frac{1}{2}$	9.6154	81.9623

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COMPANY

Debbie Clark

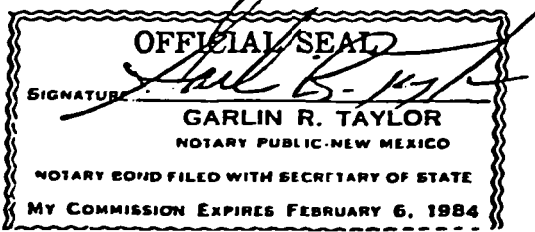
TITLE DEBBIE CLARK, OFFICE MANAGER

AFFIDAVIT:

Before me, the undersigned authority, appeared DEBBIE CLARK known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

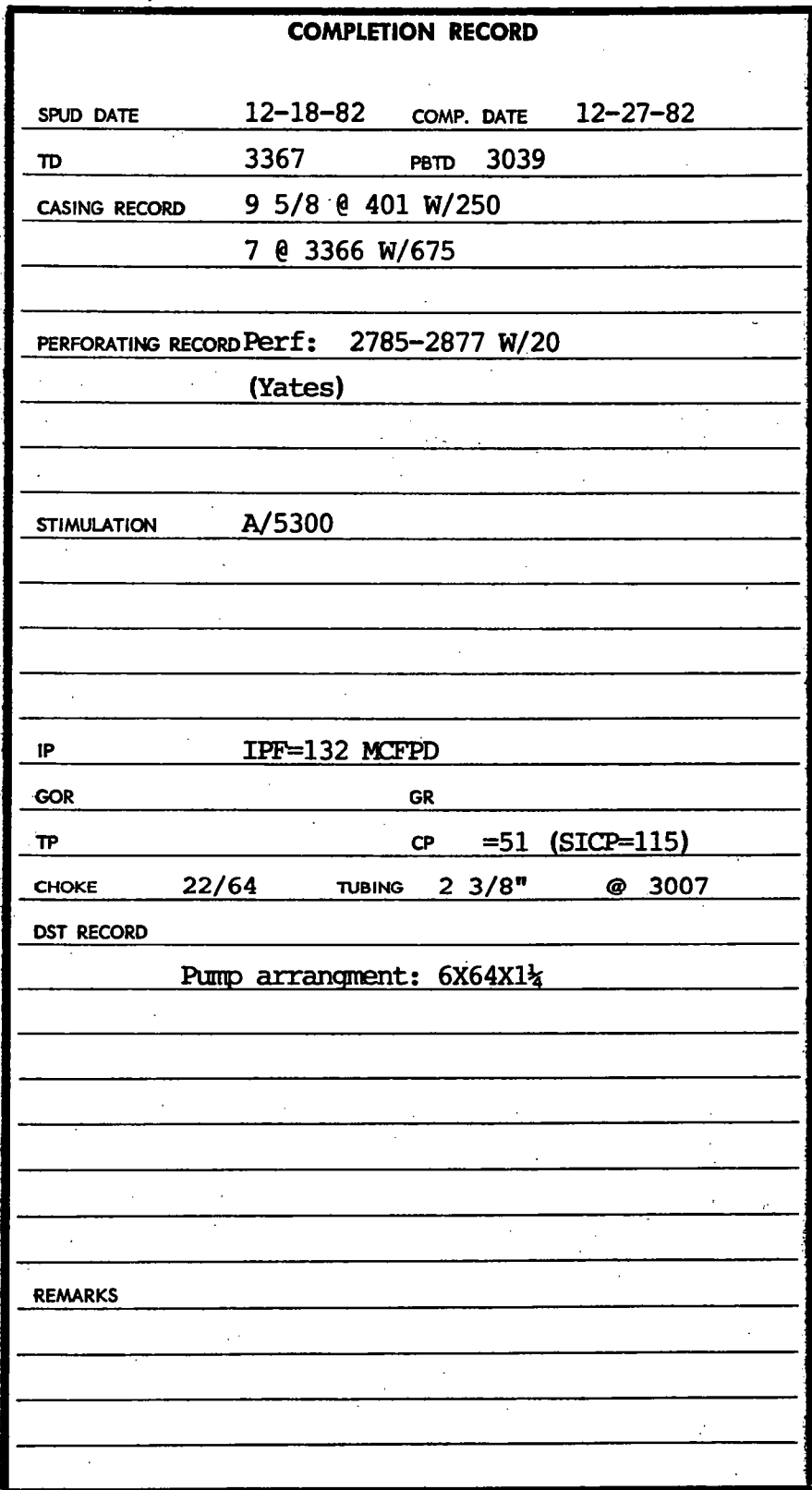
Debbie Clark
AFFIANT'S SIGNATURE

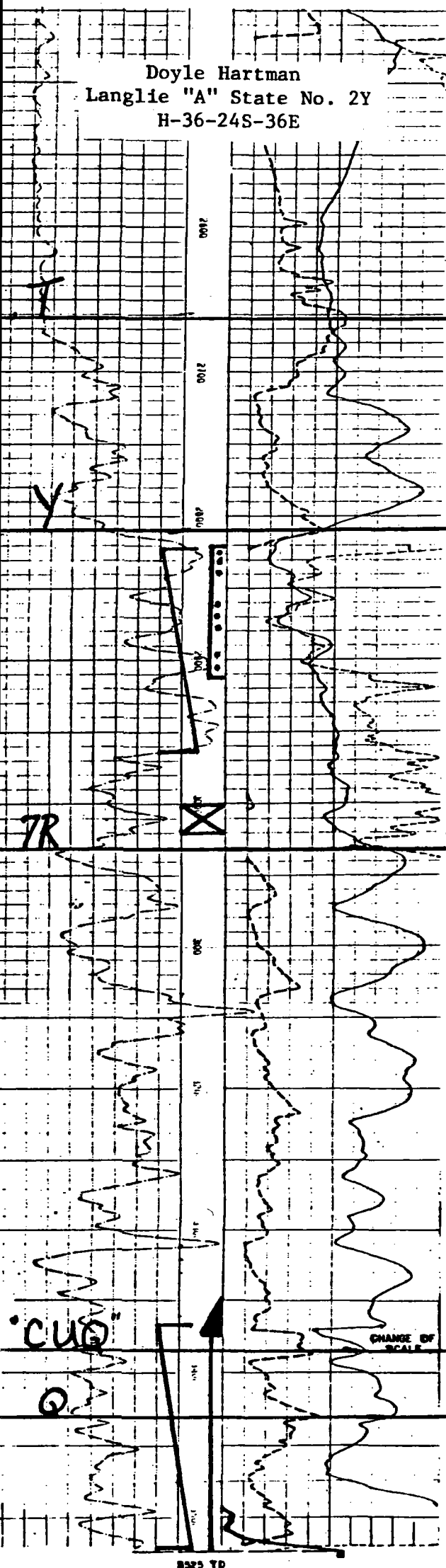
Sworn and subscribed to in my presence on this the 20TH day of DECEMBER, 1982



Notary Public in and for the County
of Lea, State of New Mexico

SEAL





COMPANY	Doyle Hartman (Petco, Shell)
WELL	Langlie "A" State No. 2Y (Shell State No. 2A)
FIELD	Jalmat (Gas)
LOCATION	1980 FNL & 735 FEL (H) Section 36, T-24-S, R-36-E
COUNTY	Lea
STATE	New Mexico
ELEVATIONS:	KB _____ DF 3265 GL _____

COMPLETION RECORD			
SPUD DATE	1-3-49	COMP. DATE	2-6-49
TD	3525	PBTD	
CASING RECORD	8 5/8 @ 365 5 1/2 @ 3375		
PERFORATING RECORD OH: 3375-3525			
STIMULATION Natural			
IP	IPF=50 BOPD + 2 BWPD		
GOR	GR		
TP	410	CP	520
CHOKE	16/64	TUBING	@
DST RECORD	DST 2822-2963: OP 0:40. GTS 2 min @ 2900 MCFPD. FP=900. DST 3368-3525: OP 3:20. FTS in 40 min @ 100 BFPD. 40% Oil. 2-14-61 PB @ 3000. Perf 2825-2912 W/10. SF/27000. CAOF: 2200 MCFPD. Well completed as Jalmat (Gas) producer.		
REMARKS			
1-1-82 Cum: 678.1 MMCF			
10-82 Prod: 13 MCFPD			

DOYLE HARTMAN
P.O. BOX 10426, MIDLAND, TEXAS 79702

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

DOYLE HARTMAN
FBI # 67-10426-1

NOV 17 1982

RECEIVED
JAN 17 1983

Operator: DOYLE HARTMAN
Address: P.O. BOX 10426, MIDLAND, TEXAS 79702
Reason(s) for filing (check proper box):
New Well ☐ Change in Transporter of: Oil ☐ Dry Gas ☐
Recompletion ☐ Casinghead Gas ☐ Condensate ☐
Change in Ownership ☒

If change of ownership give name and address of previous owner: Petroleum Corporation of Texas, P. O. Box 911, Breckenridge, Texas 762

DESCRIPTION OF WELL AND LEASE
Lease Name: Langlie "A" State Well No.: 2 Pool Name, including Formation: Jalmat-Yates (Gas) Kind of Lease: State, Federal or Fee State Lease No.: B-1167
Location: Unit Letter H : 1980 Feet From The North Line and 735 Feet From The East
Line of Section: 36 Township: 24S Range: 36E NMPM, 1 ea 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 Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent):
El Paso Natural Gas Company Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks. Unit: Sec.: Twp.: Pge.: Is gas actually connected? When:
Yes 2-14-61

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 Res'v. Diff. Res'
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 (Initial, back pr.) Tubing Pressure (Shut-in) Casing Pressure (Shut-in) Choke Size

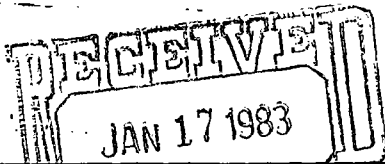
CERTIFICATE OF COMPLIANCE
I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature: [Signature]
ENGINEER
NOVEMBER 2, 1982

OIL CONSERVATION COMMISSION
NOV 15 1982
APPROVED: [Signature]
BY: [Signature]
TITLE: OIL & GAS INSPECTOR
This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
AND 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 <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

DIVISION
SANTA FE

OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>
Name of Operator Petroleum Corporation of Texas		
Address of Operator Box 911, Breckenridge, Texas 76024		
Location of Well UNIT LETTER <u>H</u> <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>735</u> FEET FROM THE <u>East</u> LINE, SECTION <u>36</u> TOWNSHIP <u>24S</u> RANGE <u>36E</u> NMPM.		

7. Unit Agreement Name <u>716</u>
8. Farm or Lease Name Langlie State "A" <u>State</u>
9. Well No. 2Y
10. Field and Pool, or Wildcat Jalmat (Gas)
12. County Lea

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

3265' DF

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <u>Plug off Langlie Mattix Zone</u> <input checked="" type="checkbox"/>

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1708.

- 1-3-72 MIRU well service unit. Pulled and laid down sucker rods. Pulled 2955' 1½" tubing and 284' 1½" tubing.
- 1-4-72 Swab down 2-7/8" tubing. Otis set retrievable plug in Type S-1 landing nipple @ 2920'. (This isolates Langlie Mattix zone - temporarily abandoned). Otis opened sliding sleeve in 2-7/8" tubing @ 2814'. Pull one swab run and shut in for night.
- 1-5-72 Swab Jalmat zone through tubing.
- 1-6-72 Swab Jalmat zone, zone kicked off, placed on pipe line for production. Release well service unit.

This is a single completion from Jalmat zone.

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

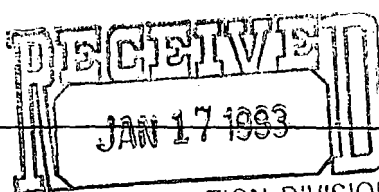
WITNESSED BY <u>Mary B. Taylor</u>	TITLE <u>Production Clerk</u>	DATE <u>6-6-73</u>
APPROVED BY <u>John W. Ramsey</u>	TITLE <u>Geologist</u>	DATE <u>6-6-73</u>
CONDITIONS OF APPROVAL, IF ANY:		

11-30 20-30

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	GAS	
OPERATOR		
PRODUCTION OFFICE		

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

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



Operator
Petroleum Corporation of Texas

Address
P. O. Box 911, Breckenridge, Texas 76024

OIL CONSERVATION DIVISION
SANTA FE

Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Operator change to be effective June 1, 1970. Name change on lease from State "A" to Langlie State "A"
Recompletion <input type="checkbox"/>	
Change in Ownership <input checked="" type="checkbox"/>	
Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	

If change of ownership give name and address of previous owner **Shell Oil Company, Box 1509, Midland, Texas 79701**

DESCRIPTION OF WELL AND LEASE

Lease Name Langlie State "A" State	Well No. 2Y	Pool Name, including Formation Jalmat (Gas)(Yates) Langlie Mattix	Kind of Lease State, Federal or Fee State
Location Unit Letter H ; 1980 Feet From The North Line and 735 Feet From The East Line of Section 36 , Township 24S Range 36E , NMPM, Lea County			

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) Box 1510, Midland, Texas 79701
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> and Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks. Unit H Sec. 36 Twp. 24S Rge. 36E	Is gas actually connected? Yes When 2-14-61

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

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Pool	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

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

CERTIFICATE OF COMPLIANCE

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

Mary B. Taylor
(Signature)

Production Clerk

July 1, 1970

OIL CONSERVATION COMMISSION

APPROVED **JUL 7 1970**, 19
BY **[Signature]**
TITLE **SUPERVISOR DISTRICT**

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

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

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

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

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	GAS
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NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE

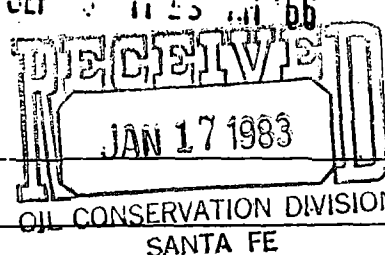
AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104

Supersedes Old C-104 and C-1

Effective 1-1-65

Operator
Shell Oil Company (Western Division)Address
P. O. Box 1509, Midland, Texas 79701

Reason(s) for filing (Check proper box)

New Well	<input type="checkbox"/>	Change in Transporter of:	Change in Lease Name
Recompletion	<input type="checkbox"/>	Oil <input type="checkbox"/>	From: State #2Y
Change in Ownership	<input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	To: State A #2Y

If change of ownership (give name and address of previous owner)

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease
State A	2Y	Jalmat (Gas) Yates	B-1167 State, Federal or Fee State
Location			
Unit Letter H ; 1980 Feet From The North Line and 735 Feet From The East			
Line of Section 36 , Township 24S Range 36E , NMPM, Lea County			

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Texas-New Mexico Pipe Line Company	P. O. Box 1510, Midland, Texas 79701
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	H B6 24S 36E Yes February 14, 1961

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

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations		Depth Casing Shoe						
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

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

CERTIFICATE OF COMPLIANCE

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

K. W. Lagrone
(Signature)
Division Production Superintendent

September 8, 1966

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY _____
TITLE _____

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

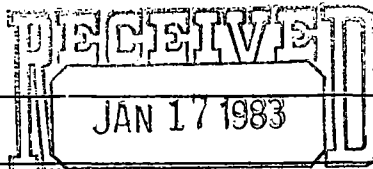
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NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE

AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-105
Effective 1-1-65Operator
Shell Oil Company (Western Division)Address
P. O. Box 1509, Midland, Texas 79701OIL CONSERVATION DIVISION
SANTA FE

Reason(s) for filing (Check proper box)

New Well ☐
Recompletion ☐
Change in Ownership ☐

Change in Transporter of:

Oil ☐ Dry Gas ☐
Casinghead Gas ☐ Condensate ☐

Other (Please explain)

Change in Lease Name.

From: State #2Y
To: State A #2Y

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name State A	Well No. 2Y	Pool Name, including Formation Langlie-Mattix 11/11/11 Queen	Kind of Lease B-1167 State, Federal or Fee State
Location Unit Letter H : 1980 Feet From The North Line and 735 Feet From The East Line of Section 36 , Township 24S Range 36E , NMPM, Lea County			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1510, Midland, Texas 79701					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1384, Jal, New Mexico 88252					
If well produces oil or liquids, give location of tanks.	Unit I	Sec. 36	Twp. 24S	Rge. 36E	Is gas actually connected? Yes	When February 1954

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

V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res't.	Diff. Res't.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Pool	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

VI. 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.	Gcs - MCF

GAS WELL

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

VII. 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.

K. W. Lagrone K. W. Lagrone
(Signature)
Division Production Superintendent
(Title)

September 8, 1966
(Date)

OIL CONSERVATION COMMISSION

APPROVED SEP 10 1966, 19

BY
TITLE

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

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

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

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

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NEW MEXICO OIL CONSERVATION COMMISSION

JUN 21 12 59 PM '66
JAN 17 1983

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.

66 B-1167

SUNDRY NOTICES AND REPORTS ON WELLS

SANTA FE

(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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- 2. Name of Operator Shell Oil Company (Western Division) 3. Address of Operator P. O. Box 1509, Midland, Texas 79701 4. Location of Well UNIT LETTER <u>H</u> , <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>735</u> FEET FROM THE <u>east</u> LINE, SECTION <u>36</u> TOWNSHIP <u>24S</u> RANGE <u>36E</u> NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) 3265' DF	7. Unit Agreement Name - 8. Farm or Lease Name State 9. Well No. 2Y 10. Field and Pool, or Wildcat Jalmat (Gas) 12. County Lea
--	---

16. 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 checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <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 1703.

May 4, 1966 thru May 20, 1966
Treated via tubing - casing annulus w/2500 gallons 15% Unisol and flushed w/48 bbls
9#/gallon Brine w/2 gallons LST-5, all containing 1500 cu. ft./bbl. CO₂.
Turned to El Paso line and stabilized production.
Flowed at rate of 1255 MCFPD. FTP 100 psi.

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

SIGNED N. W. Harrison N. W. Harrison TITLE Senior Exploitation Engineer DATE June 20, 1966

APPROVED BY [Signature] SIGNED BY [Signature] DATE [Signature]

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION, C. C.

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

MAIN OFFICE OCC

MAY 9 11 06 PM '66

MAY 4 1 06 PM '66

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	B-1167
7. Unit Agreement Name	
8. Farm or Lease Name	State
9. Well No.	2Y
10. Field and Pool, or Wildcat	Jalmar (Gas)
12. County	Lea

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

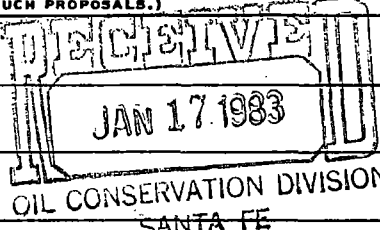
OIL WELL ☐ GAS WELL ☒ OTHER ☐

1. Name of Operator
Shell Oil Company (Western Division)

2. Address of Operator
P. O. Box 1509, Midland, Texas 79701

3. Location of Well
UNIT LETTER H , 1980 FEET FROM THE north LINE AND 735 FEET FROM
THE east LINE, SECTION 36 TOWNSHIP 24S RANGE 36E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3265' DF



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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input 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 <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

7. 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.

We propose to treat via tubing-casing annulus w/2500 gallons 15% Unisol and flush w/2000 gallons salt water w/2 gallons LST-5 in flush to increase capacity.

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

SIGNED N. W. Harrison N. W. Harrison TITLE Senior Exploitation Engineer DATE May 3, 1966

APPROVED BY [Signature] TITLE [Signature] DATE [Signature]

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. BOX 2045

HOBBS, NEW MEXICO

DATE June 13, 1961

TO:

RE: GAS WELLS

Shell Oil Company

This is:

Box 1858

A New Gas Well ()
An Oil Well Converted to Gas ()
An Oil-Gas Dual (X)
A Gas-Gas Dual ()

Roswell, New Mexico

Gentlemen:

Form C-104 has been received on your State #2-A H 36-24-36
Lease Well No. Unit S-T-R

☐ But no allowable can be assigned this well until the following forms have been received:

Form C-104 _____

Form C-110 _____

Form C-128 _____

NSP Order _____

Notice of Connection _____

Deliverability Test _____

☒ And a 80 acre allowable will be assigned in the Jalmat Pool under Order No: DC-1044.

Filed 2-22-61

Filed 2-22-61

Filed 2-22-61

Approved 3-1-61

Date of Connection 5-12-61

Filed 2-22-61

DC Order 3-1-61

OIL CONSERVATION COMMISSION


Engineer District 1

Original-Operator
cc-File

Original-OCC, Santa Fe
cc-File, Operator &
Transporter--- EP

OIL CONSERVATION COMMISSION

P. O. BOX 871
SANTA FE, NEW MEXICO

March 1, 1961

Shell Oil Company
P. O. Box 845
Roswell, New Mexico

Attention: Mr. R. L. Rankin

Administrative Order NSP-525

Gentlemen:

Reference is made to your application for approval of an 80-acre non-standard gas proration unit in the Jalmat Gas Pool consisting of the following acreage:

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM
Section 36: SE/4 NE/4 and NE/4 SE/4

It is understood that this unit is to be dedicated to your Shell State 2 A Well, located in Unit H of said section 36.

By authority granted me under provisions of Order No. R-1670, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with the pool rules, based upon the unit size of 80 acres.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/OEP/og

cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs
El Paso Natural Gas Company - El Paso

OIL CONSERVATION COMMISSION

**P. O. BOX 871
SANTA FE, NEW MEXICO**

March 1, 1961

**Shell Oil Company
P. O. Box 845
Roswell, New Mexico**

Gentlemen:

Enclosed herewith please find Administrative Order NO. DC-1044 for your State Well No. 2A located in the SE/4 NE/4 of Section 36, Township 24 South, Range 36 East, NMPM, Lea County, New Mexico, to permit the production of gas from the Jalmat Gas Pool and the production of oil from the Langlie-Mattix Pool.

Very truly yours,

**A. L. PORTER, Jr.,
Secretary-Director**

ALP/JEK/og

**cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs**

C
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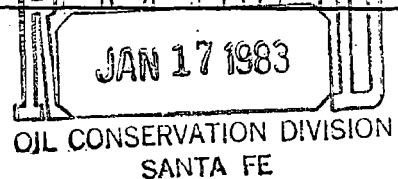
NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

FORM C-110
(Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator Shell Oil Company				Lease State Well No. 2A	
Unit Letter H	Section 36	Township 21S	Range 36E	County Lea	
Pool Langlie-Mattix (oil) - Jalmat (Gas)				Kind of Lease (State, Fed, Fee) State	
If well produces oil or condensate give location of tanks		Unit Letter H	Section 36	Township 21S	Range 36E
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company			Address (give address to which approved copy of this form is to be sent) P. O. Box 374, Eunice, New Mexico		
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/> El Paso Natural Gas Company		Date Con- nected	Address (give address to which approved copy of this form is to be sent) P. O. Box 1384, Jal, New Mexico		

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



REASON(S) FOR FILING (please check proper box)

- | | |
|--|--|
| New Well <input type="checkbox"/> | Change in Ownership <input type="checkbox"/> |
| Change in Transporter (check one) | Other (explain below) |
| Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> | |
| Casing head gas <input type="checkbox"/> Condensate <input type="checkbox"/> | |

Remarks

Dual Completion - Langlie-Mattix (Oil)
Jalmat (Gas)
2-14-61

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

Executed this the 20th day of February, 1961

OIL CONSERVATION COMMISSION		By
Approved by		R. A. Lowery R.A. Lowery
Title		District Exploitation Engineer
Company		Shell Oil Company
Address		Box 845, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

Dual ~~Recompletion~~

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in 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 new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Roswell, New Mexico

February 20, 1961

(Place)

(Date)

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

Shell Oil Company

State

Well No. 2A

in SE

NE

1/4

(Company or Operator)

(Lease)

H

Sec. 36

T. -24-S

R. -36-E

NMPM.

Jalpat

Pool

Unit Letter

Lea

County. Date Spudded 1-29-61

operation started operation Date Drilling Completed 2-11-61

Elevation 3265'

Total Depth 3525'

PBTD -

Top Oil/Gas Pay 2825'

Name of Prod. Form.

Yates

PRODUCING INTERVAL -

2825' - 2837', 2848' - 2854';

Perforations 2865' - 2867', 2874' - 2880', 2906' - 2912'

Open Hole -

Depth

Casing Shoe 3375'

Depth

Tubing 3264'

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs, min. Size

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): bbls. oil, bbls water in hrs, min. Size

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: 2.200 MCF/Day; Hours flowed 24

Choke Size 28/64" Method of Testing: Absolute Open Flow

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand), 250 G. MCA, 27,000 G. lease crude, 45,090# sand, 900# Mark II

Casing Tubing Date first new Adomite
Press. Press. oil run to tanks February 11, 1961

Oil Transporter Texas-New Mexico Pipe Line Company

Gas Transporter El Paso Natural Gas Company

Remarks:

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

Approved _____, 1961

Shell Oil Company

(Company or Operator)

R. A. Lowery

By:

(Signature)

Title District Exploitation Engineer

Send Communications regarding well to:

Name Shell Oil Company

Address Box 845, Roswell, New Mexico

OIL CONSERVATION COMMISSION

By: _____

Title _____

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

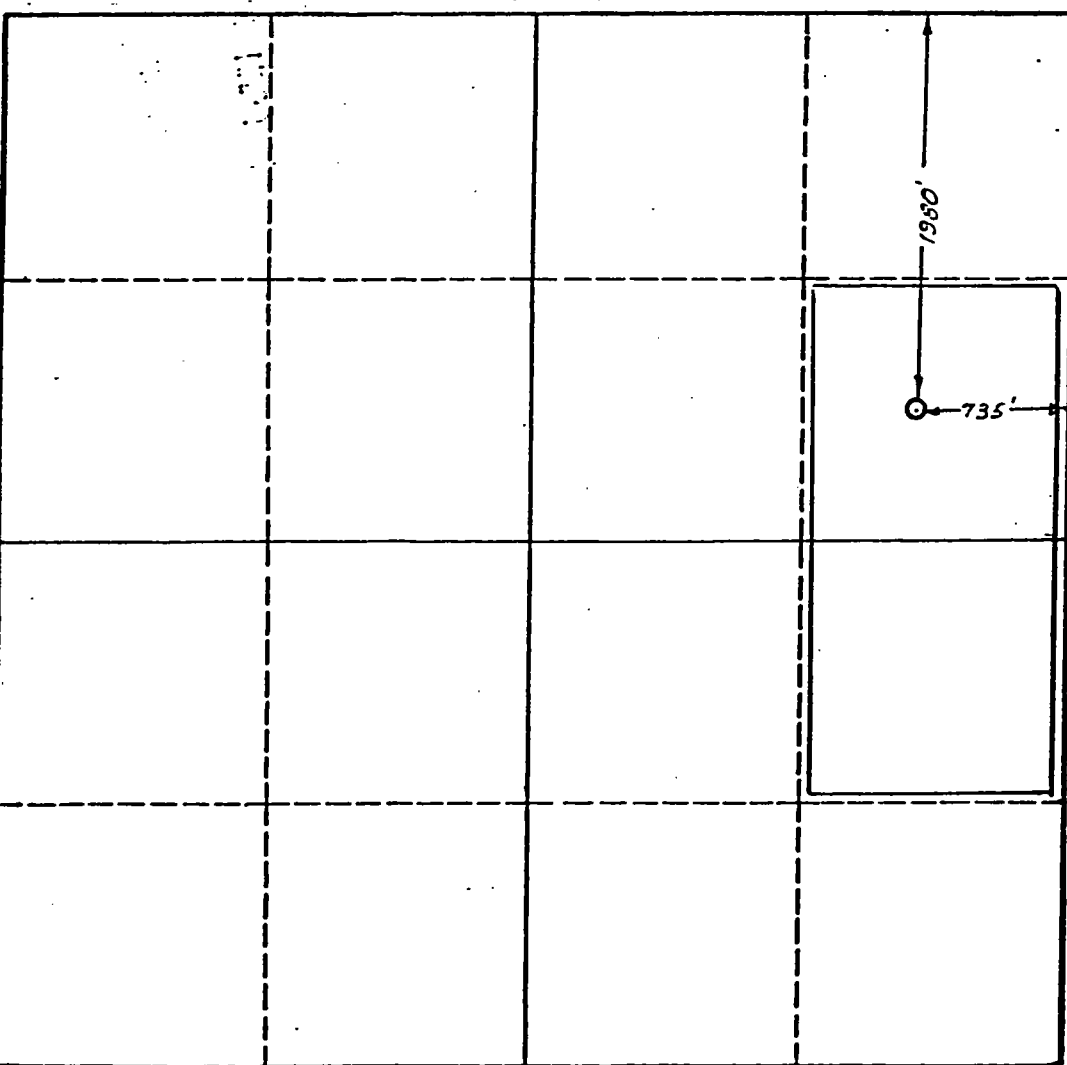
SECTION A

Operator	Shell Oil Company			Lease	State		Well No.	2A 32	
Unit Letter	H	Section	36	Township	24S	Range	36E	County	Lea
Actual Footage Location of Well:									
1980 feet from the north line and 735 feet from the east line									
Ground Level Elev.	3255'			Producing Formation	Yates		Pool	Jalmat	
							Dedicated Acreage:	80	Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

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

Name
R. A. Lowery
Position
District Exploitation Engineer
Company
Shell Oil Company
Date
February 20, 1961

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

Date Surveyed
Registered Professional Engineer and/or Land Surveyor
Certificate No.

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
STATE	
FILE	
U.S.S.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

FORM C-103
(Rev 3-55)

(Submit to appropriate District Office as per Commission Rule J106)

Name of Company Shell Oil Company		Address Box 845, Roswell, New Mexico					
Lease State	Well No. 2A	Unit Letter H	Section 36	Township 24S	Range 36E		
Date Work Performed 1-29-61 thru 2-14-61	Pool Langlie-Mattix - Jalmat			County Lea			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☒ Other (Explain):
☐ Plugging ☐ Remedial Work Dual Completion

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

DUAL COMPLETION LANGLEIE-MATTIX (OIL) * JALMAT (GAS)

1. Pulled rods, pump & tubing.
2. Ran GR/N, CGL Survey 3281' - 2500'.
3. Top of fish @ 3281'.
4. Ran Baker Model FA packer on wireline & set @ 3000'.
5. Dumped 7 1/2' frac sand on top of packer. Ran 2" open ended tubing to 2941'.
6. Loaded casing annulus w/oil Pressure tested 5 1/2" casing to 3600 psi/30 minutes/OK.
7. Spotted 250 gallons 15% MCA on bottom, pulled 2" tubing.
8. Perforated 5 1/2" casing 2825' - 2837', 2848' - 2854', 2864' - 2867', 2874' - 2880', 2906' - 2912' w/1-1/2" JSPP.
9. Treated w/27,000 gallons lease oil containing 1/67# sand & 1/30# Mark II Adomite/gallon in 3 stages using ball sealers.
10. Ran 95 jts. (2867') 2 1/2", 6.5#, SH, EUE, N-80 tubing + 60' blast nipples + 262' 2 1/2" tubing tail pipe bull plugged @ 3264'. Baker Seal Assembly 3000', Otis S nipple w/plug in place @ 2920', Otis Blas Nipples 2904' - 2914', 2862' - 2882', 2846' - 2856', 2820' - 2840', Otis Sleeve Valve in open position 2814', 4 Baker Turbulizers spaced approximately

Witnessed by H. B. Brooks	Position Production Foreman	Company (Continued on back of page) Shell Oil Company
------------------------------	--------------------------------	--

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

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

Approved by 	Name R. A. Lowery
Title District Exploitation Engineer	Position District Exploitation Engineer
Date JAN 26	Company Shell Oil Company

60' apart thru perforated zone. Pushed out Baker expendable plug from Model FA packer & latched seal assembly in packer. Set tubing w/10,000# tension. Hydrotested tubing to 5000 psi.

11. On Absolute open flow potential flowed 2.200 million CFGPD based on the following:

<u>Time (hrs.)</u>	<u>MCFPD</u>	<u>CHOKE</u>	<u>CASING PRESSURE</u>
2	404.4	13/64"	435 psi
1 1/2	582.5	16/64"	426 psi
1 1/2	930.0	20/64"	405 psi
2	1169.0	24/64"	380 psi
21	1284.0	28/64"	309 psi

No fluid during test. Official Completion Date February 14, 1961.

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS DBS OFFICE OCC

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

Name of Company Shell Oil Company Address Box 845, Roswell, New Mexico

Lease State Well No. 2A Unit Letter H Section 36 Township 24S Range 36E

Date Work Performed 8-1-59 thru 10-29-59 Pool Langlie-Mattix County Lea

THIS IS A REPORT OF: (Check appropriate block)

☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain):
☐ Plugging ☒ Remedial Work

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

1. Pulled rods, pump & tubing.
2. Ran Worth Well Caliper Survey.
3. Treated open hole 3375' - 3405' via tubing w/1500 gallons 15% acid.
4. Ran Lynes Production Packer on 2" tubing & set packer @ 3405'. Opened slide valve above packer.
5. Ran pump & rods to 3399'.
6. In 24 hours pumped 8 BO + 17 BW w/9-54" SPM.
7. Pulled rods & pump.
8. Treated via casing w/10,000 gallons lease crude containing 1# sand & 0.1# Adomite per gallon.
9. Ran 2" x 1 1/2" x 24' Fluid Packed 3-Tube Bottom Hole Pump & rods to previous setting.
10. Recovered load.
11. In 24 hours pumped 15 BO + 135 BW w/9-54" SPM.

Witnessed by H. B. Brooks Position Production Foreman Company Shell Oil Company

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev. 3265' TD 3525' PBTB - Producing Interval 3375' - 3525' Completion Date 2-24-49

Tubing Diameter 2" Tubing Depth 3518' Oil String Diameter 5 1/2" Oil String Depth 3375'

Perforated Interval(s) -

Open Hole Interval 3375' - 3525' Producing Formation(s) Seven Rivers

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover	2-15-59	8	69.9	54	8738	-
After Workover	10-29-59	15	88.9	135	5927	-

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

Approved by <i>[Signature]</i> Title Engineer DISTRICT	Name R. A. Lowery Position District Exploitation Engineer Company Shell Oil Company
Date NOV 2 1959	

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico
MAIN OFFICE

MISCELLANEOUS NOTICES

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

Indicate Nature of Notice by Checking Below

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

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Roswell, New Mexico
(Place)

August 4, 1959
(Date)

Gentlemen:

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

Shell Oil Company
(Company or Operator)

State

Well No. 2-A in H
(Unit)

SE 1/4 NE 1/4 of Sec. 36, T. -24-S, R. -36-E, NMPM, Langlie-Mattix Pool

Lea County.

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

We propose to treat w/1500 gallons 15% acid to increase capacity.

Approved _____, 19____
Except as follows:

Approved
OIL CONSERVATION COMMISSION

By _____
Title _____

Shell Oil Company
Company or Operator

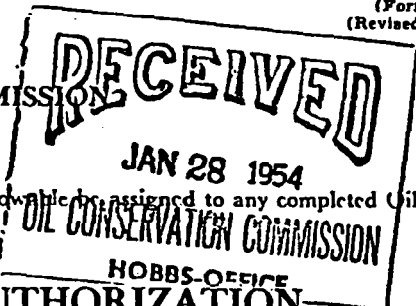
By R. A. Lowery R. A. Lowery

Position District Exploitation Engineer
Send Communications regarding well to:

Name Shell Oil Company

Address Box 845, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

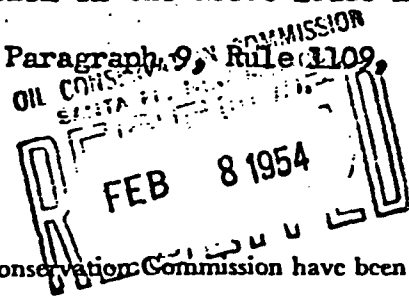
Company or Operator Shell Oil Company Lease State State TX
Address Box 1957, Hobbs, New Mexico Box 1509, Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H, Well(s) No. 2 A, Sec. 36, T. 24, R. 36, Pool Langlie-Mattix
County Lea Kind of Lease: State Lease
If Oil well Location of Tanks _____
Authorized Transporter El Paso Natural Gas Co. Address of Transporter
Jal, New Mexico Box 1492, El Paso, Texas
(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 None

REASON FOR FILING: (Please check proper box)

NEW WELL ☐ CHANGE IN OWNERSHIP ☐
CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☒

REMARKS:

This report covers casinghead gas production on the above lease in
accordance with Commission Order R-98-A, Paragraph 9, Rule 1109,
Section (A).



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

Executed this the _____ day of JAN 27 1954 19____

SHELL OIL COMPANY,

Approved FEB 3 1954, 19____

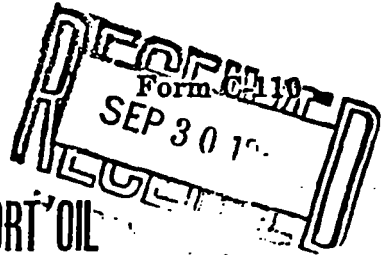
OIL CONSERVATION COMMISSION

By S. J. Stanley
Title Engineer District 1

By L. E. Leach
Title Division Production Superintendent

ORIGINAL

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO



CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator Shell Oil Company Lease State
Address Box 1457 Hobbs, New Mexico Box 1509 Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H Wells No. 2A Sec. 36 T 24S R 36E Field Langlie Matix County Lea
Kind of Lease State Location of Tanks center of lease
Transporter Texas & New Mexico Pipe Line Address of Transporter Eunice, New Mexico
(Local or Field Office)
Midland, Texas Percent of oil to be transported 100. Other transporters author-
(Principal Place of Business) ized to transport oil from this unit are none 0 %

REMARKS:

Operating ownership change effective close of business September 30, 1949

Previous owner: Shell Oil Company, Incorporated

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 percentages 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 30th day of September, 1949

Shell Oil Company
(Company or Operator)
By Frank R. Lovering
Title District Superintendent

State of New Mexico
County of Lea } ss.

Before me, the undersigned authority, on this day personally appeared Frank R. Lovering 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 30th day of September, 1949

Gene R. Davis

Notary Public in and for Lea County, New Mexico My Commission Expires Sept. 16, 1950

Approved: Sept - 30 - 1949

OIL CONSERVATION COMMISSION

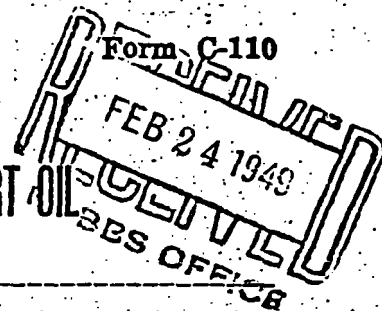
By Ray C. Yarbrough

OIL & GAS INSPECTOR

(See Instructions on Reverse Side)

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL



Company or Operator Shell Oil Company, Incorporated Lease State
Address Box 1457 Hobbs, New Mexico Box 1509 Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H Wells No. 2A Sec. 36 T 24S R 36E Field Langlie-Mattix County Lea
Kind of Lease State Location of Tanks Center of lease
Transporter Texas-New Mexico Pipe Line Address of Transporter Midland, Texas
(Local or Field Office)
Midland, Texas Percent of oil to be transported 100. Other transporters author-
(Principal Place of Business)
ized to transport oil from this unit are none 0 %

REMARKS:

NEW COMPLETION: Allowable to date from 2-6-49.
February allowable = 23 X 45 = 1035 barrels oil.
CORRECTED COPY: Previous C-110, dtd. 2-17-49, listed Shell Pipe Line Corp., as trans-
porter, which was in error.

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 23rd day of February, 1949
Shell Oil Company, Incorporated
(Company or Operator)
By Frank R. Lovering
Title District Superintendent

State of New Mexico

County of Lea

Before me, the undersigned authority, on this day personally appeared Frank R. Lovering 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 23rd day of February, 1949
Gene R. Davis
My Commission Expires Sept. 16, 1950
Notary Public in and for Lea County, New Mexico

Approved: 2-24- 1949

OIL CONSERVATION COMMISSION

By Ray O. Yarrrough

(See Instructions on Reverse Side)

OIL & GAS INSPECTOR

FORM C-105

RECEIVED
FEB 19 1949
COMMUNICATIONS SECTION
U.S. AIR FORCE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

[illegible]

**AREA 640 ACRES
LOCATE WELL CORRECTLY**

WELL RECORD

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 TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.**

Shell Oil Company, Incorporated Box 1457 Hobbs, New Mexico
Company or Operator Address
State _____ Well No. 2-A in NE/4 " of Sec. 36 T. 24-S
Lease
R. 36E N. M. P. M. Langlie-Mattix Field; " Lea County.
Well is 1980 feet south of the North line and 735 feet west of the East line of Sec. 36
If State land the oil and gas lease is No. B-1167 Assignment No. _____
If patented land the owner is _____ Address _____
If Government land the permittee is _____ Address _____
The Lessee is Shell Oil Company, Incorporated Address Box 1457 Hobbs, New Mex.
Drilling commenced 1-3-49 19 _____ Drilling was completed 1-29-49 19 _____
Name of drilling contractor Company Tools Address _____
Elevation above sea level at top of casing 3255 feet.
The information given is to be kept confidential until not confidential 19 _____

OIL SANDS OR ZONES

No. 1, from 3375 to 3525 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. _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8 5/8"	365'	350	Pump & plug	10.0	
7 7/8"	5 1/2"	3375'	850	Pump & plug	11.0	

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
none						

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

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

TOOLS USED

Rotary tools were used from 0 feet to 3525 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing 2-6 1949
 The production of the first 24 hours was 2-13-49 (21 hrs.) 73.11 barrels of fluid of which 81.8 % was oil; 0 % emulsion; 2 % water; and 16.2 % mud Gravity, ~~Re~~ API 34.8 deg.
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____ 100 MCF G.O.R. = 1670

EMPLOYEES

B. L. Simmers, Sr. _____ Driller M. L. Yow _____ Driller
 J. L. Mahan _____ Driller G. B. Young _____ Driller
 J. A. Arnold _____

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 17th _____
 day of February _____, 1949
Frank R. Lovering
 Notary Public
 My Commission Expires Sept. 16, 1951
 My Commission expires _____

Hobbs, New Mexico February 17, 1949
 Place _____ Date _____
 Name Frank R. Lovering
 Position District Superintendent
 Representing Shell Oil Company, Incorporated
 Company or Operator _____
 Address Box 1457 Hobbs, New Mexico

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL

Form C-110

FEB 19 1949

RECEIVED
OFFICE

Company or Operator Shell Oil Company, Incorporated Lease State Lea
Address Box 1457 Hobbs, New Mexico Box 1509 Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H Wells No. 2A Sec. 36 T 24S R 36E Field Langlie-Mattix County Lea
Kind of Lease State Location of Tanks Center of lease
Transporter Shell Pipe Line Corp. Address of Transporter Box 486 Hobbs, New Mexico
(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 none 0 %

REMARKS:

NEW COMPLETION: Allowable to date from 2-6-49.
February allowable = $23 \times 45 = 1035$ barrels oil.

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 17th day of February, 1949.

Shell Oil Company, Incorporated

(Company or Operator)

By Frank R. Lovering

Title District Superintendent

State of New Mexico

County of Lea

Before me, the undersigned authority, on this day personally appeared Frank R. Lovering 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 17th day of February, 1949

Notary Public in and for Lea County,

Approved: 2-19- 1949

OIL CONSERVATION COMMISSION

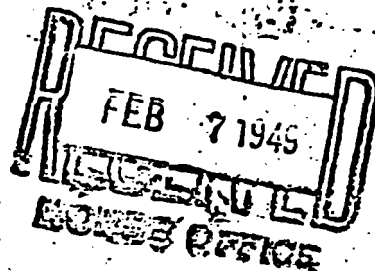
By Roy O. Yachraugh

OIL & GAS INSPECTOR (See Instruction on Reverse Side)

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 off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

January 31, 1949

Hobbs, New Mexico

Date

Place

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
Shell Oil Company, Incorporated State Well No. 2-A in the
Company or Operator Lease
NE/4 of Sec. 36, T. 24-S, R. 36-E, N. M. P. M.,
Langlie-Mattix Field, Lea County.

The dates of this work were as follows: 1-29-49

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on 1-27-49 19and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After W.O.C. 48 hours, tested 5 1/2-inch casing with 1000 p.s.i. for 30 minutes.

Held OK. Top of cement behind 5 1/2-inch casing at 900 feet, by stress strain measurement.

Witnessed by J. K. Pevehouse Shell Oil Company, Incorporated Production Foreman
Name Company Title

Subscribed and sworn before me this 31st

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

day of January 19 49

Name Frank R. Lovering

Position District Superintendent

Representing Shell Oil Company, Incorporated
Company or Operator

My commission expires My Commission Expires Sept. 16, 1950

Address Box 1457 Hobbs, New Mexico

Remarks:

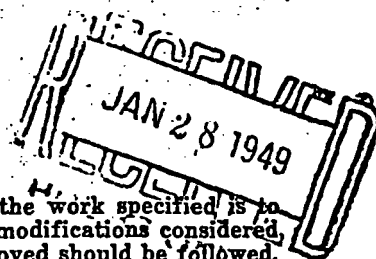
APPROVED
FEB 7 1949

Roy J. [Signature]
Name
Title

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 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 SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico

January 27, 1949

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

Shell Oil Company, Incorporated State Well No. 2-A in NE/4
Company or Operator Lease
of Sec. 36, T. 24-S, R. 36-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

Ran 5 1/2-inch casing to 3375 feet and cemented with 850 sacks. Plug down at 8:15 a.m. 1-26-49. After W.O.C. 48 hours will test casing.

JAN 28 1949

Approved _____, 19____
except as follows:

Shell Oil Company, Incorporated

Company or Operator

By Frank R. Lovering

Position District Superintendent

Send communications regarding well to

Name Shell Oil Company, Incorporated

Address Box 1457 Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By Roy Yorkrough

Title

ORIGINAL 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 off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL		

January 6, 1949

Hobbs, New Mexico

Date

Place

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

Shell Oil Company, Incorporated State Well No. 2-A in the

Company or Operator

Lease

NE/4 of Sec. 36, T. 24-S, R. 36-E, N. M. P. M.,

Langlie-Mattix Field, Lea County.

The dates of this work were as follows: 1-4-49

Notice of intention to do the work was ~~(was not)~~ submitted on Form C-102 on 1-4-49 19

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 8 5/8-inch casing with 800 p.s.i. water pressure for 30 minutes. Held

OK. Drilled plug and tested cement job with 500 p.s.i. for 30 minutes. Held OK.

Witnessed by J. K. Pevehouse Shell Oil Company, Incorporated Production Foreman
Name Company Title

Subscribed and sworn before me this 6th

day of January 19 49

Notary Public

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

Name Frank R. Lovering

Position District Superintendent

Representing Shell Oil Company, Incorporated
Company or Operator

My commission expires My Commission Expires Sept. 16, 1950

Address Box 1457 Hobbs, New Mexico

Remarks:

APPROVED

Date JAN 12 1949

Title

Ray Garbrough
SAS INS Name

ORIGINAL 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 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 SHOOT 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 PLUG WELL
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>	

Hobbs, New Mexico January 4, 1949

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

Shell Oil Company, Incorporated State Well No. 2-A in NE/4
Company or Operator Lease
of Sec. 36, T. 24-S, R. 36-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

Ran 8 5/8-inch casing to 365.14 feet and cemented with 350 sacks regular cement.

Circulated out estimated 200 sacks. Plug down 5:30 p.m. 1-3-49. After W.O.C. 24 hours will test casing and water shut-off.

Approved Jan 11 1949, 19
except as follows:

Shell Oil Company, Incorporated

Company or Operator

By Frank R. Lovering

Position District Superintendent

Send communications regarding well to

Name Shell Oil Company, Incorporated

Address Box 1457 Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By Noy Yankrough
Title Oil & Gas Inspector

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

ORIGINAL 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 off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission. Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS

X

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

January 4, 1949

Hobbs, New Mexico

Date

Place

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

Shell Oil Company, Incorporated

State

Well No. 2-A

in the

Company or Operator

Lease

NE/4

of Sec. 36

T.

24-S

R. 36-E

N. M. P. M.,

Langlie-Mattix

Field,

Lea

County.

The dates of this work were as follows: 1-3-49

Notice of intention to do the work was (was not) submitted on Form C-101 on 1-3 1949

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spudded 12:30 a.m. 1-3-49.

Witnessed by J. K. Pevehouse Shell Oil Company, Incorporated Production Foreman
Name Company Title

Subscribed and sworn before me this 4th

day of January 1949

Notary Public

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

Name Frank R. Lovering

Position District Superintendent

Representing Shell Oil Company, Incorporated
Company or Operator

My commission expires

Address Box 1457 Hobbs, New Mexico

Remarks:

APPROVED

Date

JAN 11 1949

Notary Public
Name J. K. Pevehouse
Title

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

ORIGINAL

NOTICE OF INTENTION TO DRILL

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 approval. See additional instructions in Rules and Regulations of the Commission.

Hobbs, New Mexico

January 3, 1949

Place

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

Shell Oil Company, Incorporated State Well No. 2-A in NE/4

Company or Operator

Lease

of Sec. 36, T. 24-S, R. 36-E, N. M., P. M. Jangle-Mattix Field, Lea County.

N

The well is 1980 feet (N.) (S.) of the north line and 735 feet (E.) (W.) of the east line of Sec. 36 T 24-S, R 36-E

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

If state land the oil and gas lease is No. B-1167 Assignment No.

If patented land the owner is

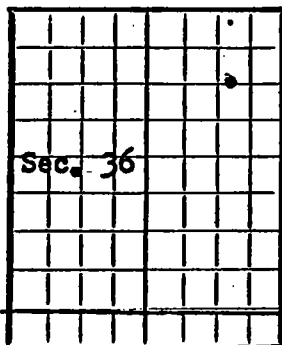
Address

If government land the permittee is

Address

The lessee is Shell Oil Company, Incorporated

Address Box 1457 Hobbs, New Mexico



AREA 640 ACRES

LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows:

Conventional rotary rig.

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: Blanket bond

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
11"	8 5/8"	32.0#	New	360'	cemented	300 sacks
7 7/8"	5 1/2"	15.5#	New	3375'	cemented	850 sacks

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3375 feet.

Additional information:

See reverse side.

Approved JAN 11 1949 19

except as follows:

OIL CONSERVATION COMMISSION,

By Roy Yankrauff

Title

Sincerely yours,

Shell Oil Company, Incorporated

Company or Operator

By Frank R. Lovering

Position District Superintendent

Send communications regarding well to

Name Shell Oil Company, Incorporated

Address Box 1457 Hobbs, New Mexico

This well will be drilled with same type mud and under same conditions as Shell State No. 1, (a direct south offset), in which well, cement reached top of salt as determined by temperature and caliper surveys, using 100 sacks less cement than specified above. If hole conditions differ, the Commission will be notified. This well is located 75 feet west of Shell State No. 2 which was J & A 1-1-49. Shell State No. 2 (TD 628') will be tested for water production and if not converted to a water well, will be properly P & A as soon as drilling of State 2-A is complete.

Handwritten signature

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

November 12, 1982

To all Off-setting Jalmat Gas Owners
Langlie "A" State No. 3
SE/4 NE/4 and NE/4 SE/4
Section 36, T-24-S, R-36-E
Lea County, New Mexico

We respectfully request your approval of the following application to the New Mexico Oil Conservation Division:

1. Simultaneous dedication of the 80 acres consisting of SE/4 NE/4 and NE/4 SE/4 Section 36, T-24-S, R-36-E, Lea County, New Mexico to our presently existing Langlie "A" State No. 2 Jalmat Gas Well and and the soon to be drilled Langlie "A" State No. 3.
2. The drilling of the Langlie "A" State No. 3 at an unorthodox Jalmat gas location consisting of 1980' FSL and 330' FEL of Section 36.

This letter is also your notice of our intention to qualify the proposed Langlie "A" State No. 3 as a Section 103 (Infill) Jalmat Gas Well.

Please designate your approval of the above by signing (1) one copy of this request and returning it in the enclosed stamped self-addressed envelope at your earliest convenience. The other copy of this letter is to be retained for your files.

Thank you for your cooperation in this matter.

Very truly yours,
Doyle Hartman, Oil Operator

Larry A. Nermyr

Larry A. Nermyr
Engineer

Agreed to this _____ day of _____, 1982

The First National Bank of Fort Worth, Texas

By _____

Title _____

Sun-Texas

By _____

Title _____

Langlie "A" State No. 3 - Offsetting Jalmat Gas Owners
November 12, 1982
Page 2

Getty Oil Company

By _____

Title _____

Convest Energy Corporation

By _____

Title _____

Phillips Petroleum Company

By _____

Title _____

P111964483
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

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

POSTAGE	\$ 71
CERTIFIED FEE	75
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
UPPER SERVICE	
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	

POSTAGE AND FEES \$2.06
MARK OR DATE

Langlie "A" No. 3

CERTIFIED

P111964483

MAIL

DOYLE HARTMAN P. O. BOX 10426 MIDLAND, TEXAS 79702	
TO:	Getty Oil Company P. O. Box 1231 Midland, Texas 79702
Attention: Mr. Audra B. Cary District Manager of Production	

NOV 12 '82 TEX. 20-4343	
U.S. POSTAGE 2.06	
PS Form 3811, Dec. 1980	
● SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.	
(CONSULT POSTMASTER FOR FEES)	
1. The following service is requested (check one). <input checked="" type="checkbox"/> Show to whom and date delivered 60¢ <input type="checkbox"/> Show to whom, date, and address of delivery .. —¢	
2. <input type="checkbox"/> RESTRICTED DELIVERY —¢ (The restricted delivery fee is charged in addition to the return receipt fee.)	
TOTAL \$ 60	
3. ARTICLE ADDRESSED TO: Getty Oil Company P. O. Box 1231 Midland, Texas 79702	
4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COD <input type="checkbox"/> EXPRESS MAIL	ARTICLE NUMBER 1964483
(Always obtain signature of addressee or agent)	
I have received the article described above. SIGNATURE <input type="checkbox"/> Addressee <input type="checkbox"/> Authorized agent	
5. DATE OF DELIVERY	POSTMARK
6. ADDRESSEE'S ADDRESS (Only if requested)	
7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS
Langlie "A" No. 3	

TEX. 207-143 2.00

P11 1964489

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

TO: First National Bank of
Fort Worth, Texas
P. O. Box 2546
Fort Worth, Texas 76113

POSTAGE 75

CERTIFIED FEE 60

SPECIAL DELIVERY
RESTRICTED DELIVERY

SHOW TO WHOM AND
DATE DELIVERED

SHOW TO WHOM AND DATE
DELIVERED WITH RESTRICTED
DELIVERY

SHOW TO WHOM AND DATE AND
ADDRESS IN DELIVERY WITH
RESTRICTED DELIVERY

TOTAL POSTAGE AND FEES 2.06

POSTMARK OR DATE

Langlie "A" No. 3

CERTIFIED

P11 1964489

DOYLE HARTMAN
P. O. BOX 10426
MIDLAND, TEXAS 79702

TO: The First National Bank of Fort Worth
P. O. Box 2546
Fort Worth, Texas 76113

Attention: Trust Department (Millard Deck
Testamentary Trust No. 4193)
Kenneth King

Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered 60
☐ Show to whom, date, and address of delivery ..
2. ☐ RESTRICTED DELIVERY
(The restricted delivery fee is charged in addition to
the return receipt fee.)
TOTAL \$ 60

3. ARTICLE ADDRESSED TO:
The First National Bank of Fort
Worth, Texas
P. O. Box 2546
Fort Worth, Texas 76113

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED 1964489
☒ CERTIFIED ☐ COD
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

Langlie "A" No. 3

NOV 12 '82

TEX.

2.06

P11 1964482

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO	
Sun-Texas	
STREET AND NO	
P. O. Box 4067	
PO STATE AND ZIP CODE	
Midland, Texas 79702	
POSTAGE	
\$ 2.06	
CERTIFIED FEE	
75.	
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
60	
TOTAL POSTAGE AND FEES	
\$ 2.06	
POSTMARK OR DATE	
Langlie "A" No. 3	

DOYLE HARTMAN

P. O. BOX 10426

MIDLAND, TEXAS 79702

TO:

Sun-Texas
P. O. Box 4067
Midland, Texas 79702

Attention: Mr. M. L. Schroder
District Manager of Reservoir
Engineering

PS Form 3811, Dec. 1980

● **SENDER:** Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

☒ Show to whom and date delivered 60

☐ Show to whom, date, and address of delivery
2. ☐ **RESTRICTED DELIVERY**

(The restricted delivery fee is charged in addition to
the return receipt fee.)

TOTAL \$ 60

3. **ARTICLE ADDRESSED TO:**

Sun-Texas
P. O. Box 4067
Midland, Texas 79702

4. **TYPE OF SERVICE:**
☐ REGISTERED ☐ INSURED

☒ CERTIFIED ☐ COD

☐ EXPRESS MAIL

ARTICLE NUMBER

1964482

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY

POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S
INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

CERTIFIED

P11 1964482

MAIL

Langlie "A" No. 3

P11 1964490
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

TO
Convest Energy Corp.
Suite 700, Fountain View
Houston, Texas 77057

CONSULT POSTMASTER FOR FEES	
POSTAGE	\$ 71
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 \$2.06

POSTMARK OR DATE
Langlie "A" No. 3

DOYLE HARTMAN
P. O. BOX 10426
MIDLAND, TEXAS 79702

TO:
Convest Energy Corporation
Suite 700
2401 Fountain View Drive
Houston, Texas 77057

Attention: Mr. Ken F. Fagan
Vice President Engineering

CERTIFIED

P11 1964490

MAIL

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered 60¢
☐ Show to whom, date, and address of delivery .. ¢

2. ☐ RESTRICTED DELIVERY
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:
 Convest Energy Corporation
 Suite 700, 2401 Fountain View
 Houston, Texas 77057

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED 1964490
☒ CERTIFIED ☐ COD
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7b. EMPLOYEE'S INITIALS

Langlie "A" No. 3

U.S. POSTAGE
NOV 12 '82
TEX.
2024342
2.06

PH11964491
RECEIPT FOR CERTIFIED MAIL

INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Phillips Petroleum
4001 Pembroke
Odessa, Texas 79762

CERTIFIED FEE	75¢
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
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	

POSTAGE AND FEES 2.06
MARK OR DATE
Langlie "A" No. 3

CERTIFIED
PH11964491

DOYLE HARTMAN P. O. BOX 10428 MIDLAND, TEXAS 79702	
TO:	Phillips Petroleum Company 4001 Pembroke Odessa, Texas 79762 Attention: S. R. Smith Director Reservoir Engineering

PS Form 3811, Dec. 1980

● **SENDER:** Complete Items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered 60¢
☐ Show to whom, date, and address of delivery.. —¢

2. ☐ **RESTRICTED DELIVERY** —¢
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ 60

3. **ARTICLE ADDRESSED TO:**
Phillips Petroleum
4001 Pembroke
Odessa, Texas 79762

4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> COD <input type="checkbox"/> EXPRESS MAIL	ARTICLE NUMBER 1964491
---	---------------------------

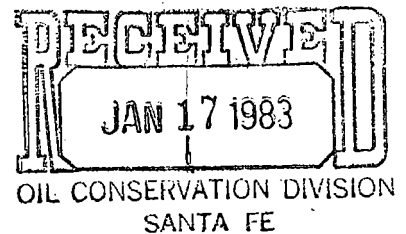
(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY	POSTMARK
6. ADDRESSEE'S ADDRESS (Only if requested)	
7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS

Langlie "A" No. 3

DOYLE HARTMAN
Oil Operator
500 N. MAIN
P. O. BOX 10428
MIDLAND, TEXAS 79702
(915) 684-4011



January 14, 1983

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

Attention: Mr. R. L. Stamets

Re: Administrative Procedure
Infill Finding
Langlie "A" No. 3
Section 36, T-24-S, R-36-E
at 1980' FSL & 330' FEL
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 Langlie "A" No. 3 located 1980' FSL and 330' FEL Section 36, T-24-S, R-36-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 production unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled Jalmat (Gas) Pool, and the standard spacing unit therefore is 640 acres.
- Rule 7 The number of the Administrative Order approving the non-standard proration unit and unorthodox location dedicated to the well is NSL-1628.
- Rule 8 Table 1 attached to William P. Aycock's letter dated July 19, 1982 shows the following:

- a. Lease name and well location;
- b. Spud date;
- c. Completion date;
- d. A description of any mechanical problems experienced along with a summary of remedial action(s) taken and the results obtained;
- e. The current rate of production, 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 December 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
 4. C-104 and C-105 (including Inclination Report)
 5. Scout Ticket and Well Log Summary for Doyle Hartman's Langlie "A" No. 3 (Infill Jalmat Well)
 6. Scout Ticket and Well Log Summary for Langlie "A" State No. 2 (previous producer on proration unit)
 7. N.M.O.C.D. Forms for the Langlie "A" State No. 2 (previous Jalmat producer on proration unit).

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.

41

2000

State of New Mexico
January 14, 1983
Page 3

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

Very truly yours,
DOYLE HARIMAN

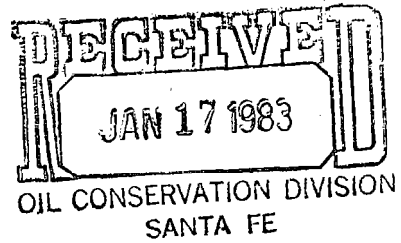

Becky Eichinger,
Administrative Assistant

/be

Enclosures

WILLIAM P. AYCOCK & ASSOCIATES, INC.

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



December 29, 1982

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

Attention: Mr. Mike Stogner

Subject: Administrative Application for Infill Well Findings
for Doyle Hartman's Langlie "A" No. 3 Well,
Section 36, Township 24 South, Range 36 East,
1980' FSL and 330' FEL, Jalmat (Gas) 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 constitute the requirements of the said Order:

- Rule 5: Attached are copies of the Forms C-101 and C-102.
- Rule 6: The name of the pool in which the infill well has been drilled is the Jalmat Pool, and the standard spacing therefor is 640 acres.
- Rule 7: The non-standard proration unit and unorthodox well location were approved administratively by Order No. NSL-1628, a copy of which is attached hereto.
- Rule 8: See attached Table No. 1, "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A" for requirements of Sections "a." through "f.". Also required by Section "g." is "a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Jalmat (Gas) Pool well to which the present 80-acre non-standard proration unit was assigned was the Doyle Hartman Langlie "A" State No. 2; this well produced 415 MCF in October 1982, with an accumulative gas production

of 681.8 MMCF. The estimated ultimate gas recovery for the Doyle Hartman Langlie "A" State 2 is 692.8 MMCF as of October 1, 1982, resulting in an estimated future gas recovery for this pre-existing well of 11.0 MMCF. The estimated future life is about twenty-four months. Accordingly, any producible gas reserves that remain beneath the subject lease would have been substantially not recoverable from the subject property without the drilling of the infill application well.

Rule 9:

Section a. Requires that a formation structure map be submitted; attached is a Yates formation structure map of the immediate area containing the subject lease.

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 Langlie "A" No. 3 is 74 MMCF. Since the gas to be recovered from the Doyle Hartman Langlie "A" State No. 2 is estimated to be 11 MMCF, the increased ultimate recovery is 63 MMCF. The estimate of increased recovery for the Doyle Hartman Langlie "A" No. 3 was accomplished as follows:

(1) Well logs for the Doyle Hartman Langlie "A" No. 3 were analyzed, resulting in the following:

Mean Porosity, Fraction of Bulk Volume	0.180
Mean Connate Water Saturation, Fraction of Net Effective Pore Volume	0.27
Net Effective Pay Thickness, Feet	34.

Since the gross pay thickness constituting potential gas reservoir for the langlie "A" No. 3 is 63 feet, the above represents a net effective pay thickness to gross pay thickness ratio of 54 percent.

(2) The production test for the Doyle Hartman Langlie No. 3 performed on December 27, 1982, was analyzed, resulting in the following:

Stabilized Deliverability Coefficient, MCF/day per psia ² ,	0.010720
Initial Stabilized Wellhead Shut-in Pressure (Pc), psia	128.2
Initial Gas Formation Volume Factor scf/rcf	8.71

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

Original Gas-in-Place

MMCF/Acre	1.696
MMCF/80 Acres	135.7
Estimated Gas Recovery Factor, Fraction of Original Gas-in-Place	0.545
Estimated Ultimate Recovery, MMCF per 80 Acres	74.0

Section c. Other supporting data submitted include the following:

Well Log/Completion Summary for the pre-existing Doyle
Hartman Langlie State "A" No. 2.

Gas Production History Tabulation and Graph for Doyle Hartman
Langlie State "A" No. 2 (the pre-existing well).

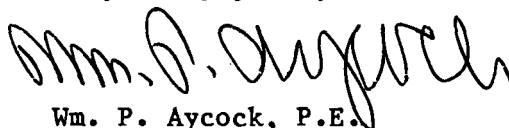
Complete New Mexico Oil Conservation Division (NMOCD) Forms
on file for both the pre-existing Doyle Hartman Langlie State
"A" No. 2 and the Infill Hartman Langlie "A" No. 3.

New Mexico Oil Conservation Division Order No. NSL-1628

New Mexico Department of Energy and Minerals,
Oil Conservation Division
P. O. Box 2088
Page 4

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

Very truly yours,



Wm. P. Aycock, P.E.

WPA/pkm

Enclosures

TABLE NO. 1

SUMMARY OF REQUIRED INFORMATION, RULE 8, EXHIBIT "A", ORDER R-6013-A,
(Sections "a." through "f.")
NATURAL GAS POLICY ACT INFILL FINDINGS, ADMINISTRATIVE PROCEDURE

<u>SECTION OF RULE 8</u>	<u>RULE 8 REQUIREMENT</u>	<u>PRE-EXISTING WELL DOYLE HARTMAN, OPERATOR*</u>	<u>INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR</u>
a.	Lease Name and Well Location	Langlie "A" State No. 2	Langlie "A" No. 3 330' FEL & 1980' FSL
b.	Spud Date	January 3, 1949	December 8, 1982
c.	Completion Date	February 14, 1961 in Jalmat Pool	December 27, 1982
d.	Mechanical Problems	Originally Completed in Langlie Mattix February 6, 1949; Langlie Mattix abandoned February, 1961 due to "fish" with top at 3281'.	None
e.	Current Rate of Production	13.4 MCF/day in October, 1982	C-105: 132 MCF/day
f.	Date of Plug and Abandonment	Not Plugged	Not Plugged

*Drilled by Shell Oil Company; Operator changed to Petroleum Corporation of Texas June 1, 1970; Doyle Hartman became Operator November 2, 1982.

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

DEC 6 1982

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEL <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-1167	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. Type of Work		7. Unit Agreement Name	
a. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			
b. Name of Operator Doyle Hartman		8. Farm or Lease Name Langlie "A"	
c. Address of Operator Post Office Box 10426, Midland, Texas 79702		9. Well No. 3	
d. Location of Well UNIT LETTER I LOCATED 1980 FEET FROM THE East LINE OF SEC. 36 TWP. 24S RGE. 36E NMPM		10. Field and Pool, or Wildcat Jalmat (Oil)	
11. Elevations (Show whether DF, RT, etc.) 3254.3 GL		12. County Lea	
19. Proposed Depth 3400		19A. Formation Yates-Seven Rivers	
20. Rotary or C.T. Rotary		21A. Kind & Status Plug. Bond Multi Well-Approved	
21B. Drilling Contractor Cactus		22. Approx. Date Work will start December, 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	36.0	400	300	Surface
8-3/4	7	23.0	3400	700	Surface

This proposed well will be drilled to a total depth of 3400 feet and will be evaluated for Jalmat (Yates-Seven Rivers) oil potential. In the event that the well is not completed as a Jalmat (Oil) producer, the well will be completed as a Jalmat Gas producer on a previously existing 80-acre Jalmat Gas proration unit consisting of NE/4 SE/4 and SE/4 NE/4 of Section 36. 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 been previously dedicated to El Paso Natural Gas Company.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 6/3/83
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. Nix Title Engineer Date November 24, 1982

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY TITLE JERRY SEXTON DATE DEC 3 1982
CONDITIONS OF APPROVAL DISTRICT 1 SUPR.

The well location must be from the outer boundaries of the Section

DOYLE HARTMAN

LANGLIE "A"

3

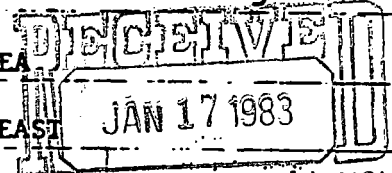
1

36

24 SOUTH

36 EAST

LEA



1980

SOUTH

330

EAST

3254.3

Yates-Seven Rivers

Jalmat (Oil)

OIL CONSERVATION DIVISION

SANTA FE

Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below

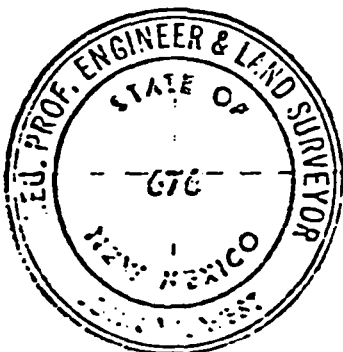
If more than one owner is interested in the well, outline each and identify the ownership there of both as to working interest and royalty

If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by commutation and/or other (for example, etc)?

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

If yes, list the names and tract descriptions which have actually been consolidated. Use reverse side of this form if necessary _____

A non-standard unit has been used until all interests have been consolidated. In such case, the unit used, the acreage, and the date of completion, if otherwise until a non-standard unit, eliminating such interests, has been approved by the Commission _____



CERTIFICATION

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

Larry G. Hartman

Engineer

Doyle Hartman

November 23, 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

November 16, 1982

Registered Professional Engineer

No. 10,115, State of New Mexico

John W. West

Certificate No.

John W. West, N.M. #676



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

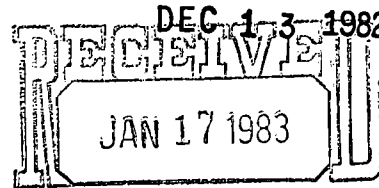
December 6, 1982



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



OIL CONSERVATION DIVISION
Administrative Order NSL-1628
SANTA FE

Gentlemen:

Reference is made to your application for approval of a non-standard location for your Langlie "A" Well No. 3 located 1980 feet from the South line and 330 feet from the East line of Section 36, Township 24 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Also, you are hereby authorized to simultaneously dedicate an existing 80-acre proration unit comprising the NE/4 SE/4 and SE/4 NE/4 of said Section 36 to the above-described well and your Langlie "A" State Well No. 2 located in Unit H of said Section 36. Further, you are hereby permitted to produce the allowable from any of the wells on the proration unit in any proportion.

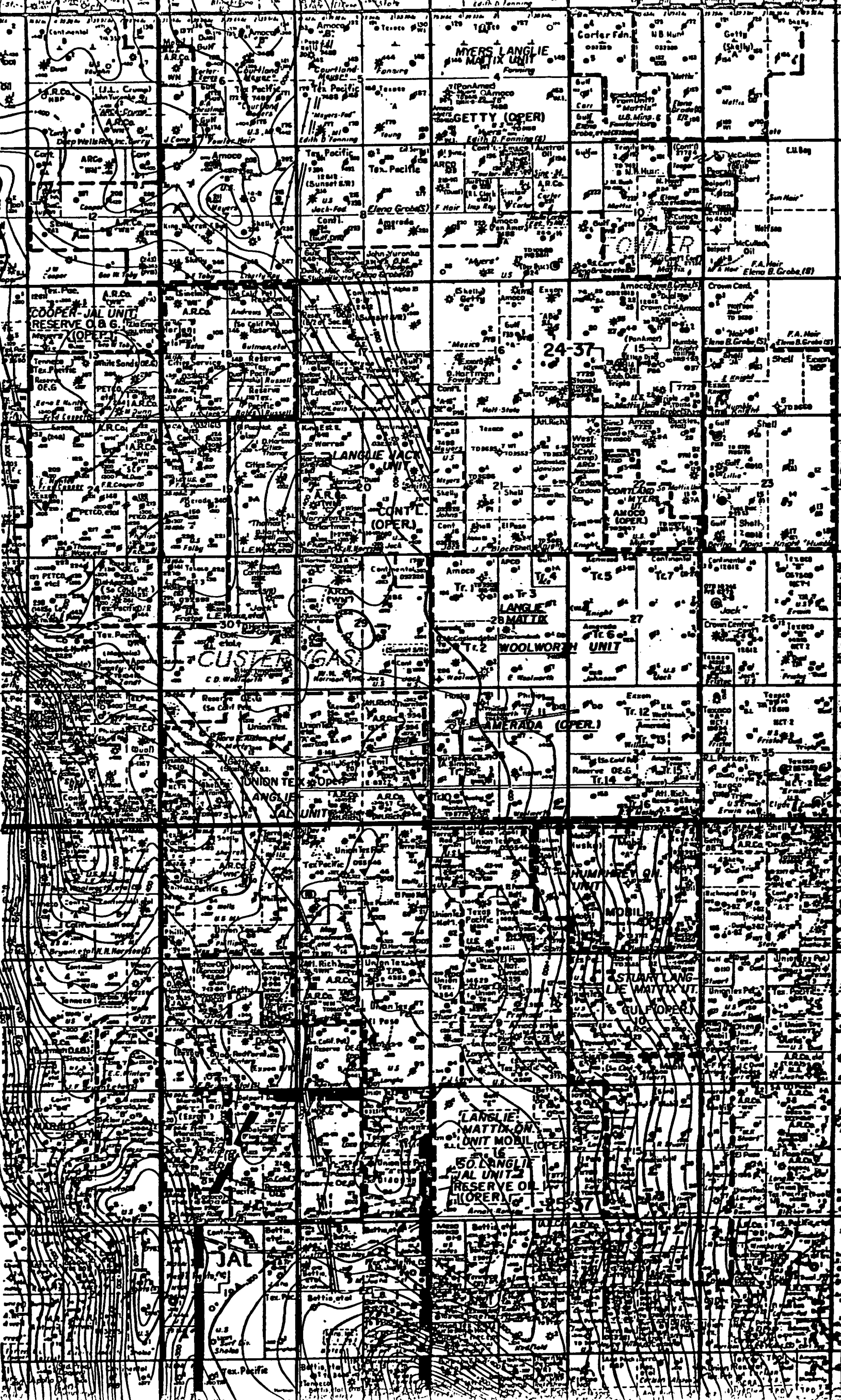
By authority granted me under the provisions of Rule 3 of Order No. R-1670, the above-described unorthodox location is hereby approved.

Sincerely,

JOE D. RAMEY,
Director

JDR/RLS/dr

cc: Oil Conservation Division - Hobbs
Oil & Gas Engineering Committee - Hobbs
Oil & Gas Division - State Land Office - Santa Fe



GAS PRODUCTION HISTORY

Date 11-2-82

Page 1 of 1

Operator: Doyle Hartman/Petroleum Corp. of Texas

Well: Langlie "A" State No. 2

Location: H-36-24S-36E

Pool: Jalmat (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: Recompleted Jalmat (Gas) 1970 - change in operator 11/82

[illegible]

19_82 Detail Summary

Jan. 343 July 403

Feb. 259 Aug. 399

March 378 Sept. _____

April 368 Oct.

May 391 Nov.

June 380 Dec.

19_____ Detail Summary

Jan. _____ July _____

Feb. _____ Aug. _____

March _____ Sept. _____

April _____ Oct. _____

May _____ Nov. _____

June _____ Dec. _____

Production (Y-T-D) _____

Days or Months (Y-T-D) _____

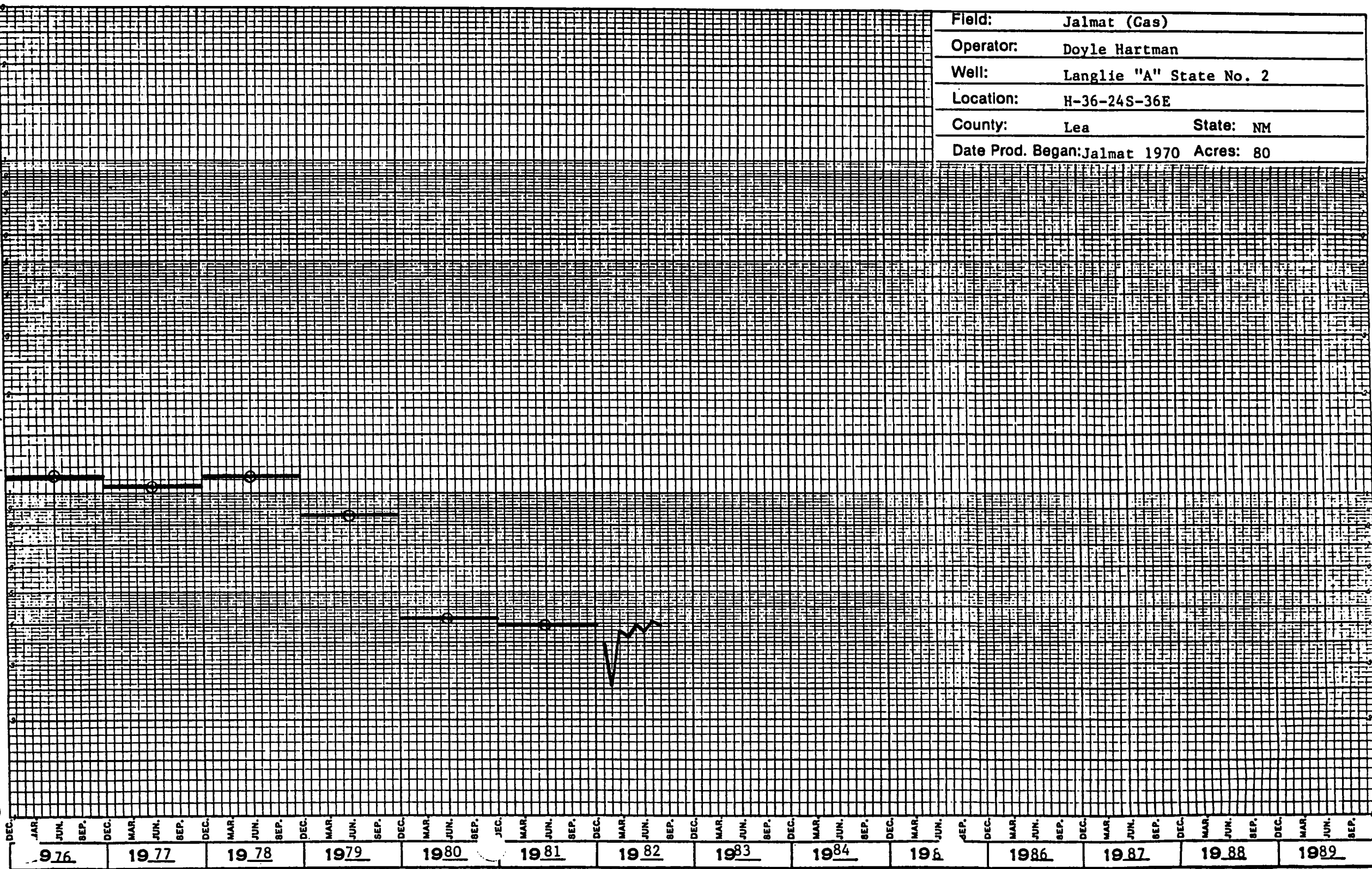
Avg. Rate (Y-T-D) _____

Gas Production - CF/month

10000

1000

100

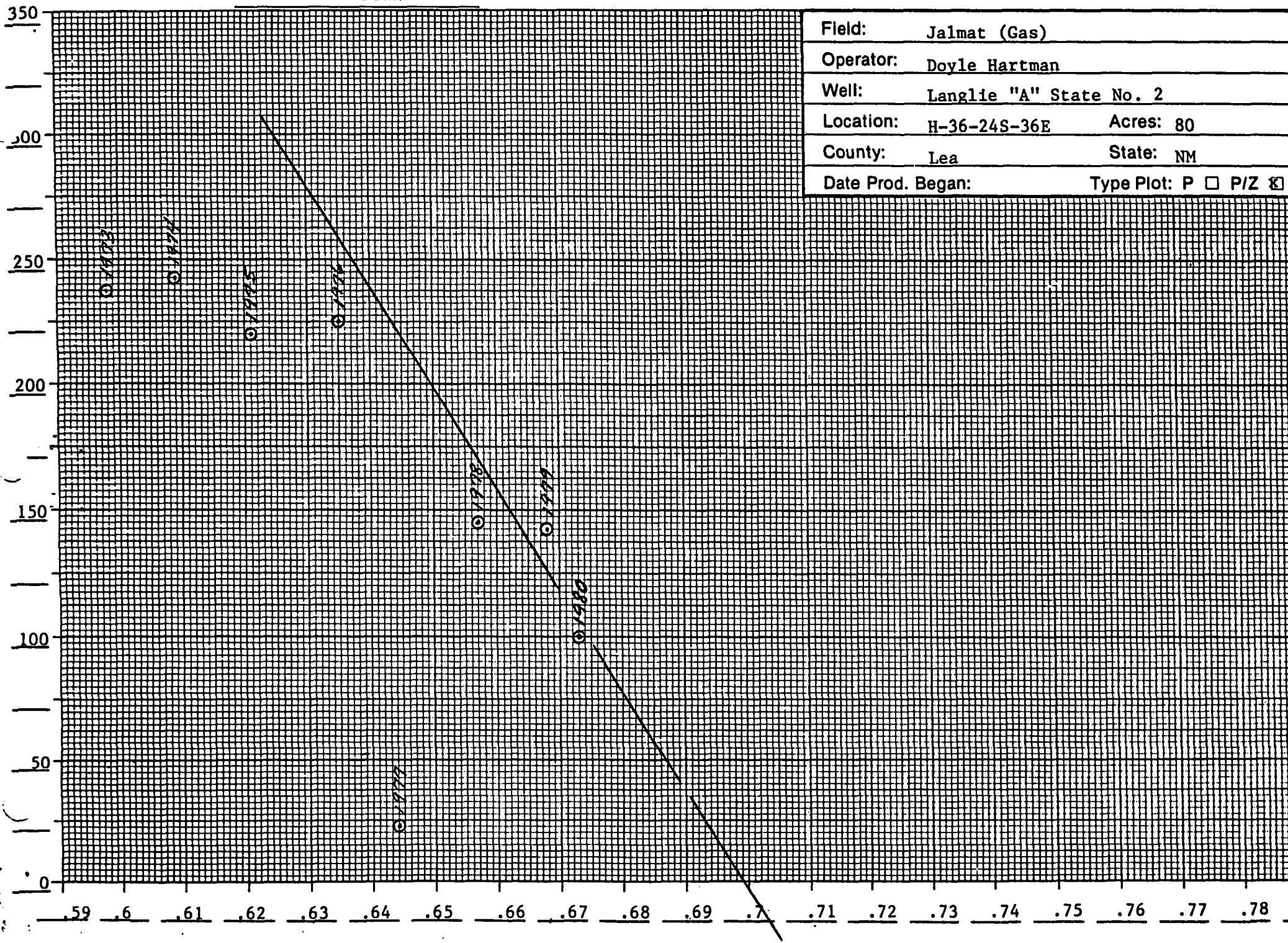


Field:	Jalmat (Gas)		
Operator:	Doyle Hartman		
Well:	Langlie "A" State No. 2		
Location:	H-36-24S-36E		
County:	Lea	State:	NM
Date Prod. Began:	Jalmat 1970	Acres:	80

Pressure or P/Z - (psia)

CUM:

Field:	Jalmat (Gas)		
Operator:	Doyle Hartman		
Well:	Langlie "A" State No. 2		
Location:	H-36-24S-36E	Acres:	80
County:	Lea	State:	NM
Date Prod. Began:	Type Plot: P <input type="checkbox"/> P/Z <input checked="" type="checkbox"/>		



Cumulative Gas Production - (BCE)

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AND OFFICE
OPERATOR

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

sent 12/27/82

Form O-108
Revised 10-80

6a. Indicate Type of Lease
State ☒ Fee ☐

6b. State Oil & Gas Lease No.

7. Tract Agreement Name

8. Farm or Lease Name
Langlie "A" State

9. Well No.
3

10. Field and Pool, or Wildcat
Jalmat (Gas)

11. County
Lea

25. Was Directional Survey Made
yes

27. Was Well Cored
No

1. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

2. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. REFR. ☐ OTHER ☐

Name of Operator
Doyle Hartman

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

Location of Well
SANTA FE

3. DEPTH OF WELL
I LOCATED 1980 FEET FROM THE South LINE AND 330 FEET FROM East LINE OF SEC. 36 TWP. 24S RGE. 36E

4. Date Drilled
12/8/82

15. Date T.D. Reached
12/15/82

17. Date Casing L. (Ready to Prod.)
12/27/82

18. Elevations (D.F. RKB, RT, GR, etc.)
3254.3 GL

19. Elev. Casinghead
3254

20. Total Depth
3367

21. Plug Back T.D.
3039

22. If Multiple Compl., How Many

23. Intervals Drilled By
0-3367

24. Intervals Drilled By
0-3367

5. Producing Interval(s), of this completion - Top, Bottom, Name
2785-2877 w/20 (Yates)

6. Type Electric and Other Logs Run
CDL-DSN-GR and Guard Forxo

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.0	401	12 1/4	250 sx (circ)	none
7"	23.0	3366	8 3/4	675 sx (circ)	none

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	3007	---

7. Fracturing Record (Interval, size and number)
20 holes with one shot each at: 2785, 2789, 2794, 2798, 2802, 2810, 2813, 2816, 2825, 2831, 2834, 2838, 2842, 2845, 2848, 2863, 2867, 2870, 2873, 2877

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2785-2877	A/ 5300 Gal. 15% MCA

8. PRODUCTION

First Production
12/24/82

Production Method (Flowing, gas lift, pumping - Size and type pump)
Pumping 6 SPM, 64" stroke, 1-1/4" pump

Well Status (Prod. or Shut-in)
Shut-in

9. Test
12/26/82

Hours Tested
24

Coke Size
22/64

Prod'n. For Test Period

Oil - BBL.

Gas - MCF
132

Water - BBL.
6

Gas - Oil Ratio

10. Tubing Press.
Casing Pressure
FCP=51 psi

Calculated 24-Hour Rate

Oil - BBL.

Gas - MCF
132

Water - BBL.
6

Oil Gravity - API (Corr.)

Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented

Test Witnessed By
Harold Swain

11. List of Attachments

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 Henry G. Jensen TITLE Engineer DATE 12/27/82

This form is to be filled with the appropriate District Office of the Commission not later than 30 days after the completion of any well or disposal 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 dry hole. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filled in quintuplicate 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 _____ 1110	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 1212	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
H. Salt _____ 2630	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2783	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 2992	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 Qizte _____
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. Todillo _____	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 _____ 2785 _____ to _____ 2877 _____	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
1110	1212	102	Anhydrite				
1212	2630	1418	Salt and Anhydrite				
2630	2783	153	Dolomite and Anhydrite				
2783	2992	209	Dolomite and Sandstone				
2992	3364	372	Dolomite and Sandstone				

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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

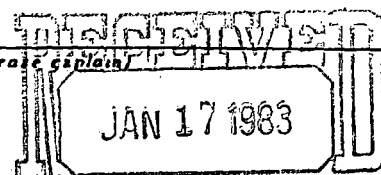
NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and
Effective 1-1-63

sent 12/27/82

Doyle Hartman

Address
P. O. Box 10426 Midland, Texas 79702



Reason(s) for filing (Check proper box)

New Well ☒
Recompletion ☐
Change in Ownership ☐

Change in Transporter of:

Oil ☐ Dry Gas ☐
Casinghead Gas ☐ Condensate ☐

Other (Please explain)

OIL CONSERVATION DIVISION
SANTA FE

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name Langlie "A" State	Well No. 3	Pool Name, including Formation Jalmat (Gas)	Kind of Lease State, Federal or Fee	Lease No. B-1167
Location Unit Letter I : 1980 Feet From The South Line and 330 Feet From The East Line of Section 36 Township 24S Range 36E, NMFM, 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)
El Paso Natural Gas Company	P. O. Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	No Jan. 1983

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.
		X	X					
Date Spudded 12/8/82	Date Compl. Ready to Prod. 12/27/82	Total Depth 3367	P.B.T.D. 3039					
Elevations (DF, RAB, RT, GK, etc.) 3254.3 GL	Name of Producing Formation Yates	Top Oil/Gas Pay 2785	Tubing Depth 3007					
Perforations 2785 - 2877 (Yates)	Depth Casing Shoe 3366							

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4	9 5/8	401	250 sx (circ)
8 3/4	7	3366	675 sx (circ)

TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
132	24 hours	---	---
Testing Method (pilot, back pr.) Office Tester	Tubing Pressure (stat-in)	Casing Pressure (stat-in) FCP=51 psi (SOCP=115)	Choke Size 22/64

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 here is true and complete to the best of my knowledge and belief.

Langlie C. Hartman
(Signature)

ENGINEER
(Title)
December 27, 1982
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, IS

BY _____

TITLE _____

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

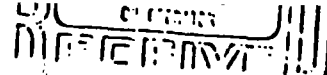
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All portions 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 conditions.

To operate Form C-104 must be filed for each pool in multi-completed wells.

INCLINATION REPORT

OPERATOR DOYLE HARTMAN ADDRESS P.O. BOX 10426, MIDLAND, TEXAS 79702LEASE NAME LANGLIE A WELL NO. 3 FIELD DEC 21 1982LOCATION LANGLIE A #3

DEPTH	ANGLE INCLINATION DEGREES	DISPLACEMENT	DISPLACEMENT ACCUMULATED
430	$\frac{1}{4}$	1.8920	1.8920
960	$\frac{3}{4}$	6.9430	8.8350
1556	$\frac{3}{4}$	7.8076	16.6426
2115	1 $\frac{3}{4}$	17.0495	33.6921
2617	2 $\frac{3}{4}$	24.0960	57.7881
2708	2 $\frac{3}{4}$	4.3680	62.1561
3000	2	10.1908	72.3469
3367	1 $\frac{1}{2}$	9.6154	81.9623

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

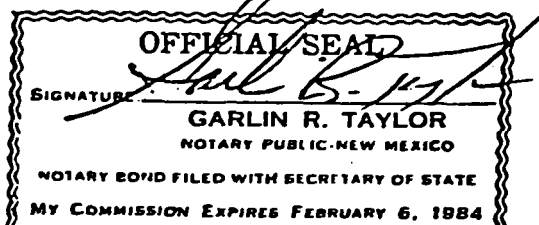
CACTUS DRILLING COMPANY

TITLE DEBBIE CLARK, OFFICE MANAGER

AFFIDAVIT:

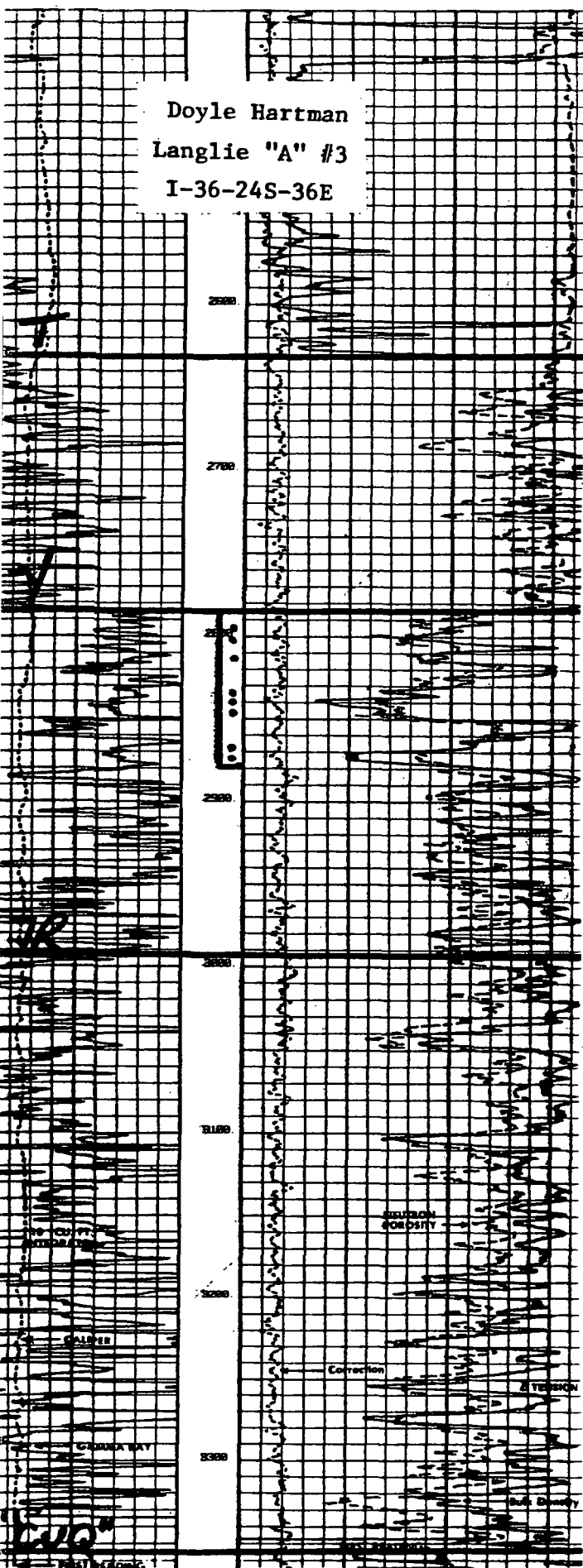
Before me, the undersigned authority, appeared DEBBIE CLARK known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this the 20TH day of DECEMBER, 1982

Notary Public in and for the County
of Lea, State of New Mexico

SEAL



COMPANY Doyle Hartman

WELL Langlie "A" State No. 3

FIELD Jalmat (Gas)

LOCATION 1980 FSL & 330 FEL (I)
Section 36, T-24-S, R-36-E

COUNTY Lea

STATE New Mexico

ELEVATIONS: KB 3264

DF

GL 3254

COMPLETION RECORD

SPUD DATE 12-18-82 COMP. DATE 12-27-82

TD 3367 PBTD 3039

CASING RECORD 9 5/8 @ 401 W/250
7 @ 3366 W/675

PERFORATING RECORD Perf: 2785-2877 W/20
(Yates)

STIMULATION A/5300

IP IPF=132 MCFPD

GOR GR

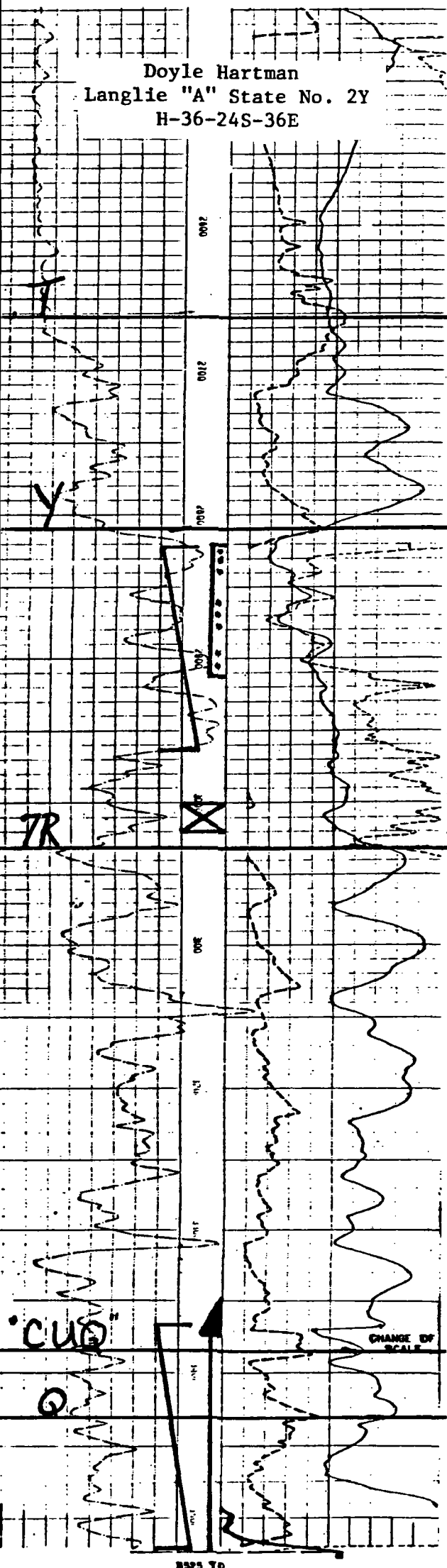
TP CP =51 (SICP=115)

CHOKE 22/64 TUBING 2 3/8" @ 3007

DST RECORD

Pump arrangement: 6X64X1½

REMARKS

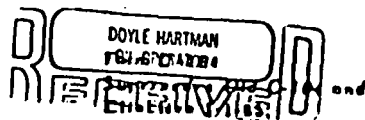


COMPANY	Doyle Hartman (Petco, Shell)
WELL	Langlie "A" State No. 2Y (Shell State No. 2A)
FIELD	Jalmat (Gas)
LOCATION	1980 FNL & 735 FEL (H) Section 36, T-24-S, R-36-E
COUNTY	Lea
STATE	New Mexico
ELEVATIONS:	KB _____ DF 3265 GL _____

COMPLETION RECORD			
SPUD DATE	1-3-49	COMP. DATE	2-6-49
TD	3525	PBTD	
CASING RECORD	8 5/8 @ 365 5 1/2 @ 3375		
PERFORATING RECORD OH: 3375-3525			
STIMULATION Natural			
IP	IPF=50 BOPD + 2 BHPD		
GOR	GR		
TP	410	CP	520
CHOKE	16/64	TUBING	@
DST RECORD	DST 2822-2963: OP 0:40. GTS 2 min @ 2900 MCFPD. FP=900. DST 3368-3525: OP 3:20. FTS in 40 min @ 100 BFPD. 40% Oil. 2-14-61 PB @ 3000. Perf 2825-2912 W/10. SF/27000. CAOF: 2200 MCFPD. Well completed as Jalmat (Gas) producer.		
REMARKS			
1-1-82 Cum: 678.1 MMCF			
10-82 Prod: 13 MCFPD			

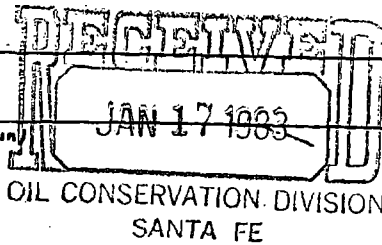
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OPERATOR	
PRODUCTION OFFICE	

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



NOV 17 1982

NOV 17 1982



Operator
DOYLE HARTMAN

Address
P.O. BOX 10426, MIDLAND, TEXAS 79702

Reason(s) for filing (Check proper box)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>
Change in Ownership <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/>
	Dry Gas <input type="checkbox"/>
	Condensate <input type="checkbox"/>

Other (Please explain)
OIL CONSERVATION DIVISION
SANTA FE

If change of ownership give name and address of previous owner
Petroleum Corporation of Texas, P. O. Box 911, Breckenridge, Texas 762

DESCRIPTION OF WELL AND LEASE

Lease Name Langlie "A" State	Well No. 2	Pool Name, Including Formation Jalmat-Yates (Gas)	Kind of Lease State, Federal or Fee State	Lease No. B-1167
Location Unit Letter <u>H</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>735</u> Feet From The <u>East</u>				
Line of Section <u>36</u> Township <u>24S</u> Range <u>36E</u> , NMPM, <u>1</u> ea 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)
El Paso Natural Gas Company	Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Pge. Is gas actually connected? When
	Yes 2-14-61

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 Res'v.	Diff. Res'
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 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 (flow, 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.

Harry G. Jimenez
(Signature)

ENGINEER

(Title)

NOVEMBER 2, 1982

OIL CONSERVATION COMMISSION

NOV 15 1982

APPROVED: _____, 19

BY Edwin W. Lee

TITLE OIL & GAS INSPECTOR

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

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

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

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

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NEW MEXICO OIL CONSERVATION COMMISSION

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

JAN 17 1983

5a. Indicate Type of Lease

State ☒Fee ☐

5. State Oil & Gas Lease No.

OIL CONSERVATION DIVISION

SUNDRY NOTICES AND REPORTS ON WELLS

SANTA FE

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

OIL
WELL ☐GAS
WELL ☒

OTHER-

7. Unit Agreement Name

8. Farm or Lease Name

Langlie State "A" State

9. Well No.

2Y

10. Field and Pool, or Wildcat

Jalmat (Gas)

UNIT LETTER H 1980 FEET FROM THE North LINE AND 735 FEET FROMTHE East LINE, SECTION 36 TOWNSHIP 24S RANGE 36E NMPM.

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

3265' 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 ☐PLUG AND ABANDON ☐REMEDIAL WORK ☐ALTERING CASING ☐TEMPORARILY ABANDON ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☐PULL OR ALTER CASING ☐CHANGE PLANS ☐CASING TEST AND CEMENT JOB ☐OTHER Plug off Langlie Mattix Zone ☒OTHER ☐

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

1-3-72 MIRU well service unit. Pulled and laid down sucker rods.
Pulled 2955' 1½" tubing and 284' 1½" tubing.

1-4-72 Swab down 2-7/8" tubing. Otis set retrievable plug in Type
S-1 landing nipple @ 2920'. (This isolates Langlie Mattix
zone - temporarily abandoned). Otis opened sliding sleeve in
2-7/8" tubing @ 2814'. Pull one swab run and shut in for night.

1-5-72 Swab Jalmat zone through tubing.

1-6-72 Swab Jalmat zone, zone kicked off, placed on pipe line for
production. Release well service unit.

This is a single completion from Jalmat zone.

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

APPROVED BY

TITLE Production ClerkDATE 6-6-73

APPROVED BY

TITLE

DATE

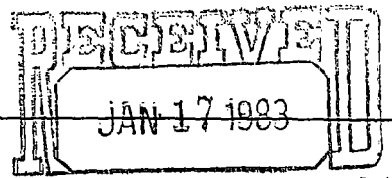
CONDITIONS OF APPROVAL, IF ANY:

11-30 20-30

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

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



Operator
Petroleum Corporation of Texas
Address
P. O. Box 911, Breckenridge, Texas 76024

OIL CONSERVATION DIVISION
SANTA FE

Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	Operator change to be effective June 1, 1970. Name change on lease from State "A" to Langlie-State "A"	
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>		
Change in Ownership <input checked="" type="checkbox"/>			

If change of ownership give name and address of previous owner **Shell Oil Company, Box 1509, Midland, Texas 79701**

DESCRIPTION OF WELL AND LEASE

Lease Name Langlie State "A" State	Well No. 2Y	Pool Name, including Formation Jalmat (Gas)(Yates) Langlie Mattix	Kind of Lease State, Federal or Fee State
Location Unit Letter H ; 1980 Feet From The North Line and 735 Feet From The East Line of Section 36 , Township 24S Range 36E , NMPM, Lea County			

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) Box 1510, Midland, Texas 79701
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> and Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Box 1384, Jal, New Mexico 88252
If well produces oil or liquids, give location of tanks. Unit H Sec. 36 Twp. 24S Rge. 36E	Is gas actually connected? Yes When 2-14-61

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

COMPLETION DATA

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

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

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

CERTIFICATE OF COMPLIANCE

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

Mary B. Taylor
(Signature)
Production Clerk
July 1, 1970

OIL CONSERVATION COMMISSION
APPROVED **JUL 7 1970**
BY **Joe J. Ramirez**
TITLE **SUPERVISOR DISTRICT**

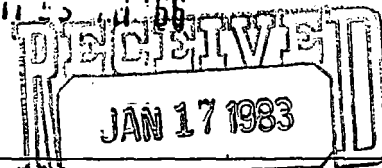
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Fill out Sections I, II, III, and VI only for changes of name, well name or number, or transporter, or other such change of condition.

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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND

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

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS



OIL CONSERVATION DIVISION
SANTA FE

Operator
Shell Oil Company (Western Division)

Address
P. O. Box 1509, Midland, Texas 79701

Reason(s) for filing (Check proper box)

New Well	<input type="checkbox"/>	Change in Transporter of:	Change in Lease Name
Recompletion	<input type="checkbox"/>	Oil <input type="checkbox"/>	From: State #2Y
Change in Ownership	<input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	To: State A #2Y

Other (Please explain)

If change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name State <u>A</u>	Well No. 2Y	Pool Name, Including Formation Jalmat (Gas) Yates	Kind of Lease B-1167 State, Federal or Fee State
Location Unit Letter <u>H</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>735</u> Feet From The <u>East</u> Line of Section <u>36</u> , Township <u>24S</u> Range <u>36E</u> , NMPM, <u>Lea</u> County			

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Texas-New Mexico Pipe Line Company	P. O. Box 1510, Midland, Texas 79701					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
El Paso Natural Gas Company	P. O. Box 1384, Jal, New Mexico 88252					
If well produces oil or liquids, give location of tanks.	Unit H	Sec. 36	Twp. 24S	Rge. 36E	Is gas actually connected? Yes	When February 14, 1961

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

COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth			P.B.T.D.				
Pool	Name of Producing Formation	Top Oil/Gas Pay			Tubing Depth				
Perforations		Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

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

CERTIFICATE OF COMPLIANCE

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

K.W. Lagrone K. W. Lagrone
(Signature)
Division Production Superintendent

September 8, 1966 (Title)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY _____
TITLE _____

This form is to be filed in compliance with RULE 1104.
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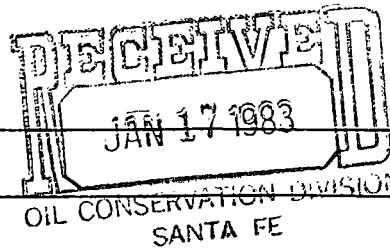
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NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE

AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-105
Effective 1-1-65Operator
Shell Oil Company (Western Division)Address
P. O. Box 1509, Midland, Texas 79701

Reason(s) for filing (Check proper box)

New Well ☐
Recompletion ☐
Change in Ownership ☐

Change in Transporter of:

Oil ☐
Casinghead Gas ☐Dry Gas ☐
Condensate ☐

Other (Please explain)

Change in Lease Name.

From: State #2Y
To: State A #2YIf change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name State A	Well No. 2Y	Pool Name, including Formation Langlie-Mattix 11mm Queen	Kind of Lease B-1167 State, Federal or Fee State
Location Unit Letter H ; 1980 Feet From The North Line and 735 Feet From The East Line of Section 36 , Township 24S Range 36E , NMPM, Lea County			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1510, Midland, Texas 79701					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1384, Jal, New Mexico 88252					
If well produces oil or liquids, give location of tanks.	Unit I	Sec. 36	Twp. 24S	Rge. 36E	Is gas actually connected? Yes	When February 1954

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

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth		P.B.T.D.					
Pool	Name of Producing Formation	Top Oil/Gas Pay		Tubing Depth					
Perforations		Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

K. W. Lagrone
(Signature)
Division Production Superintendent
(Title)September 8, 1966
(Date)

OIL CONSERVATION COMMISSION

APPROVED SEP 13 1966, 19

BY

TITLE

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

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

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

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

JUN 21 12 59 PM '66

MAIN OFFICE 000

02

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

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	66 B-1167

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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- <input type="checkbox"/>	2. Name of Operator Shell Oil Company (Western Division)
3. Address of Operator P. O. Box 1509, Midland, Texas 79701	4. Location of Well UNIT LETTER <u>H</u> , <u>1980</u> FEET FROM THE <u>north</u> LINE AND <u>735</u> FEET FROM THE <u>east</u> LINE, SECTION <u>36</u> TOWNSHIP <u>24S</u> RANGE <u>36E</u> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 3265' DF	12. County Lea

JAN 17 1983
OIL CONSERVATION DIVISION
SANTA FE

7. Unit Agreement Name	8. Farm or Lease Name
	State
9. Well No.	10. Field and Pool, or Wildcat
2Y	Jalmat (Gas)
12. County	
Lea	

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

May 4, 1966 thru May 20, 1966
Treated via tubing - casing annulus w/2500 gallons 15% Unisol and flushed w/48 bbls
9#/gallon Brine w/2 gallons LST-5, all containing 1500 cu. ft./bbl. CO₂.
Turned to El Paso line and stabilized production.
Flowed at rate of 1255 MCFPD. FTP 100 psi.

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

SIGNED N. W. Harrison N. W. Harrison TITLE Senior Exploitation Engineer DATE June 20, 1966

APPROVED BY [Signature] SIGNED BY [Signature] DATE [Signature]

CONDITIONS OF APPROVAL, IF ANY:

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

NEW MEXICO OIL CONSERVATION COMMISSION, C. C.

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

MAIN OFFICE 000

9 8 33

MAY 4 1 06 PM '66

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. B-1167
7. Unit Agreement Name -
8. Farm or Lease Name State
9. Well No. 2Y
10. Field and Pool, or Wildcat Jalmat (Gas)
12. County Lea

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

OIL WELL ☐ GAS WELL ☒ OTHER-

1. Name of Operator
Shell Oil Company (Western Division)

2. Address of Operator
P. O. Box 1509, Midland, Texas 79701

3. Location of Well
UNIT LETTER H, 1980 FEET FROM THE north LINE AND 735 FEET FROM
THE east LINE, SECTION 36 TOWNSHIP 24S RANGE 36E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3265' DF

JAN 17 1983
OIL CONSERVATION DIVISION
SANTA FE

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

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

7. 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.

We propose to treat via tubing-casing annulus w/2500 gallons 15% Unisol and flush w/2000 gallons salt water w/2 gallons LST-5 in flush to increase capacity.

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

SIGNED N. W. Harrison N. W. Harrison TITLE Senior Exploitation Engineer DATE May 3, 1966

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. BOX 2045

HOBBS, NEW MEXICO

DATE June 13, 1961

TO:

Shell Oil Company

Box 1858

Roswell, New Mexico

Gentlemen:

RE: GAS WELLS

This is:

A New Gas Well ()
An Oil Well Converted to Gas ()
An Oil-Gas Dual (X)
A Gas-Gas Dual ()

Form C-104 has been received on your State #2-A H 36-24-36
Lease Well No. Unit S-T-R

☐ But no allowable can be assigned this well until the following forms have been received:

Form C-104 _____

Form C-110 _____

Form C-128 _____

NSP Order _____

Notice of Connection _____

Deliverability Test _____

☒ And a 80 acre allowable will be assigned in the Jalmat Pool under Order No: DC-1044.

Filed 2-22-61

Filed 2-22-61

Filed 2-22-61

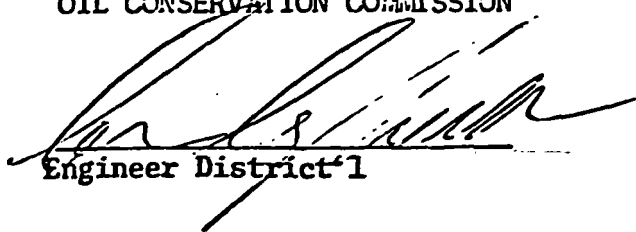
Approved 3-1-61

Date of Connection 5-12-61

Filed 2-22-61

DC Order 3-1-61

OIL CONSERVATION COMMISSION


Engineer District 1

Original-Operator
cc-File

Original-OCC, Santa Fe
cc-File, Operator &
Transporter— EP

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 1, 1961

Shell Oil Company
P. O. Box 845
Roswell, New Mexico

Attention: Mr. R. L. Rankin

Administrative Order NSP-525

Gentlemen:

Reference is made to your application for approval of an 80-acre non-standard gas proration unit in the Jalmat Gas Pool consisting of the following acreage:

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM
Section 36: SE/4 NE/4 and NE/4 SE/4

It is understood that this unit is to be dedicated to your Shell State 2 A Well, located in Unit H of said section 36.

By authority granted me under provisions of Order No. R-1670, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with the pool rules, based upon the unit size of 80 acres.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/OEP/og

cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs
El Paso Natural Gas Company - El Paso

C
O
P
Y

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

March 1, 1961

Shell Oil Company
P. O. Box 845
Roswell, New Mexico

Gentlemen:

Enclosed herewith please find Administrative Order NO. DC-1044 for your State Well No. 2A located in the SE/4 NE/4 of Section 36, Township 24 South, Range 36 East, NMPM, Lea County, New Mexico, to permit the production of gas from the Jalmat Gas Pool and the production of oil from the Langlie-Mattix Pool.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/og

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

C
O
P
Y

NUMBER OF COPIES RECEIVED	
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U.S.S.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

FORM C-110
(Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

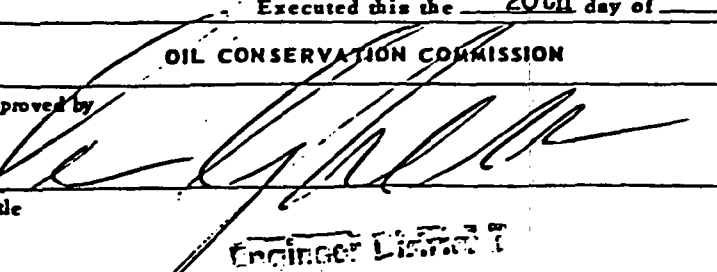
Company or Operator Shell Oil Company				Lease State NM		Well No. 132-2A	
Unit Letter H	Section 36	Township 21S	Range 36E	County Lea			
Pool Langlie-Mattix (oil) - Jalmat (Gas)				Kind of Lease (State, Fed, Fee) State			
If well produces oil or condensate give location of tanks		Unit Letter H	Section 36	Township 21S	Range 36E		
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> Texas-New Mexico Pipe Line Company				Address (give address to which approved copy of this form is to be sent) P. O. Box 374, Eunice, New Mexico			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/> El Paso Natural Gas Company		Date Connected	Address (give address to which approved copy of this form is to be sent) P. O. Box 1384, Jal, New Mexico				

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

REASON(S) FOR FILING (please check proper box)	
New Well <input type="checkbox"/>	Change in Ownership <input type="checkbox"/>
Change in Transporter (check one)	Other (explain below)
Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Casing head gas <input type="checkbox"/> Condensate <input type="checkbox"/>	

Remarks Dual Completion - Langlie-Mattix (Oil) Jalmat (Gas) 2-14-61
--

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

Executed this the 20th day of February, 1961	
OIL CONSERVATION COMMISSION	
Approved by 	By R. A. Lowery R.A. Lowery
Title Engineer District I	Title District Exploitation Engineer
Company Shell Oil Company	Address Box 845, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

Dual ~~Recompletion~~

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-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 new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Roswell, New Mexico
(Place)

February 20, 1961
(Date)

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

Shell Oil Company State _____, Well No. 2A, in SE 1/4 NE 1/4,
(Company or Operator) (Lease)
H Sec. 36, T. 24-S, R. 36-E, NMPM, Jalmat Pool

Lea

operation started operation
County Date Spudded 1-29-61 Date Drilling Completed 2-11-61
Elevation 3265' Total Depth 3525' PSTD -

Please indicate location:

R-36-E

Top 22/Gas Pay 2825' Name of Prod. Form. Yates

PRODUCING INTERVAL - 2825' - 2837', 2848' - 2854';
Perforations 2865' - 2867', 2874' - 2880', 2906' - 2912'

Open Hole - Depth Casing Shoe 3375' Depth Tubing 3264'

OIL WELL TEST -

Natural Prod. Test: _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Size _____
Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Size _____

GAS WELL TEST -

36 Natural Prod. Test: _____ MCF/Day; Hours flowed _____ Choke Size _____

Method of Testing (pitot, back pressure, etc.): _____

Test After Acid or Fracture Treatment: 2.200 MCF/Day; Hours flowed 24

Choke Size 28/64" Method of Testing: Absolute Open Flow

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 250 G. MCA, 27,000 G. lease crude, 45,090# sand, 900# Mark II Adomite

Casing Tubing Date first new oil run to tanks February 14, 1961

Press. _____ Press. _____

Oil Transporter Texas-New Mexico Pipe Line Company

Gas Transporter El Paso Natural Gas Company

1980' FNL & 735' FEL, Sec.

Tubing, Casing and Cementing Record

Size	Feet	Size
8 5/8"	354	350
5 1/2"	3365	850
2 1/2"	2867	

Remarks: _____

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

Approved _____, 19 _____

Shell Oil Company

(Company or Operator)

R. A. Lowery R. A. Lowery

By: _____ (Signature)

Title District Exploitation Engineer

Send Communications regarding well to:

Name Shell Oil Company

Address Box 845, Roswell, New Mexico

OIL CONSERVATION COMMISSION

By: _____

Title _____

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

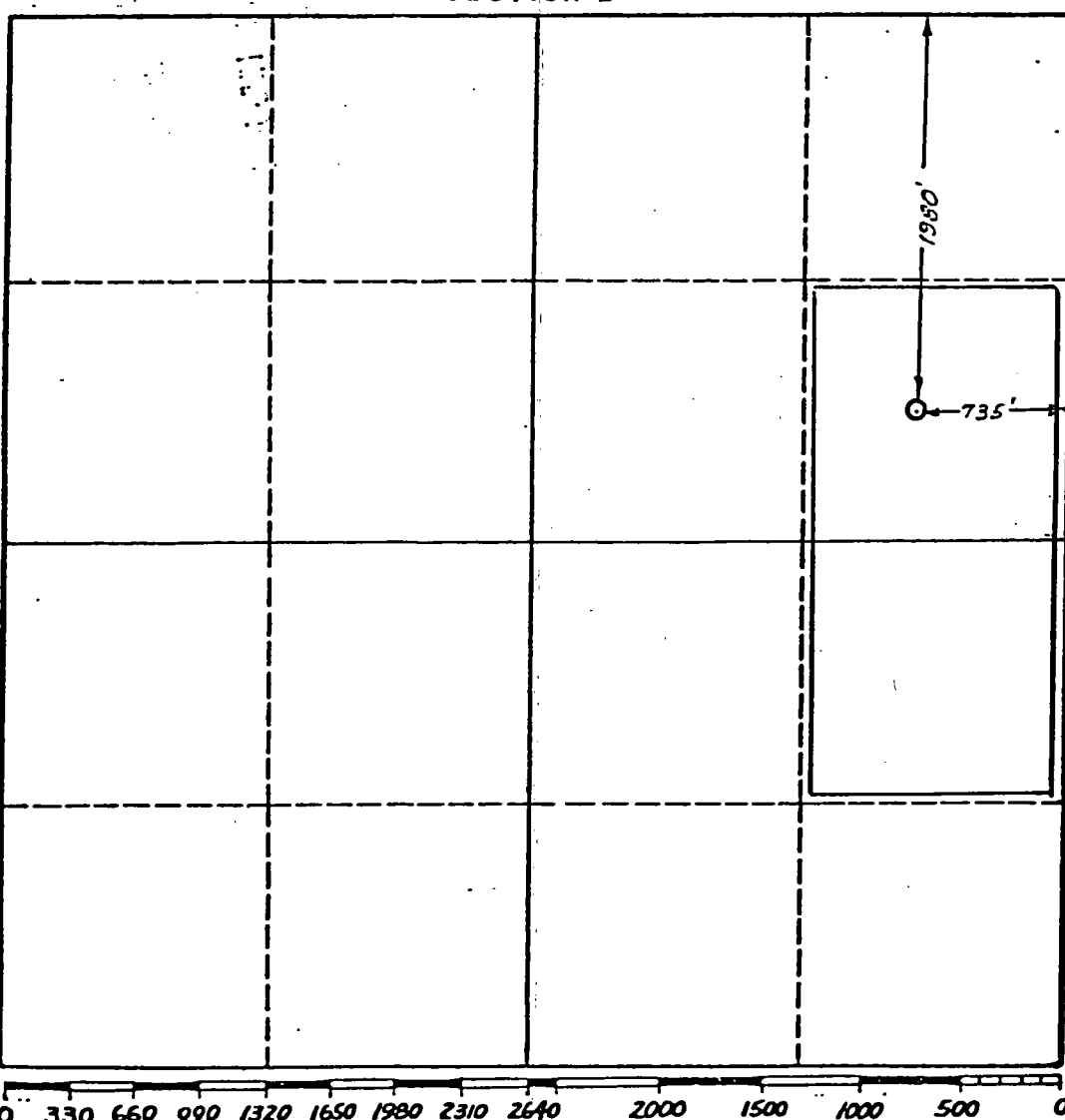
SECTION A

Operator	Shell Oil Company			Lease	State		
Unit Letter	Section	Township	Range	County	Well No.		
H	36	24S	36E		JAN 17 1983 2A 32		
Actual Footage Location of Well:							
1980 feet from the north line and 735 feet from the east SANTA FE line							
Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:				
3255'	Yates	Jalmat	80			Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ____ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ____ NO ____ . If answer is "yes," Type of Consolidation ____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

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

Name R. A. Lowery
Position District Exploitation Engineer
Company Shell Oil Company
Date February 20, 1961

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

Date Surveyed _____
Registered Professional Engineer and/or Land Surveyor _____
Certificate No. _____

NUMBER OF COPIES RECEIVED	
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FILE	
U.S.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

FORM C-103
(Rev 3-55)

(Submit to appropriate District Office as per Commission Rule J106)

Name of Company Shell Oil Company		Address Box 845, Roswell, New Mexico				
Lease State	Well No. 2A	Unit Letter H	Section 36	Township 24S	Range 36E	
Date Work Performed 1-29-61 thru 2-14-61	Pool Langlie-Mattix - Jalmat			County Lea		

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☒ Other (Explain):
☐ Plugging ☐ Remedial Work Dual Completion

JAN 17 1963

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

DUAL COMPLETION LANGLEIE-MATTIX (OIL) * JALMAT (GAS)

OIL CONSERVATION DIVISION
SANTA FE

1. Pulled rods, pump & tubing.
2. Ran GR/N, CGL Survey 3281' - 2500'.
3. Top of fish @ 3281'.
4. Ran Baker Model FA packer on wireline & set @ 3000'.
5. Dumped 7 1/2' frac sand on top of packer. Ran 2" open ended tubing to 2941'.
6. Loaded casing annulus w/oil Pressure tested 5 1/2" casing to 3600 psi/30 minutes/OK.
7. Spotted 250 gallons 15% MCA on bottom, pulled 2" tubing.
8. Perforated 5 1/2" casing 2825' - 2837', 2848' - 2854', 2864' - 2867', 2874' - 2880', 2906' - 2912' w/1-1/2" JSPP.
9. Treated w/27,000 gallons lease oil containing 1/67# sand & 1/30# Mark II Adomite/gallon in 3 stages using ball sealers.
10. Ran 95 jts. (2867') 2 1/2", 6.5#, SH, EUE, N-80 tubing + 60' blast nipples + 262' 2 1/2" tubing tail pipe bull plugged @ 3264'. Baker Seal Assembly 3000', Otis S nipple w/plug in place @ 2920', Otis Blas Nipples 2904' - 2914', 2862' - 2882', 2846' - 2856', 2820' - 2840', Otis Sleeve Valve in open position 2814', 4 Baker Turbulizers spaced approximately

Witnessed by H. B. Brooks	Position Production Foreman	Company (Continued on back of page) Shell Oil Company
------------------------------	--------------------------------	--

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

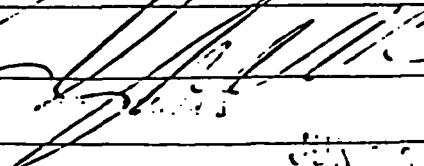
D F Elev.	TD	PBTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval				
Producing Formation(s)				

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

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

Approved by 	Name R. A. Lowery
Title	Position District Exploitation Engineer
Date	Company Shell Oil Company

60' apart thru perforated zone. Pushed out Baker expendable plug from Model FA packer & latched seal assembly in packer. Set tubing w/10,000# tension. Hydrottested tubing to 5000 psi.

11. On Absolute open flow potential flowed 2.200 million CFGPD based on the following:

<u>Time (hrs.)</u>	<u>MCFPD</u>	<u>CHOKE</u>	<u>CASING PRESSURE</u>
2	404.4	13/64"	435 psi
1 1/2	582.5	16/64"	426 psi
1 1/2	930.0	20/64"	405 psi
2	1169.0	24/64"	380 psi
21	1284.0	28/64"	309 psi

No fluid during test. Official Completion Date February 14, 1961.

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS DBS OFFICE OCC

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

Name of Company Shell Oil Company Address Box 845, Roswell, New Mexico

Lease State Well No. 2A Unit Letter H Section 36 Township 24S Range 36E

Date Work Performed 8-4-59 thru 10-29-59 Pool Langlie-Mattix County Lea

THIS IS A REPORT OF: (Check appropriate block)

☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain):
☐ Plugging ☒ Remedial Work

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

1. Pulled rods, pump & tubing.
2. Ran Worth Well Caliper Survey.
3. Treated open hole 3375' - 3405' via tubing w/1500 gallons 15% acid.
4. Ran Lynes Production Packer on 2" tubing & set packer @ 3405'. Opened slide valve above packer.
5. Ran pump & rods to 3399'.
6. In 24 hours pumped 8 BO + 17 BW w/9-54" SPM.
7. Pulled rods & pump.
8. Treated via casing w/10,000 gallons lease crude containing 1# sand & 0.1# Adomite per gallon.
9. Ran 2" x 1 1/2" x 24' Fluid Packed 3-Tube Bottom Hole Pump & rods to previous setting.
10. Recovered load.
11. In 24 hours pumped 15 BO + 135 BW w/9-54" SPM.

Witnessed by H. B. Brooks Position Production Foreman Company Shell Oil Company

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev. 3265' TD 3525' PBT D - Producing Interval 3375' - 3525' Completion Date 2-24-49

Tubing Diameter 2" Tubing Depth 3518' Oil String Diameter 5 1/2" Oil String Depth 3375'

Perforated Interval(s) -

Open Hole Interval 3375' - 3525' Producing Formation(s) Seven Rivers

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover	2-15-59	8	69.9	54	8738	-
After Workover	10-29-59	15	88.9	135	5927	-

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

OIL CONSERVATION COMMISSION

Approved by *[Signature]* Name R. A. Lowery
Title Engineer District Position District Exploitation Engineer
Date NOV 2 1959 Company Shell Oil Company

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico
MAIN OFFICE

MISCELLANEOUS NOTICES

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

Indicate Nature of Notice by Checking Below

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

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Roswell, New Mexico
(Place)

August 4, 1959
(Date)

Gentlemen:

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

Shell Oil Company
(Company or Operator)

State

Well No. 2-A in H
(Unit)

SE 1/4 NE 1/4 of Sec 36, T. -24-S, R. -36-E, NMPM, Langlie-Mattix Pool
(40-acre Subdivision)

Lea County.

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

We propose to treat w/1500 gallons 15% acid to increase capacity.

Approved _____, 19____
Except as follows:

Approved
OIL CONSERVATION COMMISSION

By _____
Title _____

Shell Oil Company
Company or Operator

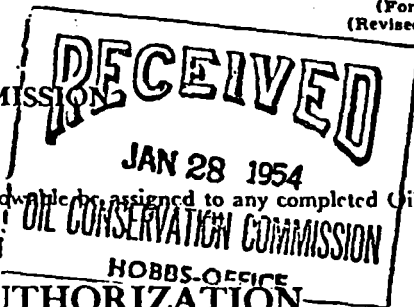
By R. A. Lowery R. A. Lowery

Position District Exploitation Engineer
Send Communications regarding well to:

Name Shell Oil Company

Address Box 845, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



It is necessary that Form C-104 be approved before this form can be approved on an initial allowance be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Shell Oil Company Lease State

Address Box 1957, Hobbs, New Mexico Box 1509, Midland, Texas
(Local or Field Office) (Principal Place of Business)

Unit H, Well(s) No. 2 A, Sec. 36, T. 24, R. 36, Pool Langlie-Mattix

County Lea Kind of Lease State Lease

If Oil well Location of Tanks

Authorized Transporter El Paso Natural Gas Co. Address of Transporter
Jal, New Mexico Box 1492, El Paso, Texas
(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 None

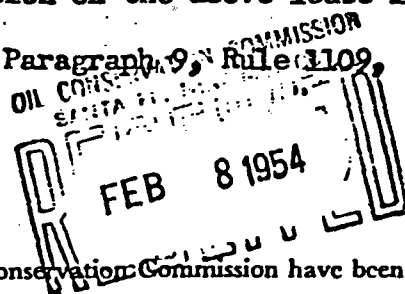
REASON FOR FILING: (Please check proper box)

NEW WELL ☐ CHANGE IN OWNERSHIP ☐

CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☒

REMARKS:

This report covers casinghead gas production on the above lease in accordance with Commission Order R-98-A, Paragraph 9, Rule 1109, Section (A).



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

Executed this the _____ day of JAN 27 1954 19____

SHELL OIL COMPANY,

Approved FEB 3 1954, 19____

OIL CONSERVATION COMMISSION

By S. J. Stanley

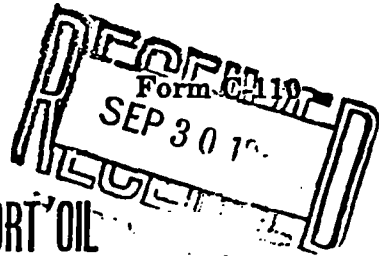
Title Engineer District 1

By L. C. Hays

Title Division Production Superintendent

ORIGINAL

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO



CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator Shell Oil Company Lease State
Address Box 1457 Hobbs, New Mexico Box 1509 Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H Wells No. 2A Sec 36 T 24S R 36E Field Langlie Lea County Lea
Kind of Lease State Location of Tanks center of lease
Transporter Texas & New Mexico Pipe Line Address of Transporter Eunice, New Mexico
(Local or Field Office)
Midland, Texas Percent of oil to be transported 100 Other transporters author-
(Principal Place of Business) ized to transport oil from this unit are none 0 %

REMARKS:

Operating ownership change effective close of business September 30, 1949

Previous owner: Shell Oil Company, Incorporated

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 percentages 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 30th day of September, 1949

Shell Oil Company

(Company or Operator)

By Frank R. Lovering
Title District Superintendent

State of New Mexico

County of Lea

ss.

Before me, the undersigned authority, on this day personally appeared Frank R. Lovering 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 30th day of September, 1949

Notary Public in and for Lea County, New Mexico My Commission Expires Sept. 16, 1950

Approved: Sept - 30 - 1949

OIL CONSERVATION COMMISSION

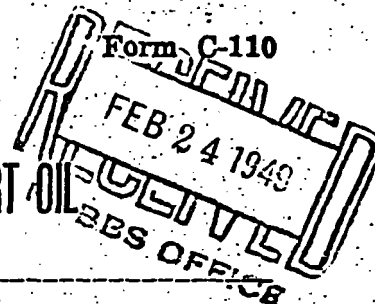
By W. C. Yarbrough

OIL & GAS INSPECTOR

(See Instructions on Reverse Side)

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL



Company or Operator Shell Oil Company, Incorporated Lease State
Address Box 1457 Hobbs, New Mexico Box 1509 Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H Wells No. 2A Sec. 36 T 24S R 36E Field Langlie-Mattix County Lea
Kind of Lease State Location of Tanks Center of lease
Transporter Texas-New Mexico Pipe Line Address of Transporter Midland, Texas
(Local or Field Office)
Midland, Texas Percent of oil to be transported 100 Other transporters author-
(Principal Place of Business)
ized to transport oil from this unit are none 0 %

REMARKS:

NEW COMPLETION: Allowable to date from 2-6-49.
February allowable = 23 X .45 = 1035 barrels oil.
CORRECTED COPY: Previous C-110, dtd., 2-17-49, listed Shell Pipe Line Corp., as trans-
porter, which was in error.

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 23rd day of February, 1949

Shell Oil Company, Incorporated

(Company or Operator)

By Frank R. Lovering

Frank R. Lovering

Title District Superintendent

State of New Mexico

County of Lea

Before me, the undersigned authority, on this day personally appeared Frank R. Lovering 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 23rd day of February, 1949

Dene R. Lopez
My Commission Expires Sept. 10, 1950

New Mexico

Notary Public in and for Lea County,

Approved: 2-24- 1949

OIL CONSERVATION COMMISSION

By Ray O. Yarbrough

(See Instructions on Reverse Side)

OIL & GAS INSPECTOR

Q

[illegible]

FORM C-105

N

Sec. 36

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

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 TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Shell Oil Company, Incorporated Box 1457 Hobbs, New Mexico
Company or Operator Address

State _____ Well No. 2-A in NE/4 " of Sec. 36 T. 24-S
Lease

R. 36E N. M. P. M., Langlie-Mattix Field; Lea County.
Well is 1980 feet south of the North line and 735 feet west of the East line of Sec. 36

If State land the oil and gas lease is No. B-1167 Assignment No. _____
If patented land the owner is _____ Address _____
If Government land the permittee is _____ Address _____

The Lessee is Shell Oil Company, Incorporated Address Box 1457 Hobbs, New Mex.

Drilling commenced 1-3-49 19____ Drilling was completed 1-29-49 19____

Name of drilling contractor Company Tools Address _____

Elevation above sea level at top of casing 3255 feet.

The information given is to be kept confidential until not confidential 19____

OIL SANDS OR ZONES

No. 1, from 3375 to 3525 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.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
8 5/8"	32#	3rd T	Rep. National & Pitts.	354'	Texas pattern				water protection
5 1/2"	15.5#	3rd T	Ingstam	3365'	Float				oil string

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8 5/8"	365'	350	Pump & plug	10.0	
7 7/8"	5 1/2"	3375'	850	Pump & plug	11.0	

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
none						

Results of shooting or chemical treatment _____

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 _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing _____ 2-6 _____ 1949
 The production of the first 24 hours was _____ 2-13-49 (21 hrs.) _____ 73.11 _____ barrels of fluid of which _____ 81.8 _____ % was oil; _____ 0 _____ % emulsion; _____ 2 _____ % water; and _____ 16.2 _____ % mud _____ Gravity, _____ 34.8 _____ deg.
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____ 100 MCF G.O.R. = 1670

EMPLOYEES

B. L. Simmers, Sr. _____ Driller _____ M. L. Yow _____ Driller
 J. L. Mahan _____ Driller _____ G. B. Young _____ Driller
 J. A. Arnold _____

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 _____ 17th _____
 day of _____ February _____, 1949

 Notary Public
 My Commission Expires Sept. 16, 1950
 My Commission expires _____

_____ Hobbs, New Mexico February 17, 1949

 Name _____ Frank R. Lovering _____
 Position _____ District Superintendent _____
 Representing _____ Shell Oil Company, Incorporated _____
 _____ Company or Operator
 Address _____ Box 1457 Hobbs, New Mexico _____

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL

Form C-110

FEB 19 1949

RECEIVED
OFFICE

Company or Operator Shell Oil Company, Incorporated Lease State
Address Box 1457 Hobbs, New Mexico Box 1509 Midland, Texas
(Local or Field Office) (Principal Place of Business)
Unit H Wells No. 2A Sec. 36 T24S R36E Field Langlie-Mattix County Lea
Kind of Lease State Location of Tanks Center of lease
Transporter Shell Pipe Line Corp. Address of Transporter Box 486 Hobbs, New Mexico
(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 none 0 %

REMARKS:

NEW COMPLETION: Allowable to date from 2-6-49.
February allowable = $23 \times 45 = 1035$ barrels oil.

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 17th day of February, 1949.

Shell Oil Company, Incorporated
(Company or Operator)
By Frank R. Lovering

Title District Superintendent

State of New Mexico

County of Lea

Before me, the undersigned authority, on this day personally appeared Frank R. Lovering 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 17th day of February, 1949.

Notary Public in and for Lea County,

Approved: 2-19- 1949

OIL CONSERVATION COMMISSION

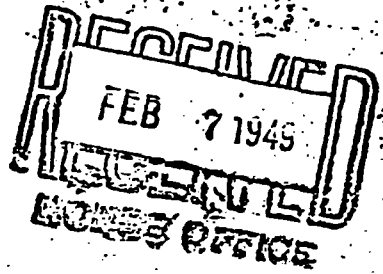
By Roy O. Yankraugh

OIL & GAS INSPECTOR (See Instruction on Reverse Side)

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 off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

January 31, 1949

Hobbs, New Mexico

Date

Place

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
Shell Oil Company, Incorporated State Well No. 2-A in the
Company or Operator Lease
NE/4 of Sec. 36, T. 24-S, R. 36-E, N. M. P. M.,
Langlie-Mattix Field, Lea County.

The dates of this work were as follows: 1-29-49

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on 1-27-49 19
and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After W.O.C. 48 hours, tested 5 1/2-inch casing with 1000 p.s.i. for 30 minutes.

Held OK. Top of cement behind 5 1/2-inch casing at 900 feet, by stress strain measurement.

Witnessed by J. K. Pevehouse Shell Oil Company, Incorporated Production Foreman
Name Company Title

Subscribed and sworn before me this 31st

day of January 19 49

Frank R. Lovering
Notary Public

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

Name Frank R. Lovering

Position District Superintendent

Representing Shell Oil Company, Incorporated
Company or Operator

My commission expires My Commission Expires Sept. 16, 1950

Address Box 1457 Hobbs, New Mexico

Remarks:

APPROVED
FEB 7 1949

Roy J. [Signature]
Name
Title

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

RECEIVED
JAN 28 1949
OIL CONSERVATION COMMISSION

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 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 SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico

January 27, 1949

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

Shell Oil Company, Incorporated State Well No. 2-A in NE/4
Company or Operator Lease
of Sec. 36, T. 24-S, R. 36-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

Ran 5 1/2-inch casing to 3375 feet and cemented with 850 sacks. Plug down at
8:15 a.m. 1-26-49. After W.O.C. 48 hours will test casing.

JAN 28 1949

Approved _____, 19____
except as follows:

Shell Oil Company, Incorporated

Company or Operator

By Frank R. Lovering

Position District Superintendent

Send communications regarding well to

Name Shell Oil Company, Incorporated

Address Box 1457 Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By Roy Yankovich

Title

ORIGINAL 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 off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	<input checked="" type="checkbox"/>	REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL		

January 6, 1949

Hobbs, New Mexico

Date

Place

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

Shell Oil Company, Incorporated State Well No. 2-A in the

Company or Operator

Lease

NE/4 of Sec. 36, T. 24-S, R. 36-E, N. M. P. M.,

Langlie-Mattix Field, Lea County.

The dates of this work were as follows: 1-4-49

Notice of intention to do the work was ~~(was not)~~ submitted on Form C-102 on 1-4-49 19

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 8 5/8-inch casing with 800 p.s.i. water pressure for 30 minutes. Held

OK. Drilled plug and tested cement job with 500 p.s.i. for 30 minutes. Held OK.

Witnessed by J. K. Pevehouse Shell Oil Company, Incorporated Production Foreman
Name Company Title

Subscribed and sworn before me this 6th

day of January

19 49

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

Name Frank R. Lovering

Position District Superintendent

Representing Shell Oil Company, Incorporated
Company or Operator

My commission expires My Commission Expires Sept. 16, 1950

Address Box 1457 Hobbs, New Mexico

Remarks:

APPROVED

Date JAN 12 1949

Title

Ray Yarbrough
Name Title

ORIGINAL

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 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 SHOOT 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 PLUG WELL
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>	

Hobbs, New Mexico January 4, 1949

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

Shell Oil Company, Incorporated State Well No. 2-A in NE/4
Company or Operator Lease
of Sec. 36, T. 24-S, R. 36-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

Ran 8 5/8-inch casing to 365.14 feet and cemented with 350 sacks regular cement.

Circulated out estimated 200 sacks. Plug down 5:30 p.m. 1-3-49. After W.O.C. 24 hours will test casing and water shut-off.

Approved Jan 11 1949, 19
except as follows:

Shell Oil Company, Incorporated

Company or Operator

By Frank R. LoveringPosition District Superintendent

Send communications regarding well to

Name Shell Oil Company, IncorporatedAddress Box 1457 Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By Noy. YankroughTitle Oil & Gas Inspector

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

ORIGINAL

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 off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS

X

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

January 4, 1949

Hobbs, New Mexico

Date

Place

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

Shell Oil Company, Incorporated

State

Well No. 2-A

in the

Company or Operator

Lease

NE/4

of Sec. 36

T.

24-S

R. 36-E

N. M. P. M.,

Langlie-Mattix

Field,

Lea

County.

The dates of this work were as follows: 1-3-49

Notice of intention to do the work was (was not) submitted on Form C-101 on 1-3 1949

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spudded 12:30 a.m. 1-3-49.

Witnessed by J. K. Pevehouse Shell Oil Company, Incorporated Production Foreman
Name Company Title

Subscribed and sworn before me this 4th
day of January 19 49

Notary Public

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

Name Frank R. LoveringPosition District SuperintendentRepresenting Shell Oil Company, Incorporated
Company or Operator

My commission expires

Address Box 1457 Hobbs, New Mexico

Remarks:

APPROVED

Date

JAN 11 1949

Notary Public
Name J. K. Pevehouse
Title

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

ORIGINAL

NOTICE OF INTENTION TO DRILL

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 approval. See additional instructions in Rules and Regulations of the Commission.

Hobbs, New Mexico

January 3, 1949

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

Shell Oil Company, Incorporated

State

Well No. 2-A

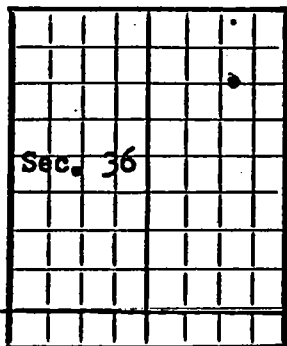
in NE/4

Company or Operator

Lease

of Sec. 36, T. 24-S, R. 36-E, N. M., P. M. Langlie-Mattix Field, Lea County.

N



AREA 640 ACRES

LOCATE WELL CORRECTLY

The well is 1980 feet (N.) (S.) of the north line and 735 feet (E.) (W.) of the east line of Sec. 36 T 24-S, R 36-E

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

If state land the oil and gas lease is No. B-1167 Assignment No.

If patented land the owner is

Address

If government land the permittee is

Address

The lessee is Shell Oil Company, Incorporated

Address Box 1457 Hobbs, New Mexico

We propose to drill well with drilling equipment as follows:

Conventional rotary rig.

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: Blanket bond

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
11"	8 5/8"	32.0#	New	360'	cemented	300 sacks
7 7/8"	5 1/2"	15.5#	New	3375'	cemented	850 sacks

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3375 feet.

Additional information:

See reverse side.

Approved JAN 11 1949 19

except as follows:

Sincerely yours,

Shell Oil Company, Incorporated
Company or Operator

By Frank R. Lovering

Position District Superintendent

Send communications regarding well to

Name Shell Oil Company, Incorporated

Address Box 1457 Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By Roy Yankrauff

Title Oil & Gas Conservation

This well will be drilled with same type mud and under same conditions as Shell State No. 1, (a direct south offset), in which well, cement reached top of salt as determined by temperature and caliper surveys, using 100 sacks less cement than specified above. If hole conditions differ, the Commission will be notified. This well is located 75 feet west of Shell State No. 2 which was J & A 1-1-49. Shell State No. 2 (TD 628') will be tested for water production and if not converted to a water well, will be properly P & A as soon as drilling of State 2-A is complete.

See Appendix

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

November 12, 1982

To all Off-setting Jalmat Gas Owners
Langlie "A" State No. 3
SE/4 NE/4 and NE/4 SE/4
Section 36, T-24-S, R-36-E
Lea County, New Mexico

We respectfully request your approval of the following application to the New Mexico Oil Conservation Division:

1. Simultaneous dedication of the 80 acres consisting of SE/4 NE/4 and NE/4 SE/4 Section 36, T-24-S, R-36-E, Lea County, New Mexico to our presently existing Langlie "A" State No. 2 Jalmat Gas Well and and the soon to be drilled Langlie "A" State No. 3.
2. The drilling of the Langlie "A" State No. 3 at an unorthodox Jalmat gas location consisting of 1980' FSL and 330' FEL of Section 36.

This letter is also your notice of our intention to qualify the proposed Langlie "A" State No. 3 as a Section 103 (Infill) Jalmat Gas Well.

Please designate your approval of the above by signing (1) one copy of this request and returning it in the enclosed stamped self-addressed envelope at your earliest convenience. The other copy of this letter is to be retained for your files.

Thank you for your cooperation in this matter.

Very truly yours,
Doyle Hartman, Oil Operator

Larry A. Nermyr

Larry A. Nermyr
Engineer

Agreed to this _____ day of _____, 1982

The First National Bank of Fort Worth, Texas

By _____

Title _____

Sun-Texas

By _____

Title _____

Langlie "A" State No. 3 - Offsetting Jalmat Gas Owners
November 12, 1982
Page 2

Getty Oil Company

By _____

Title _____

Convast Energy Corporation

By _____

Title _____

Phillips Petroleum Company

By _____

Title _____

P111964483

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

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

AGE	\$ 71
CERTIFIED FEE	75
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
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	
POSTAGE AND FEES	\$ 2.06
MARK OR DATE	

Langlie "A" No. 3

CERTIFIED MAIL

P111964483

MAIL

DOYLE HARTMAN
P. O. BOX 10426
MIDLAND, TEXAS 79702

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

Attention: Mr. Audra B. Cary
District Manager of Production

NOV 12 '82
TEX.
2.06

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered 60¢
☐ Show to whom, date, and address of delivery .. —¢

2. ☐ RESTRICTED DELIVERY —¢
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ 60

3. ARTICLE ADDRESSED TO:
Getty Oil Company
P. O. Box 1231
Midland, Texas 79702

4. TYPE OF SERVICE: ARTICLE NUMBER
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD 1964483
☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

Langlie "A" No. 3

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

NOV 12 '82
TEX.
U.S. POSTAGE
207-243
≈ 2.00

P11 1964489

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO
First National Bank of
Fort Worth, Texas
P. O. Box 2546
FORT WORTH, TEXAS 76113

POSTAGE		71
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	75
	SPECIAL DELIVERY	
	RESTRICTED DELIVERY	
	OPTIONAL SERVICES	
RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	60
	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		2.06
POSTMARK OR DATE		

Langlie "A" No. 3

CERTIFIED

P11 1964489

MAIL

DOYLE HARTMAN P. O. BOX 10426 MIDLAND, TEXAS 79702	
TO:	The First National Bank of Fort Worth P. O. Box 2546 Fort Worth, Texas 76113
	Attention: Trust Department (Millard Deck Testamentary Trust No. 4193) Kenneth King

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered 60
☐ Show to whom, date, and address of delivery

2. ☐ RESTRICTED DELIVERY
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ 60

3. ARTICLE ADDRESSED TO:
The First National Bank of Fort
Worth, Texas
P. O. Box 2546
Fort Worth, Texas 76113

4. TYPE OF SERVICE:
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD
☐ EXPRESS MAIL

ARTICLE NUMBER
1964489

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

Langlie "A" No. 3

NOV 12 '82
TEX.
202
2.06

P11 1964482

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO	
Sun-Texas	
STREET AND NO	
P. O. Box 4067	
P.O. STATE AND ZIP CODE	
Midland, Texas 79702	
POSTAGE	
\$ 2.06	
CERTIFIED FEE	
75c	
SPECIAL DELIVERY	
RESTRICTED DELIVERY	
60c	
TOTAL POSTAGE AND FEES	
\$ 2.06	
POSTMARK OR DATE	
Langlie "A" No. 3	

DOYLE HARTMAN
P. O. BOX 10426
MIDLAND, TEXAS 79702

TO:

Sun-Texas
P. O. Box 4067
Midland, Texas 79702

Attention: Mr. M. L. Schroder
District Manager of Reservoir
Engineering

PS Form 3811, Dec. 1980

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

☒ Show to whom and date delivered 60c

☐ Show to whom, date, and address of delivery. —

2. ☐ RESTRICTED DELIVERY
(The restricted delivery fee is charged in addition to
the return receipt fee.) —

TOTAL \$ 60

3. ARTICLE ADDRESSED TO:
Sun-Texas
P. O. Box 4067
Midland, Texas 79702

4. TYPE OF SERVICE: ☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD
☐ EXPRESS MAIL

ARTICLE NUMBER
1964482

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

Langlie "A" No. 3

PS Form 3800, Apr. 1976

CERTIFIED
P11 1964482
MAIL

P11 1964490
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO
Convest Energy Corp.
 STREET AND NO.
Suite 700, Fountain View
 P.O. STATE AND ZIP CODE
Houston, Texas 77057

POSTAGE		\$ 71
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	75¢
	SPECIAL DELIVERY	¢
	RESTRICTED DELIVERY	¢
	SHOW TO WHOM AND DATE DELIVERED	60¢
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY	¢
OPTIONAL SERVICES	RETURN RECEIPT SERVICE	¢
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢

TOTAL POSTAGE AND FEES \$2.06

POSTMARK OR DATE

Langlie "A" No. 3

CERTIFIED

P11 1964490

MAIL

DOYLE HARTMAN
 P. O. BOX 10426
 MIDLAND, TEXAS 79702

TO:
 Convest Energy Corporation
 Suite 700
 2401 Fountain View Drive
 Houston, Texas 77057

 Attention: Mr. Ken F. Fagan
 Vice President Engineering

PS Form 3811, Dec. 1980

● **SENDER:** Complete items 1, 2, 3, and 4.
 Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
☒ Show to whom and date delivered 60¢
☐ Show to whom, date, and address of delivery .. ¢

2. ☐ **RESTRICTED DELIVERY**
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

3. **ARTICLE ADDRESSED TO:**
 Convest Energy Corporation
 Suite 700, 2401 Fountain View
 Houston, Texas 77057

4. **TYPE OF SERVICE:**
☐ REGISTERED ☐ INSURED
☒ CERTIFIED ☐ COD
☐ EXPRESS MAIL

ARTICLE NUMBER
 1964490

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐ Addressee ☐ Authorized agent

5. **DATE OF DELIVERY** **POSTMARK**

6. **ADDRESSEE'S ADDRESS** (Only if requested)

7. **UNABLE TO DELIVER BECAUSE:** 7a. **EMPLOYEE'S INITIALS**

Langlie "A" No. 3

NOV 12 '82
TEX.
2024342
POSTAGE
2.06

P111964491

RECEIPT FOR CERTIFIED MAIL

INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Phillips Petroleum
4001 Pembroke
Odessa, Texas 79762

POSTAGE AND FEES

CERTIFIED FEE 75¢

SPECIAL DELIVERY 60¢

RESTRICTED DELIVERY

POSTAGE AND FEES 2.06

Langlie "A" No. 3

DOYLE HARTMAN
P. O. BOX 10426
MIDLAND, TEXAS 79702

TO:

Phillips Petroleum Company
4001 Pembroke
Odessa, Texas 79762

Attention: S. R. Smith
Director Reservoir Engineering

PS Form 3811, Dec. 1980

● SENDER: Complete Items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one). 60¢

☒ Show to whom and date delivered

☐ Show to whom, date, and address of delivery

2. ☐ RESTRICTED DELIVERY (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ 60

3. ARTICLE ADDRESSED TO:
Phillips Petroleum
4001 Pembroke
Odessa, Texas 79762

4. TYPE OF SERVICE: ARTICLE NUMBER

☐ REGISTERED ☐ INSURED 1964491

☒ CERTIFIED ☐ COD

☐ EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Authorized agent

5. DATE OF DELIVERY POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S INITIALS

Langlie "A" No. 3

CERTIFIED

P111964491