

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



GARREY CARRUTHERS
GOVERNOR

Nov. 17, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

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

Attention: Michelle Hembree

RE: Administrative Order NFL-172

Dear Ms. Hembree:

Reference is made to your application for an Infill Well Finding and Well-Spacing Waiver made pursuant to Section 271.305(b) of the Federal Energy Regulatory Commission regulations, Natural Gas Policy Act of 1978, and the Oil Conservation Division Order No. R-6013 for the following described well:

H.S. Record Well No. 9 located 660 feet from the North line and 1820 feet from the East line (Unit B) of Section 22, Township 22 South, Range 36 East, NMPM, Lea County, New Mexico.

THE DIVISION FINDS THAT:

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

(2) By Division Order No. R-6013, dated June 7, 1979, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.

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

(4) A non-standard 160-acre gas proration unit comprising the NE/4 of Section 22, Township 22 South, Range 36 East, is currently simultaneously dedicated to the subject well as described above and to the H.S. Record Well No. 1 located in Unit A of said Section 22.

(5) Said non-standard unit was previously approved by Division Administrative Order NSP-1485(SD).

(6) Said unit is not being effectively and efficiently drained by the existing well on the unit.

(7) The drilling and completion of the well for which a finding is sought should result in the production of an additional 530,258 MCF of gas from the proration unit which would not otherwise be recovered.

(8) All the requirements of Division Order No. R-6013 have been complied with, and 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) In order to permit effective and efficient drainage of said proration unit, the subject application should be approved as an exception to the standard well spacing requirements for the pool.

IT IS THEREFORE ORDERED THAT:

(1) The applicant is hereby authorized to drill the H.S. Record Well No. 9 as described above, as an infill well on a 160-acre non-standard gas proration unit comprising the NE/4 of Section 22, Township 22 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico. The authorization for infill drilling granted by this order is an exception to applicable well spacing requirements and is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

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

Sincerely,



Michael E. Stogner
Examiner

cc: Oil Conservation Division - Hobbs

Doyle Hartman
P.O. Box 10426
Midland, Texas

Attention: Michelle Hembree

Re: Administrative Order NFL- 172

Dear Ms. Hembree:

Reference is made to your application for an Infill Well Finding and Well-Spacing Waiver made pursuant to Section 271.305(b) of the Federal Energy Regulatory Commission regulations, Natural Gas Policy Act of 1978, and Oil Conservation Division Order No. R-6013 for the following described well:

H.S. Record Well No. 9
located 660 feet from the North (South) line and 1820 feet from the East (West) line (Unit B) line of Section 22, Township 22 (North) South, Range 36 (East) (West), NMPM, Johnston County, New Mexico.

THE DIVISION FINDS THAT:

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

(2) By Division Order No. R-6013, dated June 7, 1979, the Division established an administrative procedure whereby the Division Director and the Division Examiners are

empowered to act for the Division and find that an infill well is necessary.

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

(4) A (standard) ~~(non-standard)~~ 160 -acre (oil) ~~(gas)~~ proration unit comprising the NE 1/4 of Section 22, Township 22 (North) ~~(South)~~, Range 31 ~~(East)~~ ~~(West)~~, is currently dedicated to the subject well as described above and to the N.S. Record ^{simultaneously} Well No. 1 located in Unit A of said Section 22.

Administrative Order (5) Said nonstandard unit was previously approved by *Division* Order ~~No.~~ NSP-1485(SA)

(6) Said unit is not being effectively and efficiently drained by the existing ~~(well)~~ (wells) on the unit.

(7) The drilling and completion of the well for which a finding is sought should result in the production of an additional 530,258 MCF of gas from the proration unit which would not otherwise be recovered.

(8) All the requirements of Division Order No. R-6013 have been complied with, and 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) In order to permit effective and efficient drainage of said proration unit, the subject application should be approved as an exception to the standard well spacing requirements for the pool.

IT IS THEREFORE ORDERED THAT:

non-standard (1) The applicant is hereby authorized to drill the N.S. Record Well No. 9 as described above, as an infill well on ~~the existing~~ a 160-acre (oil) ~~(gas)~~ proration unit comprising the NE 1/4 of Section 22, Township 22 (North) ~~(South)~~, Range 26 ~~(East)~~ ~~(West)~~, NMPM, Jalmat Gas Pool, 499 County, New Mexico. The authorization for infill drilling granted by this order is an exception to applicable well spacing requirements and is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

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

Sincerely,

Michael E. Stogner
Examiner

N.M.O.C.D. -

A handwritten signature in cursive script, appearing to read "Holler", is written over a horizontal line.

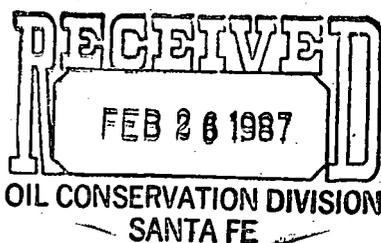
JOE C. NEAL & ASSOCIATES

PETROLEUM CONSULTANTS

ONE MARIENFELD PLACE SUITE 370

MIDLAND, TEXAS 79701

915: 683-4371



February 23, 1987

New Mexico Oil Conservation Division
District IV
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Mike Stogner

Re: Administrative Application For Infill Well Findings
For Doyle Hartman - H. S. Record-9
Section 22, T-22-S, R-36-E, 660' FNL and 1,820' FEL
Jalmat (Gas) Pool, Lea County, New Mexico

Gentlemen:

Application is hereby made for an administrative infill well finding along with initial gas deliveries for the subject well in accordance with Exhibit "A", Oil Conservation Division, New Mexico Department of Energy and Minerals, Order R-6013-A. The following complies with the requirements of the above 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. The standard spacing for the pool is 640 acres.

Rule 7: The non-standard proration unit and unorthodox well location was approved by administrative order NSP-1485-(SD), a copy of which is attached hereto. The order was executed March 4, 1986, by Mr. R. L. Stamets, Director of Oil Conservation Division.

Rule 8: See attached Table 1 - Summary of Required Information, Rule 8, Exhibit "A", Order R-6013-A for requirements of Section "A" through "F". Section "G" requires "a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit".

The Jalmat (Gas) Pool well to which the present 160-acre non-standard proration unit was assigned, is the Doyle Hartman H. S. Record-1 Well. This well produced a mean daily average of 27.4 MCF of gas for the months

of January and February 1986, with a cumulative gas production of 3,896,000 MCF of gas as of January 1, 1987. As can be seen from the attached summarized completion data, and the well log for the Doyle Hartman (formerly Sun Exploration & Production Company's H. S. Record Unit-1) H. S. Record-1, the completion covers a gross interval of 145 feet from 3,387 to 3,532 feet. This correlates with the intervals in the Doyle Hartman H. S. Record-9 Well from 3,328 to 3,503 feet, but contains additional pay that was not treated in the H. S. Record-1 Well. The H. S. Record-9 Well perforations cover a gross interval of 175 feet, with an estimated net effective pay interval of 61 feet. The volumes of stimulation were significantly different for these wells and are as follows:

	<u>Doyle Hartman H.S. Record-9</u>	<u>Doyle Hartman H.S. Record-1</u>
Gross Completion Interval, Feet	175	145
Estimated Net Effective Pay Thickness, Feet	61	51
Volume of Stimulation:		
Acid, Gallons	6,450	1,000
Fracture Treatment, Gallons	Not Fractured	60,000
Pounds of Propant	Not Fractured	---
Volume of Stimulation Per Foot of Estimated Net Effective Pay:		
Gallons/Foot	---	1,176
Pounds/Foot	---	---
Production:		
January 1986, MCF	10,882	1,365
February 1986, MCF	13,945	252
Cumulative At January 1987, MCF	28,793	3,896,000

The infill Doyle Hartman H. S. Record-9 Well has 1.2 times greater gross perforated interval as compared to the Doyle Hartman H. S. Record-1 Well. The H. S. Record-1 Well was originally completed natural (no treatment) in open hole. In 1980, the well was deepened from 3,490 to 3,914 feet and a 4-inch liner was installed. The well was then perforated from 3,387 to 3,532 feet. The well flowed 30 MCF of gas per day after treatment. Either the stimulation of the well was not effective or severe depletion had previously occurred.

The most recent shut-in wellhead pressure reported for the H. S. Record-1 Well was 13 psia on July 2, 1985. A graphical plot of the shut-in wellhead pressure indicates that severe pressure decline occurred from October 1971 to August 1973 with the wellhead pressure dropping from 307 to 117 psia. Pressures were fairly constant from the years 1973 to 1983, at which time they began to decline rapidly, dropping from 115 psia in 1983 to 13 psia in July 1985. For all practical purposes, the H. S. Record-1 has been shut-in since February 1986. The shut-in wellhead pressure was 118 psia on February 8, 1987. It is my opinion that the reported wellhead pressure of 13 psia was not an accurate pressure. The shut-in wellhead pressure for the infill H. S. Record-9 Well was 300 psia on February 8, 1987.

The total interval of completion for the infill H. S. Record-9 is 175 feet thick, while the correlating interval in the pre-existing H. S. Record-1 Well was completed with approximately 145 feet. The additional 30 feet of gross pay has been perforated and stimulated in the infill H. S. Record-9 Well.

The reason the pre-existing H. S. Record-1 Well cannot efficiently and effectively drain the portion of the reservoir covered by the proration unit is that the well has less estimated net effective pay present and less gross pay opened and stimulated than does the H. S. Record-9 Well.

Rule 9

Section A: Attached is a Yates Formation structure map for the area including and surrounding the Doyle Hartman H. S. Record-9 Well, as required by Rule 9, Section A.

Section B: Below is a narrative describing the volume of increased ultimate recovery expected to be obtained and how it was calculated as required by Rule 9, Section B. The H. S. Record-9 Well has a volumetrically calculated estimated ultimate recovery of 530,258 MCF of gas from the 160-acre proration unit. We have assigned 187,387 MCF of remaining gross gas reserves to the pre-existing H. S. Record-1 Well at February 8, 1987. The estimate of increased gross gas recovery for the H. S. Record-9 Well was accomplished as follows:

1. The well logs on the H. S. Record-9 Well were analyzed and provided the following information:

Average Porosity, Fraction of Bulk Volume	0.191
Average Connate Water Saturation, Fraction of Net Effective Pore Volume	0.550
Net Effective Pay Thickness, Feet	61.000

2. Production tests for the H. S. Record-9 Well were performed on February 8, 1987. Analysis of these tests showed the following:

Initial Stabilized Wellhead Shut-in Pressure, Psia	300
Initial Gas Formation Volume Factor, SCF/CF	19.4

3. The volumetrically calculated estimated ultimate recovery was determined using the above information and is as follows:

Original Gas-In-Place:	
MCF/Acre	4,431
MCF/160 Acre	708,901
Estimated Gas Recovery Factor	
Fraction of Original Gas-In-Place	0.748
Estimated Ultimate Recovery,	
MCF/160 Acres	530,258

Section C: Additional supporting data are as follow:

1. Summarized completion data with well logs for the pre-existing H. S. Record-1 Well and the infill H. S. Record-9 Well.
2. Tabulated historical gas production data with a graphical display for the Doyle Hartman H. S. Record-1 and -9 Wells.
3. Complete New Mexico Oil Conservation Division (NMOCD) Forms on file for both the pre-existing H. S. Record-1 Well and the infill H. S. Record-9 Well.

We believe that the above information adequately documents this request. The report has been prepared in accordance with Exhibit "A", Order R-6013-A. If additional information is needed, please let us know.

Yours very truly,

JOE C. NEAL & ASSOCIATES

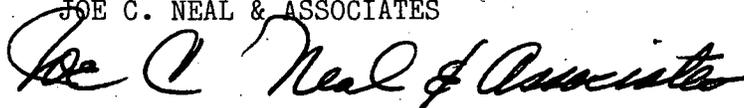


TABLE 1

Summary of Required Information
 Rule 8, Exhibit "A", Order R-6013A
 Section "A" Through "F"
 Natural Gas Policy Act Infill Findings, Administrative Procedure

<u>Section of Rule 8</u>	<u>Rule 8 Requirements</u>	<u>Pre-Existing Well Doyle Hartman, Operator</u>	<u>Infill Application Well Doyle Hartman, Operator</u>
A	Lease Name and Well Location	H. S. Record-1 660' FNL & 660' FEL, Section 22	H. S. Record-9 660' FNL & 1,820' FEL, Section 22
G	Spud Date	08/05/48	11/29/85
C	Completion Date	08/23/48	12/14/85
D	Mechanical Problems	None	None
E	Current Rate of Production	Produced 27.4 MCFPD Average for January and February 1986	Produced 451.4 MCFPD Average for January and February 1986
F	Date of Plug and Abandonment	Not Plugged	Not Plugged

30-025-39484
FEEC

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEEC

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

7. Unit Agreement Name

2. Name of Operator
Doyle Hartman

8. Farm or Lease Name
H. S. Record

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

9. Well No.
9

4. Location of Well UNIT LETTER B LOCATED 660 FEET FROM THE North LINE
AND 1820 FEET FROM THE East LINE OF SEC. 22 TWP. 22S RGE. 36E NMPM

10. Field and Pool, or Wildcat
Jalmat (Gas)

19. Proposed Depth 3800
19A. Formation Yates-Seven Rivers
20. Rotary or C.T. Rotary

12. County
Lea

21. Elevations (Show whether DI, RT, etc.) 3531.5 G.L.
21A. Kind & Status Plug. Bond Multi-Well Approved
21B. Drilling Contractor Not-Selected

22. Approx. Date Work will start
November 1985

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	400	200	Circulate
8-3/4	7	23	3800	600	Circulate

Before drilling out from under the surface pipe, the well will be equipped with a 3000 psi, 10-inch series 900 Double-Ram Hydraulic BOP.

Note: Any gas produced from this well is dedicated to El Paso Natural Gas Co.

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

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

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

Signed Larry A. Winger Title Engineer Date October 28, 1985

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY _____ TITLE _____ DATE NOV 27 1985

CONDITIONS OF APPROVAL, IF ANY:

DEC 2 1985

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

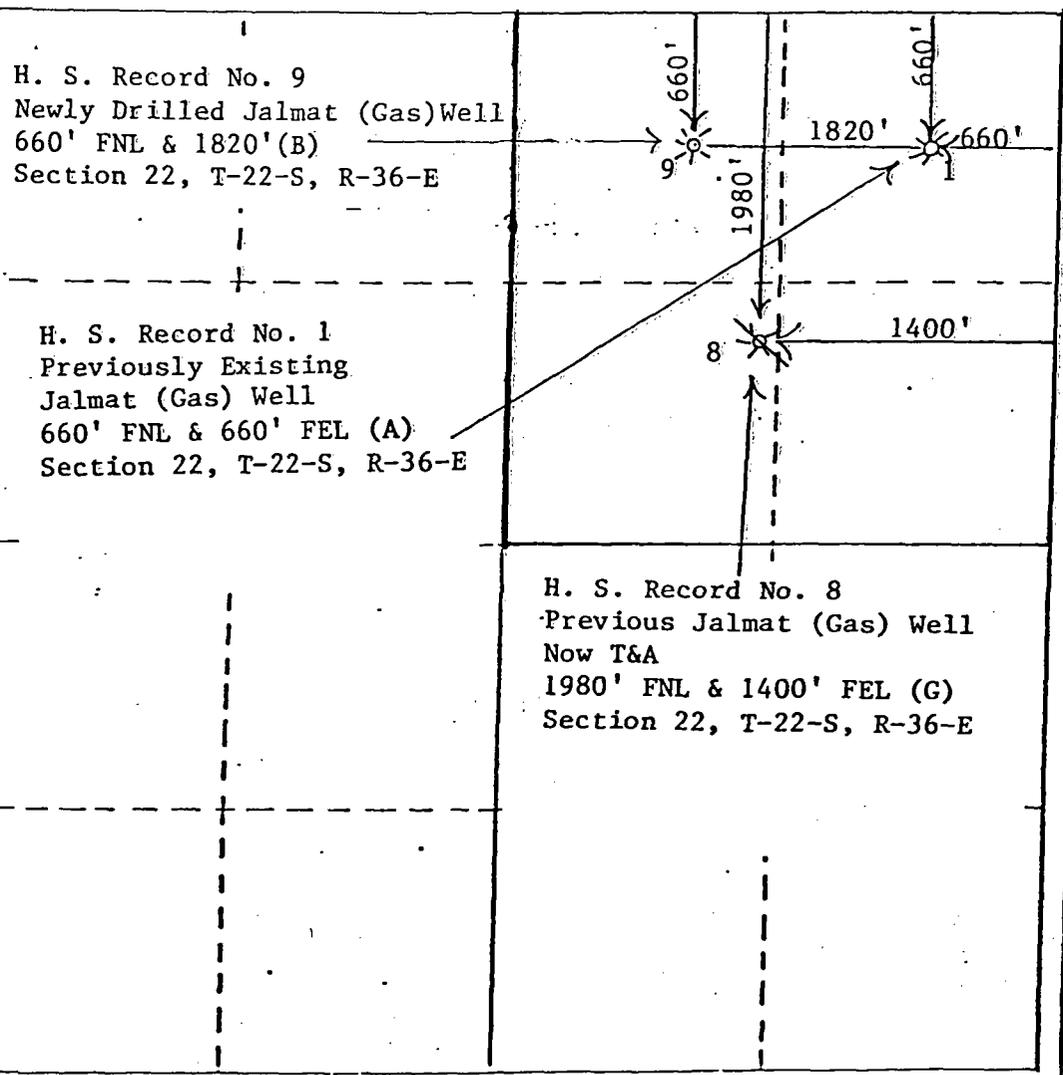
Owner Doyle Hartman		Lease H. S. Record 9		Well No. 9	
Well Letter B	Section 22	Township 22-South	Range 36-East	County Lea	
Actual Location of Well: 660 feet from the North line and 1400³ feet from the East line					
Ground Level Elev. 3531.5	Producing Formation Yates-Seven Rivers		Pool Jalpat (Gas)	Dedicated Acres 160	

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

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

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

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



CERTIFICATION
<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>
Name Michelle Hembree
Position Administrative Assistant
Company Doyle Hartman
Date March 31, 1986
<i>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.</i>
Date Surveyed .
Registered Professional Engineer and/or Land Surveyor
Certificate No.

50 YEARS



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION



1935 - 1985

TONY ANAYA
GOVERNOR

March 4, 1986

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

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

Attention: Michelle Hembree,
Administrative Assistant

Administrative Order NSP-1485-(SD)

Dear Ms. Hembree:

Reference is made to your application for a 160-acre non-standard gas spacing and proration unit consisting of the SE/4 of Section 22, Township 22 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Also, you are hereby authorized to simultaneously dedicate this unit to your H. S. Record Wells Nos. 1 and 9 located 660 feet from the North and East lines (Unit A) and 660 feet from the North line and 1820 feet from the East line (Unit B), respectively, of said Section 22. Further, you are hereby permitted to produce the allowable assigned the unit from these wells in any proportion.

By authority granted me under the provisions of Division Order No. R-1670, as amended, governing the Jalmat Gas Pool, the above non-standard gas spacing and proration unit is also approved.

Sincerely,

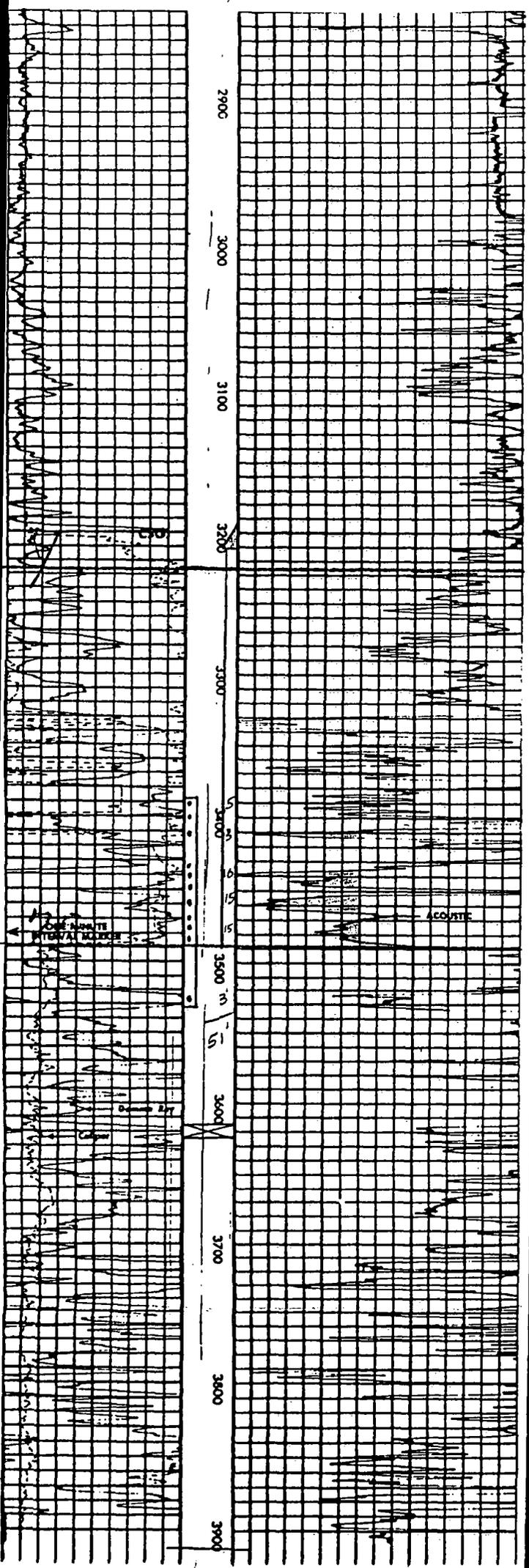
R. L. STAMETS,
Director

cc: Oil Conservation Division - Hobbs



MAR 10 1986

COMPANY New Tex Oil Co.
 (Sun)
 WELL Record No. 1
 FIELD S. Eunice
 LOCATION 660 FNL & 660 FEL (A)
Section 22, T-22-S, R-36-E
 COUNTY LEA
 STATE NEW MEXICO
 ELEVATIONS: KB _____
 DF 3538
 GL _____



COMPLETION RECORD

SPUD DATE 8-5-48 COMP. DATE 8-23-48
 TD 3490 PBD _____
 CASING RECORD 13 3/8 @ 60 w/50
9 5/8 @ 1606 w/1000
5 1/2 @ 3201 w/800
 PERFORATING RECORD OH: 3201-3490
(Gates)
 STIMULATION NATURAL
 IP IPF=3060 MCFPD
 GOR _____ GR _____
 TP SITP=1100# CP SICP 1135#
 CHOKE 2 TUBING 2 @ 3454
 REMARKS NST 3205-65: Op 45 min
Sl. flare. Rec 30' mud. No Shows.
NST 3265-3490: Op 45 min.
GTS 4 min, MUD 7 min. Est gas
5000 MCFPD. (Sweet).
2-11-80: DEEPENED TO 3914. Ran
4" liner (2982-3914). PBD @ 3615.
Perf: 3387 - 3532. F/30 MCFPD.
A/1000. SF/60,000.
 Avg 1984 Prod: 5 MCFPD
 12-31-84 Cum: 3823 MMCF
 6-25-84: PSIA 71.2

A-22-22S-36E

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OPERATOR	

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

3a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____

7. Unit Agreement Name

8. Farm or Lease Name
H. S. Record

9. Well No.
9

10. Field and Pool, or Wildcat
Jalpat (Gas)

2. Name of Operator
Doyle Hartman

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

4. Location of Well
UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1820 FEET FROM _____

_____ East LINE OF SEC. 22 TWP. 22S RGE. 36E NMPM _____

12. County
Lea

15. Date Spudded 11-29-85 16. Date T.D. Reached 12-05-85 17. Date Compl. (Ready to Prod.) 12-14-85 18. Elevations (DF, RAB, RT, GR, etc.) 3531.5 G.L. 19. Elev. Casinghead 3532

20. Total Depth 3830 21. Plug Back T.D. 3823 22. If Multiple Compl., How Many _____ 23. Intervals Drilled By: Rotary Tools 0-3830 Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
3328-3503 (Yates-Seven Rivers)

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
CDL-DSN; Guard-Forxo; Dual Induction-Guard; RFT

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	423	12-1/4	350 sx (circ)	None
7	26	3830	8-3/4	800 sx (circ)	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8	3378	None

31. Perforation Record (Interval, size and number)
22 shots with one shot each at: 3328, 3343, 3357, 3360, 3363, 3366, 3401, 3404, 3407, 3410, 3416, 3425, 3429, 3432, 3435, 3443, 3446, 3449, 3452, 3454, 3498, 3503

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3328-3503	A/6450 gal

PRODUCTION

33. Date First Production 12-14-85 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
12-15-85	24	20/64	→	---	143	---	---

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
FTP= 43	FCP= 150	→	---	143	---	---

Disposition of Gas (Sold, used for fuel, vented, etc.) Vented Test Witnessed By Harold Swain

List of Attachments
Deviation Survey & C-104

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Larry A. Nermyr TITLE Engineer DATE December 17, 1985

DEC 31 1985

COMPANY Doyle Hartman

WELL H.S. Record No. 9

FIELD Jalmat (Gas)

LOCATION 660FNW & 1820FEL (B)
Section 22, T-22-S, R-36-E

COUNTY Lea

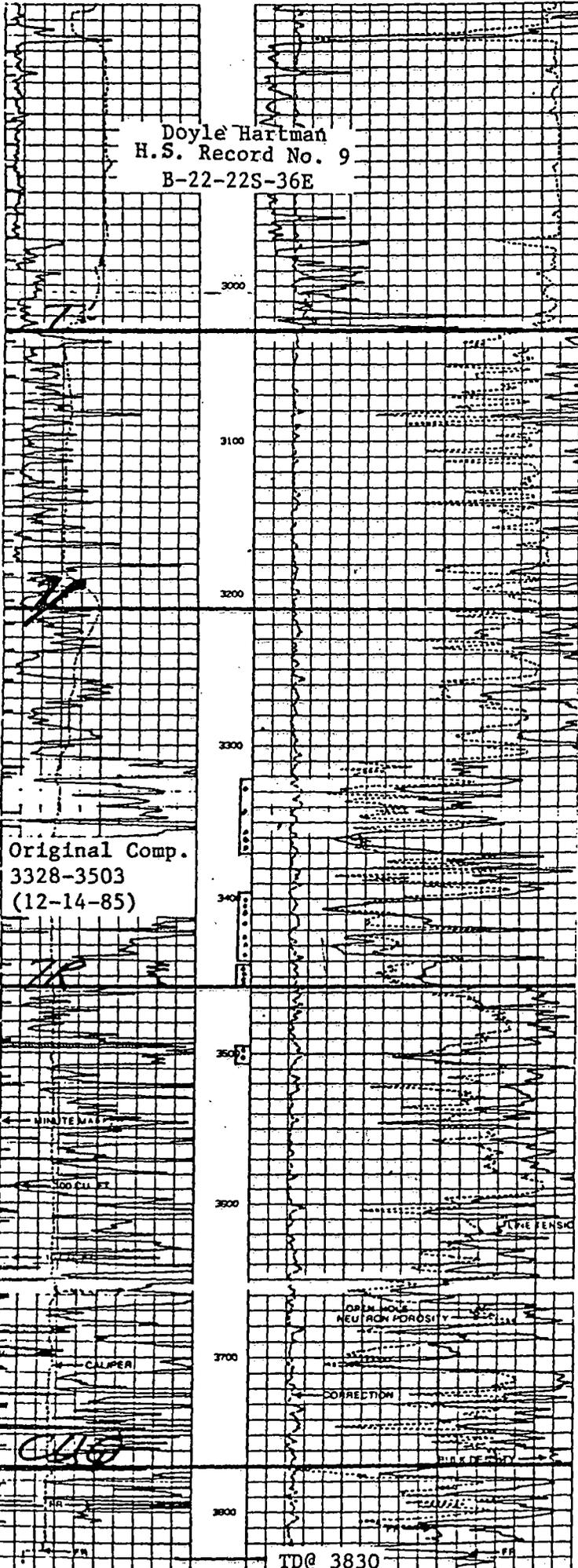
STATE New Mexico

ELEVATIONS:

KB 3541.5

DF

GL 3531.5



COMPLETION RECORD

SPUD DATE 11-29-85 COMP. DATE 12-14-85

TD 3830 PBTD 3823

CASING RECORD 9 5/8 @ 423 w/ 350
7 @ 3830 w/ 800

PERFORATING RECORD Perf: 3328-3503

STIMULATION A/6450

IP IPF = 143 MCFPD

GOR GR

TP 43 CP 150

CHOKE 20/64 TUBING 2 3/8 @ 3378

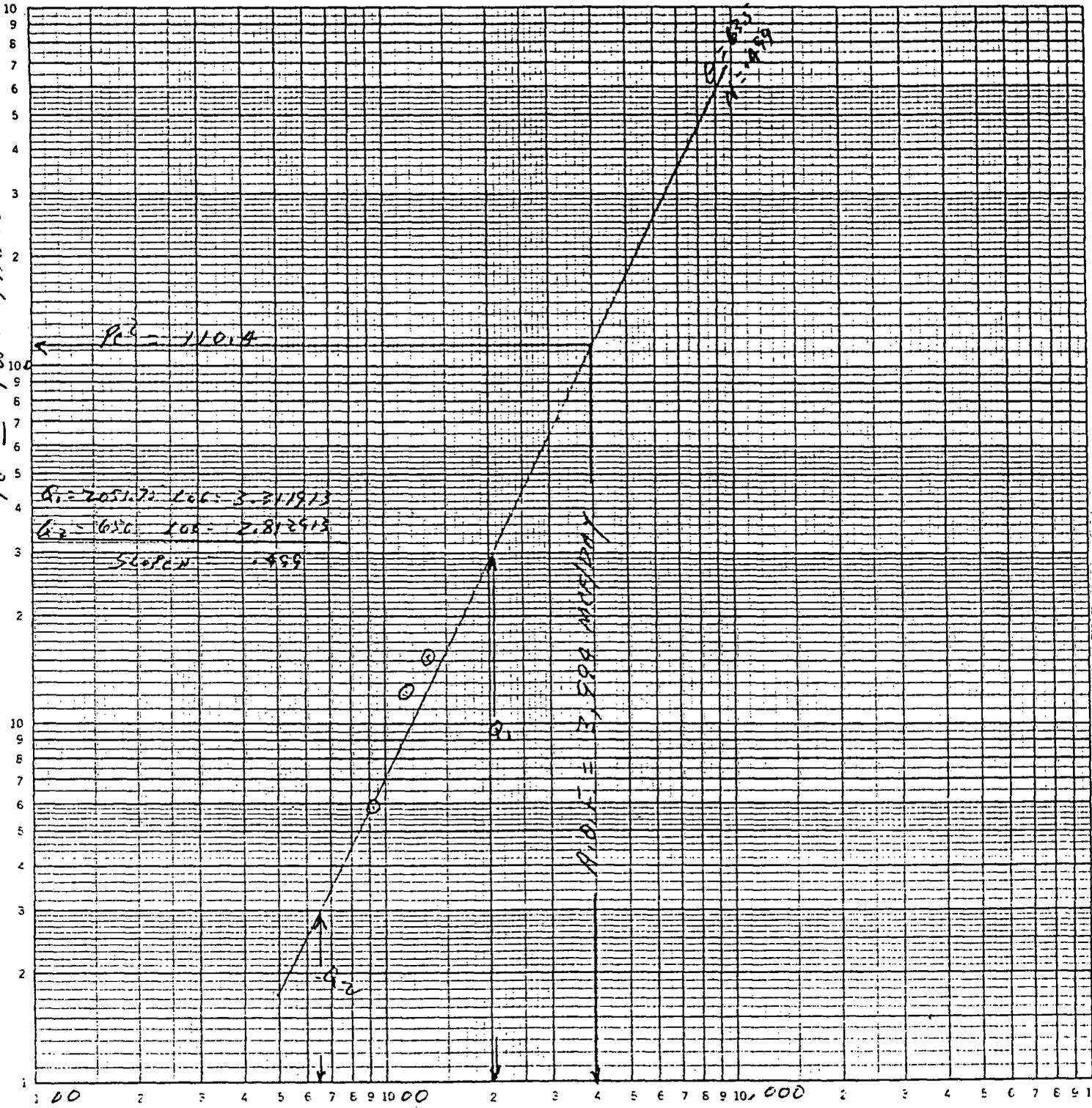
REMARKS

D 22-22S-36E

DOYLE HARTMAN
 N.S. RECORD No. 9

467400
 Pw 2 THS.NDS.
 Pw 2

KE LOGARITHMIC 3 X 3 CYCLES
 KEUFFEL & ESSER CO. MADE IN U.S.A.



G-MCF/DAY

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5a. Indicate Type of Lease
State Free
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. Name of Operator
Doyle Hartman

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

4. Location of Well
UNIT LETTER B 660 FEET FROM THE North LINE AND 1820 FEET FROM
THE East LINE, SECTION 22 TOWNSHIP 22S RANGE 36E N.M.P.M.

5. Elevation (Show whether DF, RT, CR, etc.)
3531.5 G.L.

6. 7. Unit Agreement Name
8. Form or Lease Name
H. S. Record
9. Well No.
9
10. Field and Pool, or Whidcat
Jalmat (Gas)
12. County
Lea

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

PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPMS. PLUG AND ABANDONMENT
PULL OR ALTER CASING OTHER CASING TEST AND CEMENT JOBS OTHER

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

Drilled well to a total depth of 3830'. Ran 92 joints (3831.91') of 7" OD, 26 lb/ft, ST&C casing and landed at 3830'. Cemented with 500 sx of API Class C cement containing 3% Econolite, 5 lb/sx Gilsonite and 1/4 lb/sx Floseal followed by 300 sx of a 50-50 blend of Pozmix A containing 18% Salt, 5 lb/sx Gilsonite and 1/2 lb/sx Floseal. Plug down at 5:30 a.m. 12-07-85. Circulated 200 sx excess cement to pits. Pressure tested casing to 1500 psi and pressure held okay. Released pressure and float held okay.

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

SIGNED Michelle Hernandez TITLE Administrative Assistant DATE December 12, 198

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

5a. Indicate Type of Lease
State Free

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. Name of Operator
Doyle Hartman

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

4. Location of Well
UNIT LETTER B 660 FEET FROM THE North LINE AND 1820 FEET FROM
THE East LINE, SECTION 22 TOWNSHIP 22S RANGE 36E T11PM.

7. Unit Agreement Name

8. Firm or Lease Name
H. S. Record

9. Well No.
9

10. Field and Pool, or Wildcat
Jalmat (Gas)

11. Elevation (Show whether DF, RT, CR, etc.)
3531.5 G.L.

12. County
Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

Spudded well at 3:00 p.m. CST 11-29-85. Drilled 12-1/4" hole to a total depth of 426' with spud mud. Ran 11 joints (426.40') of 9-5/8" OD, 36 lb/ft, ST&C casing and landed at 423'. Cemented with 350 sx of API Class C cement containing 2% CaCl. Plug down at 2:30 a.m. CST 11-30-85. Circulated 80 sx of excess cement to pits. WOC 21-1/4 hours.

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

SIGNED Michelle Hernandez TITLE Administrative Assistant DATE December 3, 1985

ORIGINAL SIGNED BY JERRY SCATON
DISTRICT I SUPERVISOR

DEC 5 - 1985

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

DEC 9 1985

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

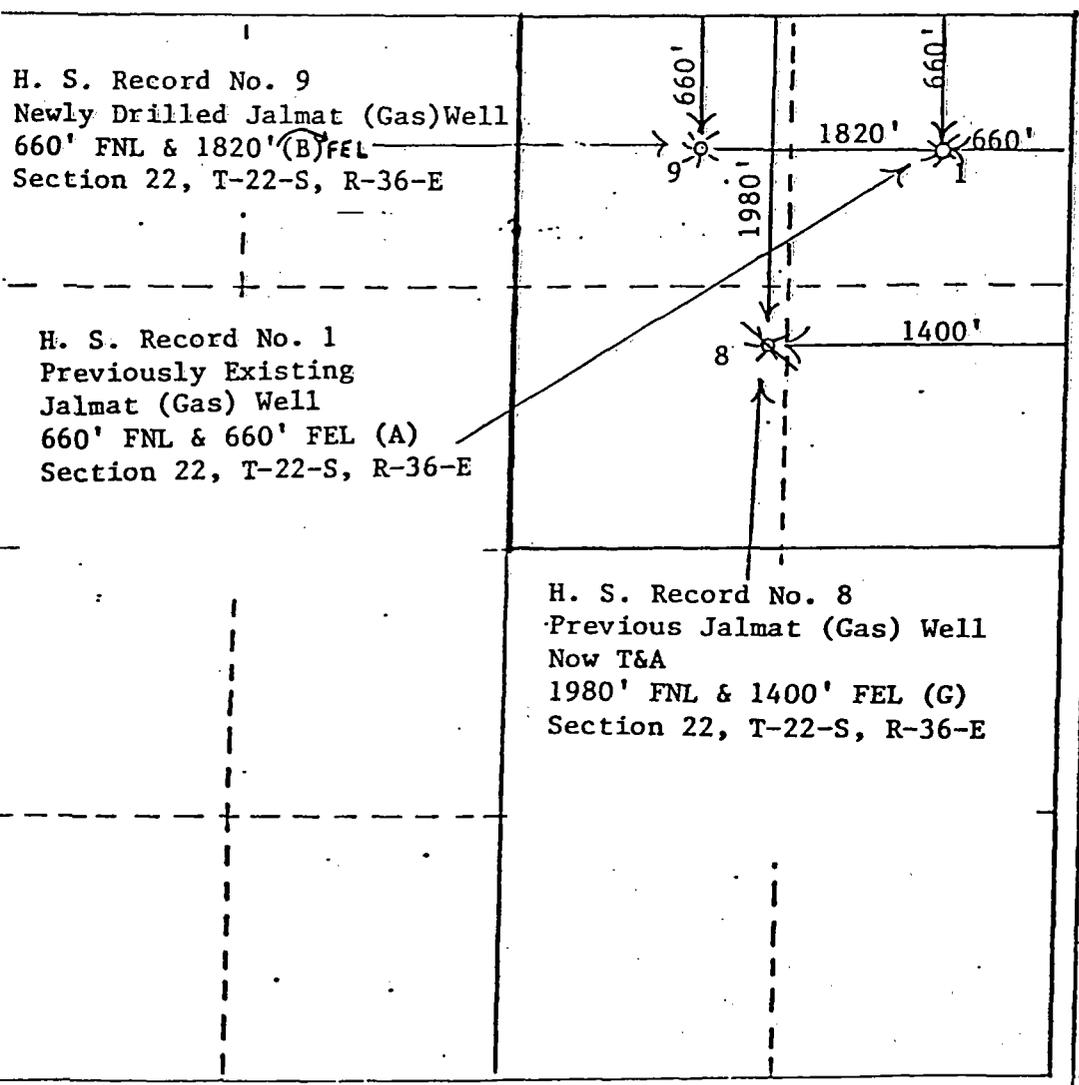
Owner Doyle Hartman		Lease H. S. Record		Well No. 9
Well Letter B	Section 22	Township 22-South	Range 36-East	County Lea
Well Location: Location of Well: 660 feet from the North line and 1820 feet from the East line Ground Level Elev. 3531.5 Producing Formation Yates-Seven Rivers Pool Jalpat (Gas) Dedicated Acreage 160				

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

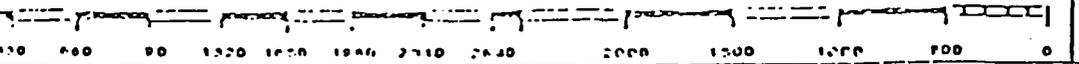
Yes No If answer is "yes," type of consolidation _____

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

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



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>Michelle Hembree</i>	
Name	Michelle Hembree
Position	Administrative Assistant
Company	Doyle Hartman
Date	March 31, 1986
I hereby certify that the well location shown on this plat was plotted from field notes and 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.	



30-025-39484
FEE

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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 FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

2. Name of Operator
✓ Doyle Hartman

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

4. Location of Well
UNIT LETTER B LOCATED 660 FEET FROM THE North LINE
AND 1820 FEET FROM THE East LINE OF SEC. 22 TWP. 22S RGE. 36E NMPM

7. Unit Agreement Name

8. Farm or Lease Name
H. S. Record

9. Well No.
9

10. Field and Pool, or Wildcat
Jalmat (Gas)

12. County
Lea

19. Proposed Depth
3800

19A. Formation
Yates-Seven Rivers

20. Rotary or C.T.
Rotary

21. Elevations (show whether DF, RT, etc.)
3531.5 G.L.

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

21B. Drilling Contractor
Not-Selected

22. Approx. Date Work will start
November 1985

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	400	200	Circulate
8-3/4	7	23	3800	600	Circulate

Before drilling out from under the surface pipe, the well will be equipped with a 3000 psi, 10-inch series 900 Double-Ram Hydraulic BOP.

Note: Any gas produced from this well is dedicated to El Paso Natural Gas Co.

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

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

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

Signed Larry G. Wynn Title Engineer Date October 28, 1985

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY _____ DATE NOV 27 1985

CONDITIONS OF APPROVAL, IF ANY:

DEC 2 1985

WELL LOCATION AND ACREAGE DEDICATION PLAT

Effective 11-63

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

Owner Doyle Hartman		Lease H. S. Record			Well No. 1
Well Letter A	Section 22	Township 22-South	Range 36-East	County Lea	
Actual Well Location of Well:					
660	feet from the North	line and	660	feet from the East	line
Ground Level Elev. 3530	Producing Formation Yates-Seven Rivers		Pool Jalmat (Gas)	Dedicated Acreage 160	

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

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

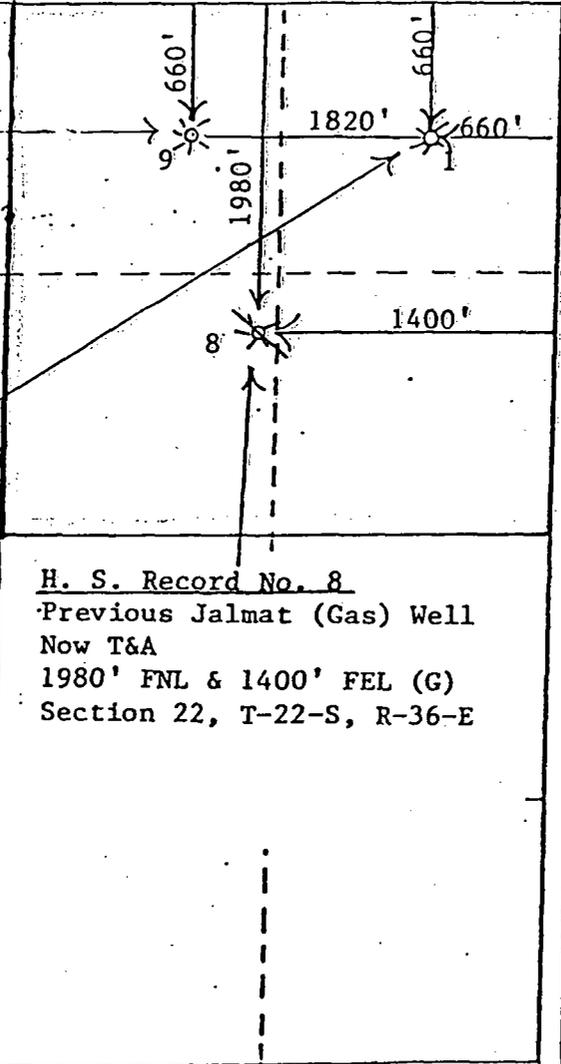
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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

H. S. Record No. 9
Newly Drilled Jalmat (Gas) Well
660' FNL & 1820' (B) FEL
Section 22, T-22-S, R-36-E

H. S. Record No. 1
Previously Existing
Jalmat (Gas) Well
660' FNL & 660' FEL (A)
Section 22, T-22-S, R-36-E

H. S. Record No. 8
Previous Jalmat (Gas) Well
Now T&A
1980' FNL & 1400' FEL (G)
Section 22, T-22-S, R-36-E



CERTIFICATION

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

Michelle Hembree
Name

Michelle Hembree
Position
Administrative Assistant

Doyle Hartman
Company

March 31, 1986
Date

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

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

NEW MEXICO OIL CONSERVATION COMMISSION
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

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SANTA FE			
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LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR			
PRORATION OFFICE			

Operator Doyle Hartman

Address Post Office Box 10426 Midland, Texas 79702

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

If change of ownership give name and address of previous owner New Tex Oil Company P. O. Box 297 Hobbs, New Mexico 88240

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>H. S. Record</u>	Well No. <u>1</u>	Pool Name, including Formation <u>Jalmat Gas (Yates-7 Rivers)</u>	Kind of Lease State, Federal or Fee <u>Fee</u>	Lease No.
Location				
Unit Letter <u>A</u> ; <u>660</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u>				
Line of Section <u>22</u> Township <u>22S</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)
<u>El Paso Natural Gas Company</u>	<u>P. O. Box 1492 El Paso, Texas 79978</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<u>Yes</u> <u>1-04-80</u>

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, CR, etc.)	Name of Producing Formation	Top Oil/Gas Pay			Tubing Depth			
Perforations					Depth Casing Shoe			

OIL CONSERVATION DIVISION
P. O. BOX 2008
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NEW MEXICO
MINERAL DEPARTMENT

RECEIVED	
DATE	
BY	
OPERATOR	
PRODUCTION OFFICE	

OPERATOR
PRODUCTION OFFICE

NEW TEX OIL COMPANY

Address
P. O. Box 297, Hobbs, NM 88240

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

If change of ownership give name and address of previous owner: Sinclair Development Company, Box 2192, Midland, TX 79702

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease
H. S. Record	1	Jalmat Yates Seven Rivers	State, Federal or Fee	
Location	Unit Letter <u>A</u> ; <u>660</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u>			
Line of Section	Township	Range	N.M.P.M.	County
22	22 S	36 E		Lea

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 type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>El Paso Natural Gas Co.</u>	<u>P. O. Box 1492, El Paso, TX 79978</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	Yes

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 Strata	Other
<input checked="" type="checkbox"/>								
Date Spudded	Date Compl. Ready to Prod.	Total Depth			P.B.T.D.			
Elevations (DF, RAH, 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 rate 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

AS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Sealing Method (plug, 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 Division have been complied with and that the information given here is true and complete to the best of my knowledge and belief.

[Signature]
(Signature)
Agent
(Title)
8/22/83
(Date)

OIL CONSERVATION DIVISION

APPROVED AUG 25 1983, 19
BY JERRY SEXTON
DISTRICT SUPERVISOR

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

DATE Jan 28 19 80

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer Sinclair Development Corp. (8085)

Well Name and Number H.S. Record 1

Location 660'N, 660'E, Sec. 22, T-22-S, R-36-E, Lea Co., NM

Pool Name Jalmat

Producing Formation Yates

Top of Gas Pay 3,387'

Oil or Gas Well Gas

Gas Unit Allocation .25 (40 Acres)

Date Tied Into Gathering Systems 1/4/80

Date of First Delivery 1/4/80

Gas Gathering System Lea County 100# Gathering System

Processed through Gasoline Plant (yes or no) Yes

Station Number 60-189-01

Remarks: Site Code: 60189-6-01

By: M. H. Peterson, Dispatching

NOTICE OF GAS CONNECTION

DATE January 8, 1980

This is to notify the Oil Conservation Division that connection for the purchase of gas from the Sinclair Development Corp.
OPERATOR

H. S. Record #1 : Lea A 22-22-36
LEASE & WELL **COUNTY** **UNIT S-T-R**
Jalmat Yates El Paso Natural Gas Co.
POOL **NAME OF PURCHASER**

was made on January 4, 1980 60189 - 6 0.
DATE **SITE CODE & SITE WELL NUMBER**

El Paso Natural Gas Co.

PURCHASER

H. H. Matchum

REPRESENTATIVE

Assistant Chief Division Dispatcher

TITLE

- MMH: b1
- cc: Operator
- Oil Conservation Division - Santa Fe, NM
- H. P. Logan
- M. E. McEuen
- R. L. Tabb
- Proration Dept.
- Measurement Dept. - Jal
- Earl Smith
- File

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Sinclair Development Corporation

Address
P.O. Box 2192, Midland, Tx. 79702

Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well	<input type="checkbox"/>	Change in Transporter of:	
Recompletion	<input checked="" type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	casinghead Gas	<input type="checkbox"/>
		dry Gas	<input checked="" type="checkbox"/>
		Condensate	<input type="checkbox"/>

change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name H.S. Record	Well No. 1	Pool Name, including Formation Jalmat-Yates	Kind of Lease State, Federal or Fee Fee	Lease No.
---------------------------	---------------	--	--	-----------

Location

Unit Letter A : 660 Feet From The North Line and 660 Feet From The East

Line of Section 22 Township 22S Range 36E N.M.P.M. Lea County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
None-Well Standing	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	Box 1384 Jal., New Mexico 88252
Does well produce oil or liquids, give location of tanks. No Tanks At Present	Is gas actually connected? <u>No</u> When <u>Soon</u>

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 Hole, Diff. Res.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.		
Deviation (DF, RKB, RT, CR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth		
Restrictions					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)

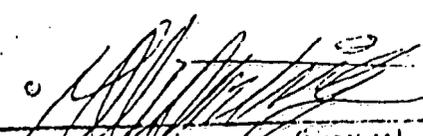
First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

AS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (Pilot, Back pt.)	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 Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.


Sinclair Oil Consultants, Inc.

11-7-79

(Date)

OIL CONSERVATION DIVISION

APPROVED JAN 11 1980, 19

BY Jerry Sexton
Dist. 1, Supv.

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 logs taken on the well in accordance with RULE 111.

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

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

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-103
Revised 10-1-78

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Form or Lease Name
H.S. Record

9. Well No.
1

10. Field and Pool, or Well Unit
Jalmat-Yates

12. County
Lea

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL GAS WELL OTHER _____

Name of Operator

Sinclair Development Corporation

Address of Operator

P.O. Box 2192, Midland, Tx, 79702

Location of Well

UNIT LETTER A 660 FEET FROM THE North LINE AND 660 FEET FROM

THE East LINE, SECTION 22 TOWNSHIP 22S RANGE 36E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3530 GL

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

REFORM REMEDIAL WORK

PLUG AND ABANDON

REMEDIAL WORK

ALTERING CASING

SPORADIC ABANDON

COMMENCE DRILLING OPNS.

PLUG AND ABANDONMENT

REPAIR OR ALTER CASING

CHANGE PLANS

CASING TEST AND CEMENT JCP

OTHER Production Test

OTHER

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

10-22-79

Shut-in pressure = 150 PSI. Opened well on Open choke and produced through 2x12.5 orifice critical well tester. Well pressure stabilized @ 78 PSI flowing pressure. Calculated production = 30 MCF per day. Test performed by EPNG and witnessed by H.G. Starling, Basin Consultant. Well now closed closed in waiting on Non-Standard Unit approval.

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

WITNESSED

Basin Oil Consultants

DATE 11-7-79

Orig. Signed By

Jerry Sexton

TITLE

DATE

NOV 9 1979

PROVED BY

Dist. L. Supr.

CONDITIONS OF APPROVAL, IF ANY

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form (1-75)
Revised 12-1-75

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

10. Indicate Type of Lease
State Fee

11. State Oil & Gas Lease No.

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

CAS WELL OTHER

Name of Operator
Sinclair Development Corporation

Address of Operator
Box 2192, Midland, Tx. 79702

Location of Well
SECTION **A** **660** FEET FROM THE **North** LINE AND **660** FEET FROM

East LINE, SECTION **22** TOWNSHIP **22S** RANGE **36E** NMPM.

13. Elevation (Show whether DF, RT, GR, etc.)
3530 GL

7. Well Agreement Date

8. Form of Lease Name
U.S. Record

9. Well No.
1

10. Field and Pool, or Wellnet
Jalmat Paces

12. County
Lea

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

NOTICE OF INTENTION TO:

REMOVE REMEDIAL WORK

REPAIR AND ABANDON

ALTER CASING

CHANGE PLANS

OTHER

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND ELEMENT JOBS

OTHER

ALTERING CASING

PLUG AND ABANDONMENT

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1105.

10-8-79

Ran Dresser-Atlas Gamma Ray CCL Log, Set cast iron bridge plug @ 3625' (above Seven Rivers), Dumped 10' cement on top of bridge plug. PBT=3615'. Perforated 4" casing w/ one jet shot at 3387-90-95-98-3413-40-45-58-60-64-75-79-84-3525-32. Hole loaded w/ 2% KCL water and 110 gal. 15% acid spotted over pay zone prior to perforating. Acid treated formation w/ 1,000 gal. 15% acid. Broke @ 1100 PSI, dropped 20 ball sealers. Positive ball-action. Balled out. Max. press.=2000 PSI. Inj. rate=2.5 BPN. Instant S.I.=300 PSI, 3 Min.=vacuum. Swabbed 19 bbls water, Well dry, 36 bbls water under load. S.I 14 hrs. Tbg. Press.=165 PSI. Bled well off, swabbed no fluid. Unseated pkr, swabbed 53 bbls water, well dry. 56 BWUL. Pulled tbg, Ran pkr & frac pipe, fraced formation w/ 40,000 gal. frac (Western). 20,000 gal. Titan 11-30 & 20,000 gal. CO2, & 100 mesh sand, 20-40, & 10-20 mesh sand. Max press.=2500, Avg.=2200, inj. rate=.8 BPN. Inst.S.I.=650, 5-min.=650, 10 min.=600, 15 min.=575. 2 hrs.=250. Blew well down in three hrs. Ran swab, no fluid. 660 BWUL. Pulled frac pipe & pkr Ran 2" tbg, tagged sand fill @ 3595', hung tbg @ 3472 w/ bull-plugged perforation @ 3472'-3468'. Ran swab, No fluid. Closed well in. After 24 hr S.I. tbg press.=200 PSI, csg. press.=300 PSI. Tests to follow. Work completed 10-15-79.

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

[Signature]

TITLE **Basin Oil Consultants, Inc.** DATE **10-16-79**

BY *[Signature]*
SIGNATURE OF APPROVAL, IF ANY

TITLE **SUPERVISOR DISTRICT 1** DATE **OCT 17 1979**

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-79

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

3a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL GAS WELL OTHER

7. Unit Agreement Name

Name of Operator

8. Farm or Lease Name

Sinclair Development Corporation

Sun-H.S. Record

Address of Operator

9. Well No.

Box 2192, Midland, Tx.

1

Location of Well

10. Field and Pool, or Wildcat
South Eunice

UNIT LETTER A 660 FEET FROM THE North LINE AND 660 FEET FROM

THE East LINE, SECTION 22 TOWNSHIP 22S RANGE 36E N.M.P.M.

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

3530 GL

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

EMPERARILY ABANDON

COMMENCE DRILLING OPER.

PLUG AND ABANDONMENT

PULL OR ALTER CASING

CHANGE PLANS

CASING TEST AND CEMENT JOB

OTHER

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.

Present ID: 3914
4" Liner Cemented @ 3913

Queens Zone has been squeezed off. Plan is to set C.I. Bridge Plug above Seven Rivers (3625*) Cap plug with cement, perforate 4" csg to re-enter the Yates. Frac treat Yates with 40,000-50,000 Gal. Frac Treatment.

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

ISSUED 

TITLE Basin Oil Consultants, Inc. DATE 9-24-79

Orig. Signed by
Jerry Sexton
Dist 1. Supv.

APPROVED BY

TITLE

DATE SEP 24 1979

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

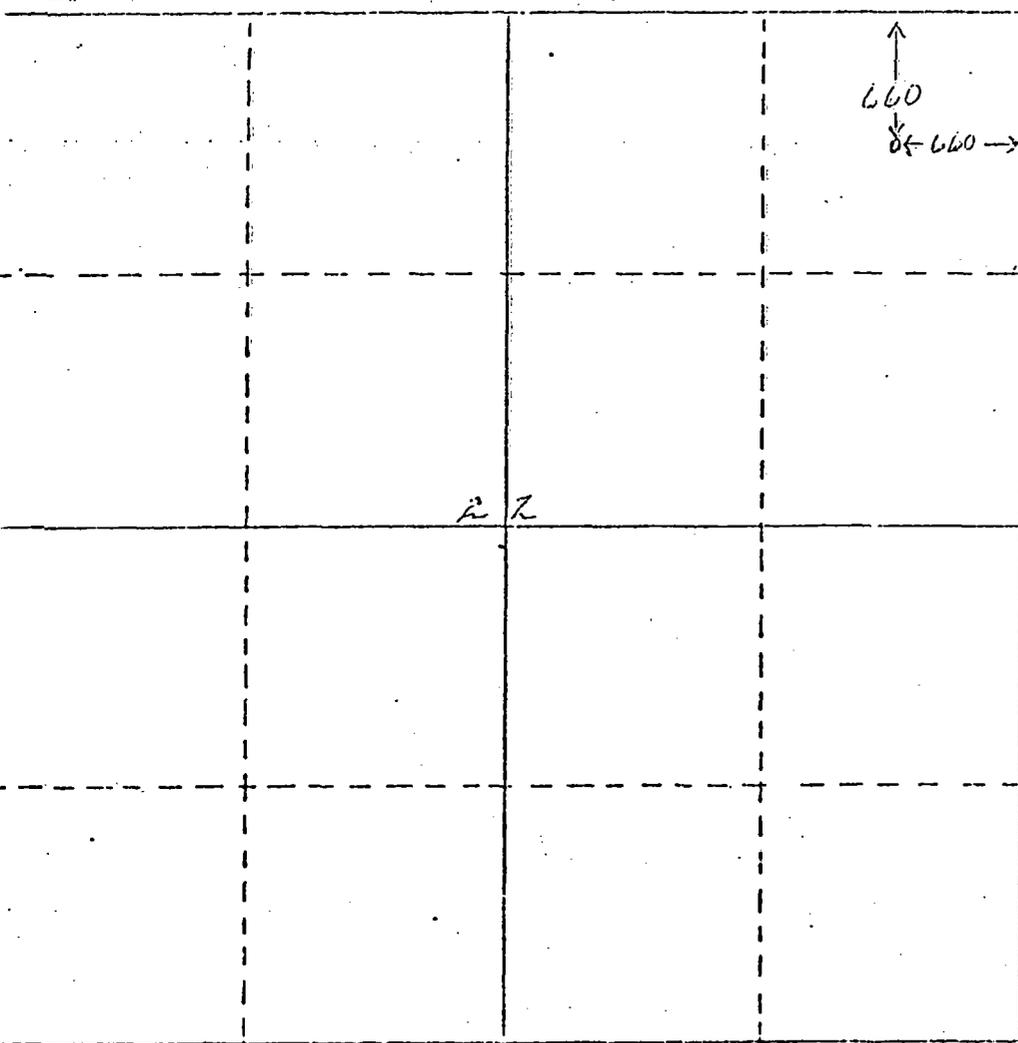
Operator Sinclair Development Corp		Lease H.S. Record		Well No. 1
Well Letter A	Section 22	Township 22S	Range 36E	County Lea
Well Location of Well: 660 feet from the North line and 660 feet from the East line				
Ground Level Elev. 3530	Producing Formation Yates	Pool Jalmat	Dedicated Acreage: 40	

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

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

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

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



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>[Signature]</i>	
Position Basin Oil Consultants, Inc.	
Company Sinclair Dev. Corp.	
Date 9-24-79	
Date Surveyed	
Registered Professional Engineer and/or Land Surveyor	

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LAND OFFICE	
TRANSPORTER OIL GAS	
OPERATION	
PERMITS OFFICE	

REQUEST FOR ALLOWABLE
 AND
 AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator
 Sinclair Development Corporation

Address
 P.O. Box 2192, Midland, Tx. 79702

Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter oil <input type="checkbox"/>	This report filed to change name of Operator only.	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input checked="" type="checkbox"/>		
Change in Ownership <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>		

If change of ownership give name and address of previous owner: C.H. Juni, 1500 Douglas, Midland, Tx. 79701

DESCRIPTION OF WELL AND LEASE

Lease Name H.S. Record Unit	Well No. 1	Pool Name, including Formation Jalpat -Yates	Kind of Lease State, Federal or Fee fee	Lease
Location				
Unit Letter A	660	Feet From The North	Line and 660	Feet From The East
Line of Section 22	Township 22S	Range 36E	NMPM, M	Lea Co

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
None- Well Standing	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Not Connected	
If well produces oil or liquids, give location of tanks. No tanks at present	Unit Sec. Twp. Rge. Is gas actually connected? When
	No

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: P
Date Spudded	Date Compl. Ready to Prod.	Total Depth			P.B.T.D.			
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation	Top Oil/Gas Pay			Tubing Depth			
Perforations					Depth Casing Shoe			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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

GAS WELL

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

CERTIFICATE OF COMPLIANCE

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


 Basin Oil Consultants, Inc.
 9-24-79
 (Date)

OIL CONSERVATION DIVISION

APPROVED SEP 24 1979, 19
 BY Jerry Sexton
 TITLE Dist. 1. Supv.

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

NO. OF COPIES RECEIVED	
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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
 State For
 5. State Oil & Gas Lease No.

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

OIL WELL GAS WELL OTHER X

7. Unit Agreement Name
A

Name of Operator
C. H. Juni

8. Farm or Lease Name
Sun Record

Address of Operator
1500 Douglas, Midland, Texas 79701

9. Well No.
1

Location of Well
 UNIT LETTER **A** **660** FEET FROM THE **North** LINE AND **560** FEET FROM

10. Field and Pool, or Wildcat
So. Eunice Queen

THE **East** LINE, SECTION **22** TOWNSHIP **22S** RANGE **36E** NMPM.

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

12. County
Lea

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

NOTICE OF INTENTION TO:

FORM REMEDIAL WORK
 TEMPORARILY ABANDON
 PLUG OR ALTER CASING
 OTHER

PLUG AND ABANDON
 CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK
 COMMENCE DRILLING OPNS.
 CASING TEST AND CEMENT JOB X
 OTHER

ALTERING CASING X
 PLUG AND ABANDONMENT

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.

- June 12, 1979 ReSpd OTD 3490 Drilled 4 3/4" hole to NTD 3914.
- June 18, 1979 Ran 4" OD Flush Joint Liner to 3913 with top of liner hanger @ ²⁹⁸² ~~3913~~ Cement w/250 sack of cement.
- June 21, 1979 Perforate 4" line @ 3839, 3847, 3851, 3855 and 3861.
- June 22, 1979 Ran RTTS pack on 2 3/8 tubing & treated with 1750 gals. acid, Swabbed dry, 46 bbls. acid lift in formation.
- June 23, 1979 Fraced w/30,000 gals. & 60,000 # Sd, Swabbed & Flowed Lead, Swabbed water (analysis showed water to be injection water).
- June 27, 1979 Squeezed perforation 3839-3861 w/150 sack cement. Perforate 3679, 3705, 3717, 3727, 3732, 3753 & 3761.
- June 28, 1979 Ran tubing w/RTTS. Acidized w/3000 gals. Swabbed dry. 38 Bbls. of fluid left in formation.
- July 1, 1979 Temporarily Abandoned.

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

SIGNED C. H. Juni TITLE Operator DATE 9-21-79

Orig. Signed by
 Jerry Sexton

APPROVED BY Dist 1. Supv. TITLE _____ DATE SEP 24 1979

CONDITIONS OF APPROVAL, IF ANY: Expires 9/24/80

COUNTY LEA FIELD Eunice, S. STATE NM
 OPR SINCLAIR DEVELOPMENT CORP. API MN 09000
 NO 1 LEASE Sun Record MAP
 Sec 22, T22S, R36E RECORD
 660 FNL, 660 FEL of Sec 2-3-22 NM
 6 mi SE/Eunice REPT 6-12-79 RE MP 1-4-80

CSC	WELL CLASS: INIT DD FIN DG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
13 3/8-60-100 sx				
9 5/8-1606-1000 sx				
5 1/2-3201-800 sx				
4-lnr-2982-3914-250 sx				
2-3472				
	TD 3914 (QUEN)		PBD 3615	

IP (Yates) Perfs 3387-3532 F 30 MCFGPD. Pot based on
 24 hr test thru op chk. GOR (NR); gty (NR); CP Pkr; TP 78

P.L.C. El Paso Natural Gas

CONTR X-Pert OPR 3538 DF PD 4000 RT

10-15-79 F.R. 6-4-79 OWDD
 (Queen)
 (Orig. Sun Oil Co., 1 lls record unit, comp.
 8-23-48 from (Yates) OH 3201-3490, OTD 3490)
 TD 3914; SI
 Deepened 3490-3914
 Ran 4 lnr
 Perf (Queen) @ 3839, 3847, 3851, 3855, 3861
 Acid (3839-61) 1750 gals
 Frac (3839-61) 30,000 gals + 60,000# sa
 Swbd dn w/NS (3839-61)
 Sqzd (3839-61) w/150 sx & DOC
 Perf (Queen) @ 3679, 3705, 3717, 3727, 3732,
 3753, 3761
 Acid (3679-3761) 3000 gals
 Swbd dn w/NS (3679-3761)
 11-3-80 TD 3914; PBD 3615; Complete
 PB to 3615
 Perf (Yates) @ 3387, 3390, 3395, 3398, 3413,
 2-3-22 NM

LEA
SINCLAIR DEVELOPMENT
CORP.

Wardco, Inc.
1 Sun Road

NM
Page #2

11-3-80

Continued

3440, 3445, 3458, 3460, 3464, 3475, 3479,
3484, 3525, 3532

Acid (3387-3532) 1000 gals (15%)

Frac (3387-3532) 60,000 gals + 20,000 gals

CO₂ + sd

2-16-80

TEMPORARY COMPLETION ISSUED

11-8-80

RE-ISSUE OF SUSPENDED COMPLETION & TO AMEND
OPERATOR: Formerly reported as Juni, C. H.

2-3-22 NM

IC 30-025-701S1-79

C.H. JUEL #1 SUN REVENUE
LEA COUNTY, NEW MEXICO

DRILLING REPORT

June 9, 1979 Rig up X-Pert Well Service unit. Pull rods, install B.O.P. and pull tubing. (126 3/4" rods and 102 joints tubing 3154' plus seating nipple, perforated nipple and 15' mud anchor.

June 10, 1979 Did not work.

June 11, 1979 Did not work.

June 12, 1979 Rig up X-Pert reverse rig. Pick up 4 3/4" bit and 8- 3 1/8" drill collars. Cleaned out 7 7/8" hole from bottom of casing at 3200' to 3490'. Make approximately two feet of hole. Pull up in casing and shut down for night.

June 13, 1979 Reverse out four feet fill. Drill to 3508'. Pull tubing to change bit. Ran button bit. At 7:00 A.M. drilling at 3576'.

June 14, 1979 Drilling at 3576'.

June 15, 1979 Drilling at 3712'.

June 16, 1979 Drilling at 3774'.

June 17, 1979 Drilling at 3829'.

June 18, 1979 T.D. 3914'.

Ran	1.25'	Flantshoe 4" O.D. 11.34# 3 rd.
	16.00'	shoe joint 4" O.D. 11.34# 3 rd.
	.05"	landing collar 3 rd.
SS Jts.	903.10'	4" O.D. 11.34# 4 drill P. J.
	10.00'	4" O.D. Baker HyFlo Ranger-Packer
Total	931.18'	

June 18, 1979
(contl.)

Set liner on hanger one foot off bottom at 3913' with top of liner hanger at 3882'. Landing collar and plugs at 3895'. Cemented with 250 sacks Class "C" with 5# salt per sack, 0.3 of 1% HLX 249 per sack, and 0.3 of 1% CFR-2 per sack. Reversed out approximately 80 sacks cement. Job completed approximately 5:30 P.M. 6-17-79 Pumped plug down with 250 gallons MCA and KCl water.

June 19, 1979

Waiting on cement.

June 20, 1979

Waiting on cement.

June 21, 1979

Rig up Perfo-Jet. Go in hole with wire line. Unable to get below top of liner. Run 4 3/4" bit and casing scrapper to top of liner. Run 3 5/16" bit to bottom at 3895'. Run cement bond log, run Gamma-Ray collar log, perforate one hole at 3839', 3841', 3847', 3851', 3855', 3861' - total six holes.

June 22, 1979

Ran RTTS packer on 2 3/8" tubing, treated perforations with 250 gallons MSA 10% and 1500 gallons MCA 15%. Formation broke at 2500#. Dropped 12 ball sealers. Balled out. Maximum pressure 2600#, average pressure 2500#, average rate 3 BPM, Acid 36 bbls. Flush 24 bbls. Total 60 bbls. Swabbed 14 bbls. water. Swabbed dry. 46 bbls. left in formation.

June 23, 1979

Rig up Halliburton to frac.
Pumped 2000 gallons pre pad with 3% Parasperse
3000 gallons pad and CO₂
2000 with 2# 20-40 sand
1600 gallons with 2# 20-40 sand
1700 gallons cut sand, start flush
1750 gallons flush.

Mechanical trouble.
Total 12,110 gallons.

Regrouped. Called for additional material for complete frac job.

Pumped 1000 gallons pad and CO₂
2000 gallons with 2# 20-40 sand
1700 gallons with 2# 20-40 sand
3000 gallons with 4# 20-40 sand
3000 gallons with 5# 20-40 sand
4000 gallons with 5# 10-20 sand
1700 gallons with 5# 10-20 sand
1700 gallons flush

18100

June 23, 1979
(contl.)

Pumping pressure	maximum	3450#
	minimum	2700#
Pumping rate	maximum	12 BPM
	minimum	11 BPM

15IP	1230#		
5 min SIP	1160#	Average rate	11 BPM
10 min SIP	1100#	Average PSI	2900 #

Total fluid 417 bbls. plus 46 bbls. from previous acid job. Total 463.

Opened well at 4:35 P.M. Flowed 330 bbls. frac water in seven hours. Well died. Left to tank overnight.

June 24, 1979

Found fluid level at 500'. Swabbed from 7:30 A.M. to 3:00 P.M. Lowered fluid level to 2200'. Recovered 120 bbls. Total 450 of 463. Left overnight to tank.

June 25, 1979

Well flowed 18 bbls. overnight.

June 26, 1979

Well flowed one bbl. overnight. Swabbed 20 bbls. water in 2 hours. Pulled 3 1/2" tubing. Ran 2 3/8" tubing to 3860'. Swabbed an additional 45 bbls. to 6:00 P.M. Closed in overnight.

June 27, 1979

Well had approximately 20# pressure. Fluid level at 1000'. Swabbed 2 runs. Recovered 10 bbls. water. Chemical analysis indicated fluid to be water flood injection water. Pulled tubing. Ran EZ drill squeeze tool to 3800'. Squeeze perforations 3830' to 3861' with 100 sacks of Class "C" neat and 50 sacks of Class "C" with 0.3 of 1% Halli-d per sack. Maximum pressure 2500#. Rigged up Perfo-Jet and perforated 3679', 3705', 3717', 3727', 3732', 3753', and 3761'. Total seven holes.

June 28, 1979

Run tubing with RTTS. Spot one bbl. acid over perforations. Pick up tubing. Set packer at 3650'. Acidized with 3000 gallons MCA. Started pumping into formation at 1400#. Increased rate to 2.5 BPM. Dropped one ball sealer every 300 gallons. Balled out to 3800#. Released pressure and dropped balls off perforations. Finished job at 4 BPM.

15IP	1000#
5 min SIP	800#
10 min SIP	750#
15 min SIP	700#

Total load 87 bbls. of fluid.

Swabbed 15 bbls. fluid. Well swabbed dry. Closed in overnight.

June 29, 1979

Well had approximately 20# tubing pressure. Fluid level 1000' from bottom. Swabbed 4 bbls. fluid. Swabbed dry. Waited total 2 hours. Unable to recover additional fluid. Release packer. Run 2 stands to swing tubing near bottom. Recovered 49 bbls packer fluid. Swabbed dry. Closed in overnight.

June 30, 1979

Well had a slight vacuum fluid level 300' from bottom. Swabbed 2 bbls. No shows of oil or gas. Pulled tubing to recover RTTS. Laid down rental tubing. Ran tubing and rods in well. Released all rental equipment and rig. Wait on orders.

July 1, 1979

Decision made to temporarily abandon test. Sun Oil Company has been approached to farmout 120 acres adjoining our 40 acre tract with the intent of forming a 160 acre Yates gas unit. State and Federal Energy Offices will be contacted to determine what must be done to qualify for maximum gas price.

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

NO. OF COPIES RECEIVED		
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ILE		
.S.G.S.		
IND OFFICE		
PERATOR		

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

Type of Well DRILL DEEPEN PLUG BACK

OIL WELL GAS WELL OTHER

SINGLE ZONE MULTIPLE ZONE

7. Unit Agreement Name

8. Name of Lessee Name
Sun Record

Name of Operator

H. Juni
Address of Operator

9. Well No.
1

1500 Douglas, Midland, Texas 79701

10. Field and Loc., or Well loc.
South Eunice

Location of Well UNIT LETTER **A** LOCATED **660** FEET FROM THE **North** LINE

660 FEET FROM THE **East** LINE OF SEC. **22** TWP. **22S** RGE. **36E**

11. County
Lea

12. Proposed Depth 4000	13A. Formation Queen	13B. Kind of Casing Rotary
14. Elevation (show whether DF, RT, etc.) 3530 GL	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor X-Part Well Service
		22. Approx. Date Work will start June 11, 1979

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 3/4	13 3/8	480	30'	20	Circ
12 1/2	9 5/8	320	1595	1000	Circ
7 7/8	5 1/2	140	3201	800	1100'
Above casing now in hole.					
6 3/4	4"	100	3950	500	3000'

Present TD 3490'

Deepen to approximately 3950'. Run 4" Liner from 3000' to 3950'.
Perforate pay and run tubing. Rig up pump and put on production.
BOP will be adequate for area & depth.

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

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

By *E. L. ...* Title Operator Date May 23, 1979

(This space for State Use)

APPROVED BY *[Signature]* TITLE SUPERVISOR DISTRICT 1 DATE MAY 24 1979

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
 WELL UNITIZATION AND ACREAGE DEDICATION

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

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

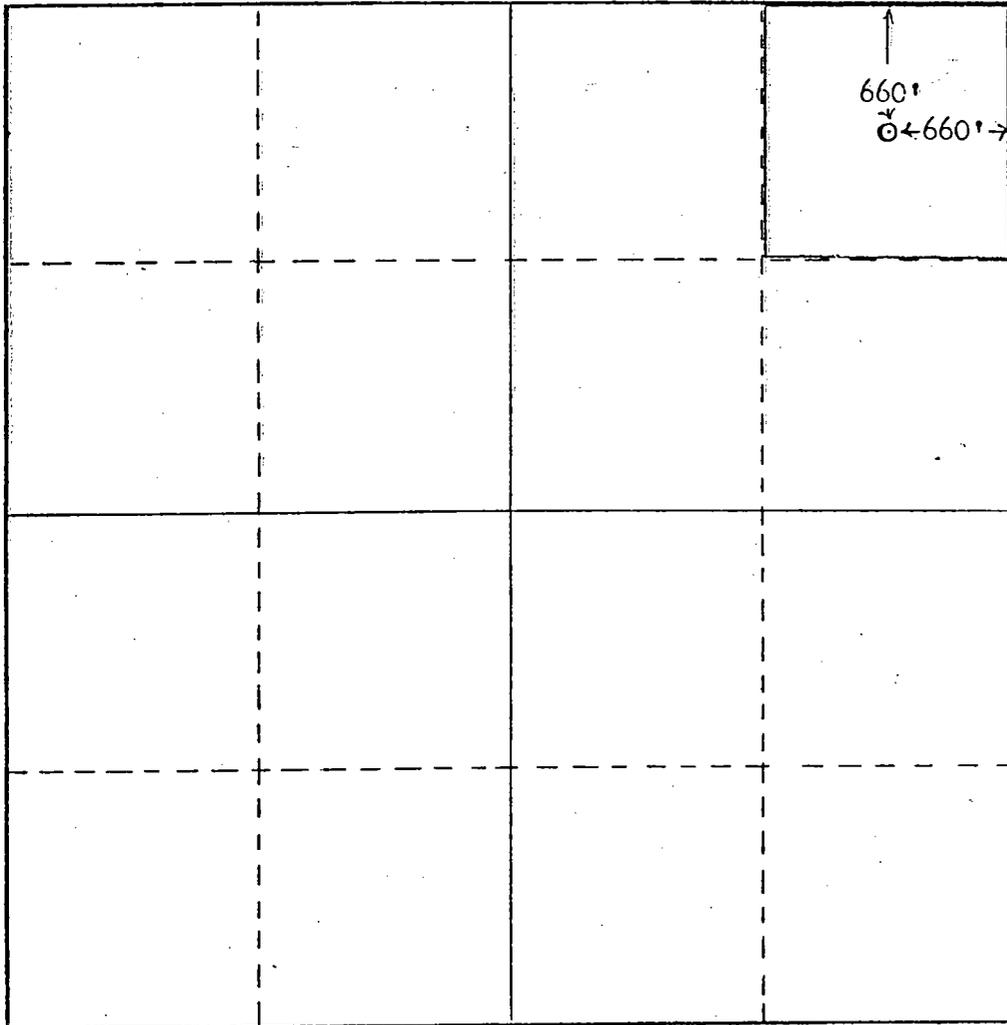
Operator C. H. Juni		Lease Sun Record		Well No. 1
Unit Letter A	Section 22	Township 22 South	Range 36 East	County Lea
Actual Footage Location of Well:				
660 feet from the North line and 660 feet from the East line				
Ground Level Elev. 3530	Producing Formation Queen	Pool South Eunice	Dedicated Acreage: 40 Acres	

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

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

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

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



CERTIFICATION

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

Name: *C. H. Juni*
 Position: **Operator**
 Company: **C. H. Juni**
 Date: **May 23, 1979**

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

Date Surveyed: _____
 Registered Professional Engineer and/or Land Surveyor: _____

Certificate No. _____



OIL CONSERVATION DIVISION

P. O. BOX 7088
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
DISTRICT OFFICE	
LAND OFFICE	
TRANSPORTER	
OPERATOR	
REGISTRATION OFFICE	

C. H. Juni

Address

1500 Douglas, Midland, Texas 79701

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)

Change lease name from H. S. Record Unit to Sun Record

If change of ownership give name and address of previous owner

Sun Oil Company, P. O. Box 2192, Midland, Texas 79701

DESCRIPTION OF WELL AND LEASE

Lease Name Sun Record	Well No. 1	Pool Name, including Formation South Eunice Queen	Kind of Lease State, Federal or Free Free
---------------------------------	----------------------	---	--

Location

Unit Letter **A** ; **660** Feet From The **North** Line and **660** Feet From The **East**

Line of Section **22** Township **22S** Range **36E** NMDM **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 type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When

(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 Hole	Diff. Hole
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, FT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Day	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 (psig, back pt.)	Tubing Pressure (psig - 15)	Casing Pressure (psig - 15)	Choke

CERTIFICATE OF COMPLIANCE

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

C. H. Juni
(Signature)
Operator

May 23, 1979

OIL CONSERVATION DIVISION

APPROVED *[Signature]*, 19
BY *[Signature]*
SUPERVISOR DISTRICT

This form is to be filed in compliance with RULE 113.
If this is a request for allowable for a newly drilled or deeper well, this form must be accompanied by a tabulation of the depth logs for the well in accordance with RULE 111.
All portions of this form must be filled out completely for all applicable sections and requirements.
This form only Sections I, II, III, and VI for changes of ownership shall be required, or Sections I, II, III, and VI for changes of conditions. Sections I, II, III, and VI must be filed for each pool in multi-well completions.

NEW MEXICO OIL CONSERVATION COMMISSION

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

NO. OF COPIES RECEIVED		
DISTRIBUTION		
ALBUQUERQUE		
EL PASO		
SAN ANTONIO		
PERMITS SECTION		
OPERATOR		

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

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

OIL WELL GAS WELL OTHER _____

Name of Operator
Sun Oil Company

Address of Operator
P. O. Box 1861, Midland, Texas 79701

Location of Well
UNIT LETTER **A** **660** FEET FROM THE **North** LINE AND **660** FEET FROM
THE **East** LINE, SECTION **22** TOWNSHIP **22S** RANGE **36E** NMPM.

7. Unit Agreement Name
8. Farm or Lease Name
H. S. Record Com.

9. Well No.
1

10. Field and Pool, or Wildcat
Jalmat Yates

11. Elevation (Show whether DF, RT, GK, etc.)
GR. 3530

12. County
Lea

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING

TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT

PULL OR ALTER CASING OTHER CASING TEST AND CEMENT JOBS

OTHER **Shut-in or TA Well Status Report**

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:

REQUEST FOR ONE YEAR EXTENSION OR INITIAL REQUEST FOR TEMPORARY ABANDONMENT PERMIT.

NOTE: All wells submitted here-on are in compliance with Commission regulations concerning a proper condition of the well as to the prevention of damage to the producing zone, migration of hydrocarbons or water, the contamination of fresh water or other natural resources, or the leakage of any substance at the surface.

WELL STATUS: TA

TEMPORARY ABANDONMENT DATE: NA

REASON FOR TEMPORARY ABANDONMENT: Low flow rate due to sand fillup & depletion

FUTURE PLANS FOR WELL: Clean out well & return to production

APPROXIMATE DATE FOR WORKOVER OR P&A OPERATIONS: April, 1977

Expires 11-1-76

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

SIGNED Charles Gray TITLE Proration Analyst DATE 6-10-76

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
ANTA FE	
ILE	
S.G.S.	
AND OFFICE	
PERATOR	

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 H. S. Record Unit <i>Com</i>	
8. Farm or Lease Name	
9. Well No. 1	
10. Field and Pool, or Wildcat Jalmat Yates 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

Name of Operator
Sun Oil Company

Address of Operator
Box 1861, Midland, Texas 79701

Location of Well
UNIT LETTER **A** **660** FEET FROM THE **East** **South** LINE AND **660** FEET FROM THE **East** **West** LINE, SECTION **22** TOWNSHIP **22S** RANGE **36E** NMPM.

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

GR. 3530

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 checked="" type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
WELL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

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.

The above well is currently TA. At this time plans are under way to return the well to production by method of cleaning sand from well bore & acid stimulation.

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

SIGNED *Charles Gray* TITLE Proration Clerk DATE 11-26-73

PROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

El Paso Natural Gas Company

El Paso, Texas 79978

November 13, 1973

ADDRESS REPLY TO
POST OFFICE BOX 1364
JAL. NEW MEXICO 88252

Oil Conservation Commission
State of New Mexico
P. O. Box 1980
Hobbs, New Mexico 88240

Gentlemen:

This is to advise that on November 12, 1973 the Sun Oil Company's H.S. Record Unit #1, Jalmat gas well located in Unit A, of Section 22, Township 22, Range 36 Lea County, New Mexico was disconnected from El Paso Natural Gas Company's gathering system.

This disconnection was due to well being temporarily abandoned.

Yours truly,

PERMIAN DIVISION DISPATCHING DEPARTMENT

Travis R. Elliott
Travis R. Elliott
Gas Production Status Analyst

TRE:bl

cc: Mr. Elvis Utz, O.C.C., Santa Fe, New Mexico
Proration Department
H. O. Whitt
Gas Purchases
Sam Smith
H. P. Logan
T. J. Crutchfield
Measurement Department
Operator
R. H. Barnett
Earl Smith
Chub Fuller
R. T. Speer
R. L. Tabb
B. D. Ballard
File

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

P. O. Box 2045
Hobbs

March 2, 1961

Sun Oil Co.
Box 2792
Odessa, Texas

Re: Record Unit #1-A
22-22-36
Jalmat Gas Pool

Gentlemen:

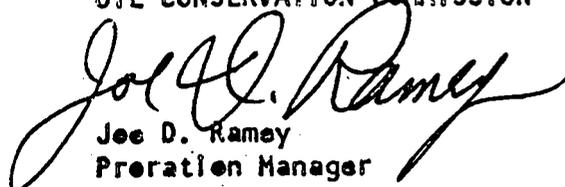
This office has been notified by the purchaser that subject well in the Jalmat Gas Pool was switched from Jal
High Pressure Gathering System to the Jal
Intermediate Gathering System on 2/24/61
Date

In accordance with Order No. R-1670 (insofar as it relates to the Jalmat Gas Pool,) Memorandum No. 6-58, and Memorandum No. 3-60, the Commission requests that a new Deliverability Test be conducted and results filed with the Hobbs office within forty-five (45) days of the above date of reconnection.

Failure to comply with this request shall result in cancellation of allowable.

Yours very truly,

OIL CONSERVATION COMMISSION


Joe D. Ramey
Production Manager

SE # 756

JDR:mg
Copies to
Mr. E. A. Utz, Gas Engineer - Santa Fe
Mr. E. F. Engbrecht, Engineer - Hobbs
Purchaser -

Memorandum

To: H. H. Shelton
From: Kenneth N. Gordon

Date: February 27, 1961
Place: Permian Division Office
Dispatching Department

SUN OIL COMPANY
Record Unit #1 (A-22-22-36)
(60-189)

At 12:00 Noon on February 24, 1961, the Sun Record Unit #1 was switched from the Jal High Pressure Gathering System to the Jal Intermediate Gathering System due to its inability to produce its minimum contract requirements.

Kenneth N. Gordon
Kenneth N. Gordon
Dispatching Department

- KNG:1mp
cc: E. A. Scarce
W. C. Cheek
P. N. Woodruff
R. E. Pithian
W. W. Maxwell
V. M. Plummer
M. C. Robertson
J. T. Recer
T. Gaskin
R. T. Wright
N.M.O.C.C., Hobbs, New Mexico
N.M.O.C.C., Santa Fe, New Mexico
File

File

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalmat Formation Yates County 22 Lea
 Initial Annual Special X Date of Test 11/2/56
 Company Sun Oil Company Lease Record Unit Well No. 1
 Loc. A Sec. 22 Twp. 22 S Rge. 36 E Purchaser EPNG
 Casing 5 1/2 Wt. 14 I.D. 5.012 Set at 3201 Perf. To
 Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 3476 Perf. To
 Gas Pay: From 3315 To 3490 L 3476 xG .675 -GL 2346 Bar.Press. 13.2
 Producing Thru: Casing Tubing X Type Well Single
 Date of Completion: 6-2-48 Packer None Reservoir Temp.

OBSERVED DATA

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

No.	Flow Data				Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	
1						831		836	72
2	4"	1.250	761	14.44	66	763		774	24
3	4"	1.250	727	27.36	69	729		750	24
4	4"	1.250	681	49.00	70	685		723	24
5	4"	1.250	650	67.24	66	654		704	24

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15,025 psia
1	9.643	105.72		.943	.9427	1.087	1038
2	9.643	142.82		.9915	.9427	1.062	1393
3	9.643	184.41		.9905	.9427	1.075	1785
4	9.643	211.14		.9943	.9427	1.073	2047

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio cf/bbl.
 Specific Gravity Separator Gas
 Density of Liquid Hydrocarbons deg.
 Specific Gravity Flowing Fluid
9.936 (1-e^{-s}) 0.149 P_c 849.2 P_c 721.1

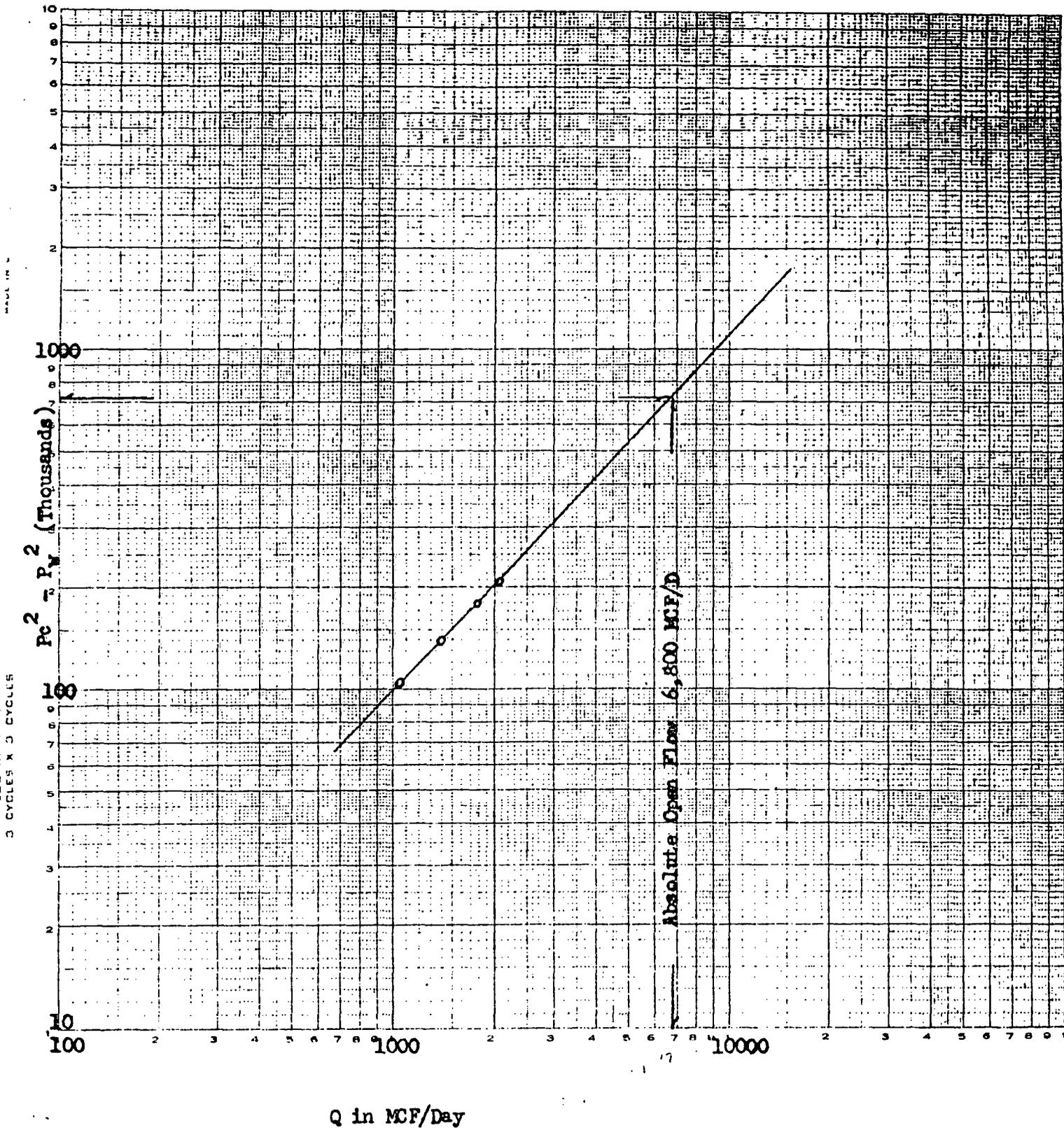
P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w /P _c
787.2	609.9	10.31	106.30	15.84	615.7	101.4	787.2	0.927
763.2	550.9	13.84	191.55	28.54	582.5	133.6	763.3	0.899
736.2	487.5	17.74	314.71	46.86	541.9	179.2	736.4	0.867
717.2	445.2	20.34	413.72	71.64	514.4	206.7	717.2	0.845

Gas Potential: 6,800 MCF/D MCFPD; n 0.956
 COMPANY Sun Oil Company
 ADDRESS Box 2792 Odessa
 NAME and TITLE Ronald R. Lawrence Engineer
 TESTED BY
 COMPANY

REMARKS

ELVIS A. UTZ
GAS ENGINEER

SUN OIL COMPANY
 Record Unit Well No.1



DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
BOX 2045
HOBBS, NEW MEXICO

DATE December 3, 1953

TO: Sun Oil Company
Box 2792, Odessa, Texas

GENTLEMEN:

Form C-104 for your H.S. Recrod Unit 1 22-22-36 Langmat
LEASE WELL S.T.R. POOL

has been approved, however, since this well is:

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

it will be necessary for you to;

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

Pending further Commission action this unit will be assigned an _____ acre
allowable.
Normal 160 Acre Unit

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

ALP/pb

cc/ Transporter El Paso Natural Gas Co.

DUPLICATE

**NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico**

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

DEC 1 1953

**OIL CONSERVATION COMMISSION
HOBBS OFFICE**

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

**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

Company or Operator Sun Oil Company Lease H. S. Record Unit

Address P. O. Box 2792, Odessa, Texas P. O. Box 2880, Dallas, Texas
(Local or Field Office) (Principal Place of Business)

Unit Flat 7, Well(s) No. 1, Sec. 22, T. 22S, R. 36E, Pool Langnat Gas

County Lea Kind of Lease: Patented

If Oil well Location of Tanks.....

Authorized Transporter El Paso Natural Gas Company Address of Transporter

10th Floor Bassett Tower, El Paso, Texas 1901 National Standard Bldg., Houston, 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.....

REASON FOR FILING: (Please check proper box)

NEW WELL..... CHANGE IN OWNERSHIP.....

CHANGE IN TRANSPORTER..... OTHER (Explain under Remarks).....

REMARKS: In accordance with Rules and Regulations of the Oil Conservation Commission.

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

Executed this the 16th day of November 19 53

Approved..... DEC 3 1953....., 19.....

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

By [Signature]
Title Manager Natural Gas Department

NEW MEXICO
OIL CONSERVATION COMMISSION

Gas Well Plat

Date November 16, 1953

Sun Oil Company

H. S. Record

1

Operator

Lease

Well No.

Name of Producing Formation Yates Pool Langmat Gas

No. Acres Dedicated to the Well 160

SECTION 22 TOWNSHIP 22S RANGE 36E

Sun Oil Co. ● 1		Sun Oil Co.	☆ 1
		160 Ac.	
● 1-A			
			☆ 1
	● 2		

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

Name B. E. Warren
 Position Manager Natural Gas Dept.
 Representing Sun Oil Company
 Address Dallas, Texas

(over)

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
New Well
DEC 1 1953
Recompletion

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

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 oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Dallas, Texas

November 16, 1953

(Place)

(Date)

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

SUN OIL COMPANY - H. S. Record Unit, Well No. 1, in NE 1/4 NE 1/4,
(Company or Operator) (Lease)

(See Plat) // Sec. 22, T. 22S, R. 36E, NMPM, Langmat Gas Pool
(Unit)

Lea County. Date Spudded. 8/3/48, Date Completed. 8/22/48

Please indicate location:

				.1

Elevation... 3530 (Ground) Total Depth... 3490', P.B. ---

Top oil/gas pay... 3335' Top of Prod. Form... 3335'

Casing Perforations: Open Hole 3201/3490 or

Depth to Casing shoe of Prod. String... 3201

Natural Prod. Test... BOPD

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

Test after acid or shot... BOPD

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

Gas Well Potential... 9600 MCF

Size choke in inches... ---

Date first oil run to tanks or gas to Transmission system: 10/26/48

Transporter taking Oil or Gas: El Paso Natural Gas Company

Casing and Cementing Record

Size	Feet	Sax
13-3/8	60'6"	50
9-5/8	1594'1"	1000
5-1/2	3194'4"	800

Remarks:

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

Approved... November 16, 1953

SUN OIL COMPANY

(Company of Operator)

By: B. E. WARREN (Signature)

Title: Manager, Natural Gas Department
Send Communications regarding well to:

OIL CONSERVATION COMMISSION

By: S. J. Stanley
Title: Engineer District 1 DEC 3 1953

Name:

Address:

TRIPPLICATE

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
MAY 14 1951
OIL CONSERVATION COMMISSION
HOBS-ORCE

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		Gas Well Report	X

5-1-51 Date Box 2880, Dallas, Texas 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 _____
Sum Oil Company H.S. Record Unit # _____ Well No. 1 in the
Company or Operator Lease
NE Cor. E 1/2 of Sec. 22, T. 22N, R. 36E, N. M. P. M.,
South Eunice Field, Lea County.

The dates of this work were as follows: _____
Notice of intention to do the work was (was not) submitted on Form C-102 on _____ 19____
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

24 hr. shut in pressure was 1107 PSIG on 4-3-51. Calculated abs. open flow was 7008 MCF on 4-3-51. Note: These tests were made by El Paso Natural Gas Co. Engineers.

Witnessed by _____

Name _____	Company _____	Title _____
------------	---------------	-------------

Subscribed and sworn before me this _____
4th day of May 1951
Annie Mae Hill
Ector Co., Texas Notary Public
ANNIE MAE HILL

I hereby swear or affirm that the information given above is true and correct.
Name _____
Position Field Engineer
Representing Sum Oil Company
Company or Operator

My commission expires June 1, 1951 Address Box 2792, Odessa, Texas

Remarks:
cc: NM30CC, RLI, Gas Dept., **APPROVED**
Date MAY 14 1951

Ray Yarbrough
Oil & Gas Inspector
Name _____
Title _____

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
MAY - 7 1951
OIL CONSERVATION COMMISSION
OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission. Indicate nature of report by checking below.

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

5-4-51

Box 2880, Dallas, Texas

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 _____
Sun Oil Company H.S. Record Unit Well No. 1 in the _____
 Company or Operator Lease
NE Cor. E 4 of Sec. 22, T. 22S, R. 36E, N. M. P. M.,
South Eunice Field, Lea County.

The dates of this work were as follows: _____

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

24 hr. shut in pressure was 1107 PSIG on 4-3-51. Calculated abs. open flow was
 7008 MCF on 4-3-51. Note: These tests were made by El Paso Natural Gas Co. Engineers.

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this _____
4th day of May 19 51

Ector Co., Texas Notary Public

I hereby swear or affirm that the information given above is true and correct.
 Name _____
 Position Field Engineer
 Representing Sun Oil Company
 Company or Operator

My commission expires June 1, 1951 Address Box 2792, Odessa, Texas

Remarks:

cc: MOCC, RLI, Gas Dept., JEH

APPROVED
MAY - 7 1951
Date _____

 Oil & Gas Inspector
 Title

RECEIVED

SEP 21 1950

OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

Miscellaneous Reports on Wells

OIL CONSERVATION COMMISSION
HOBBBS-OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut 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		Gas Well Report	X

9-12-50

Box 2880, Dallas, Texas

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.....

Sun Oil Company

H. S. Record Unit

Well No. 1

in the

Company or Operator

Lease

NE Cor. E 1/2

of Sec. 22

T. 22 S.

R. 36 E.

N. M. P. M.,

South Emice

Field

Lea

County.

The dates of this work were as follows:.....

Notice of intention to do the work was (was not) submitted on Form C-102 on..... 19.....

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

24 hr. shut in was 1153 # abs. on 8-28-50

Calculated abs. open flow was 7400 MCF on 8-28-50

Note: These tests were made by El Paso Ntl. Gas Co. Engineers

Witnessed by.....

Name

Company

Title

Subscribed and sworn before me this.....

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

12th day of September 19 50.

Name.....

Laura Dee L.A.T.R.A.

Position..... District Engineer

Notary Public

Representing..... Sun Oil Company
Company or Operator

My commission expires..... 6-1-51

Address..... Box 1861, Midland, Texas

Remarks:

SEP 22 1950

Ray Yarbrough
Name

Oil & Gas Inspector
Title

DUPLICATE OF OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

Miscellaneous Reports on Wells

RECEIVED
MAY - 2 1950
REGISTRY
HOBBBS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut 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		Gas Well Report	X

4-27-50

Date

Box 2880, Dallas 1, Texas

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

Sun Oil Company

Company or Operator

H. S. Record Unit #1

Lease

Well No. 1

In the

NE/Cor., N/2

of Sec. 22

T. 22 S

R. 36 E

N. M. P. M.,

South Eunice

Field

Lea

County.

The dates of this work were as follows:

Notice of intention to do the work was (was not) submitted on Form C-102 on _____ 19____

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

24 hour shut-in T.P. was 1139# gauge on 4-10-50.
Calculated absolute open flow was 11,750 H.C.F. on 3-29-50.

NOTE:

These tests were made by El Paso Natural Gas Company engineers.

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this _____

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

27th day of April 1950

Name [Signature]

Laura Selby LAURA SELBY
Notary Public

Position District Engineer

Representing Sun Oil Company
Company or Operator

My commission expires 6-1-51

Address Box 1861, Midland, Texas

Remarks:

APPROVED

Date _____

[Signature]
Name _____
Title _____

Title

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET (Seat)	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	13-3/8"	59.45	50	Halliburton	Wt. 9.1-Visc 30	-
12 1/2"	9-5/8"	1605.95	1000	"	Wt. 9.9-Visc 32	-
7-7/8"	5 1/2"	3200.51	800	"	Wt. 11 - Visc 35	-

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
		N O N E				

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 Surface feet to 3490 feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing 8/22/48, 19.....
 The production of the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, Be.....
 If gas well, cu. ft. per 24 hours. 2" chk - 3,060,000 MCF
1" chk - 1,475,000 MCF gallons gasoline per 1,000 cu. ft. of gas.....
 Rock pressure, lbs. per sq. in. BHP 1275#.

EMPLOYEES

J. J. Stewart..... Driller W. L. Garrett..... Driller
Doyle R. Roberts..... Driller Driller

FORMATION RECORD ON OTHER SIDE

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

Subscribed and sworn to before me this 31st day of August, 1948
Annie Mae Hill
 ANNIE MAE HILL
 Notary Public
 My Commission expires June 1, 1949

Odessa, Tex 8/31/48
 Place Date
 Name O. D. Albright
 Position Supt.
 Representing Sun Oil Company
 Company or Operator
 Address Box 2792, Odessa, Tex

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	41	41	Cal & sd
41	70	29	Cal & sd
70	127	57	Red bed
127	530	403	Red bed & sh
530	890	360	Shells, sh & red bed
890	1124	234	Red bed & sh
1124	1159	35	Red bed & sh
1159	1285	126	Red bed
1285	1408	123	Red bed & anhy
1408	1579	171	Red bed, gyp & anhy
1579	1610	31	Anhy
1610	1929	319	Anhy
1929	2060	131	Anhy
2060	2417	357	Anhy & salt
2417	2569	152	Anhy & salt
2569	2765	196	Anhy & salt
2765	2885	120	Anhy
2885	2973	88	Salt
2973	3049	76	Anhy & salt
3049	3129	80	Anhy
3129	3187	58	Anhy & lime
3187	3490	303	Lime - TD

DRILL STEM TESTS:

PLICATE

DST #1 - 3205/3265, 5/8"xl" chks, 45 mins., gas to surface in 6 mins., slight blow of air, REC: 30' mud, BHPO 0#, BHPC 0#, MW 1800#.

DST #2 - 3265/3490, 5/8"xl" chks, 45 mins., gas to surface in 4 mins., mud to surface in 7 mins., tool closed 15 mins. for build up, REC: 100' gas cut drlg fluid, BHPO 975/850#, BHPC 1275#, MW 2000#.

STRAIGHT-HOLE TESTS:

<u>NO. DEGREES OFF VERTICAL:</u>		<u>DEPTH:</u>
1	-	300'
1/2	-	700'
1/2	-	1000'
3/4	-	1250'
1/4	-	1570'
0	-	1700'
3/4	-	1950'
3/4	-	2010'
1	-	2200'
3/4	-	2350'
2 1/4	-	2550'
2 1/4	-	2710'
2 1/4	-	2775'
2	-	2885'
2	-	2950'
2	-	3075'
2	-	3160'
1-3/4	-	3260'
1-3/4	-	3375'
1-3/4	-	3475'

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
 AUG 23 1948
 HOBBS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

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

8/20/48

Date

Odessa, Texas

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 _____

Sm Oil Co.

Company or Operator

H.S. Record Unit

Lease

Well No. 1

in the _____

NE/4 of NE/4

of Sec. 22

T. 22S

R. 36M

N. M. P. M.,

S. Emica

Field, Lea

County.

County.

The dates of this work were as follows: 8/19/48

Notice of intention to do the work was (was not) submitted on Form C-102 on 8/17 19 48

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 3200' of 5 1/2" OD 1 1/4 H-40 casing 1000# thirty minutes O.K.

Witnessed by E.L. Kowaluk

Name

Sm Oil Co.

Company

Foreman

Title

Subscribed and sworn before me this _____

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

20th day of August, 1948

Name

N.J. Keith

Position

Foreman

MARIE LIVINGSTON

Marie Livingston
Notary Public

Representing

Sm Oil Co.

Company or Operator

My commission expires June, 1949

Address

Box 2792, Odessa, Tex.

Remarks:

APPROVED

Date AUG 23 1948

Roy York
Name
OIL & GAS INSPECTOR
Title

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

FILED
AUG 27 1948
HOOVER OFFICE

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified 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			

Odessa, Tex.

8/17/48

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 _____
Sun Oil Co. H. S. Record Unit Well No. 1 in ne/4 of ne/4
Company or Operator Lease
of Sec. 22, T. 22S, R. 36E, N. M. P. M., S. Eunice Field.
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION
Cemented 3200' of 5 1/2" OD 14 # H-40 casing in lime formation w/800 sacks of
common cement-job completed 12:40 PM 8/16/48-will test for shutoff
12:40 PM 8/18/48-centralizers @ 3121-3181.

WG 20 1948

SUN OIL COMPANY

Written Parsons
Send communications regarding well to
Name Sun Oil Co.
Address Box 2792, Odessa, Tex.

OIL CONSERVATION COMMISSION
By [Signature]
Title [Signature]

DUPLICATE

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
AUG 16 1948
MISCELLANEOUS WELLS
HOBBESS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

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

8-9-48

H.S. Record Unit #1

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 _____

Sun Oil H. S. Record Unit 1 Well No. 1 in the
Company or Operator Lease
NE/4 of NE/4 of Sec. 22, T. 22S, R. 36E, N. M. P. M.,
South Emice Field, Lea County.

The dates of this work were as follows: 8/9/48

Notice of intention to do the work was (~~received~~) submitted on Form C-102 on 8-7-48 19____
and approval of the proposed plan was (~~received~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 9 5/8" OD 32.30 SR Thd Surface casing, seat 1606', 1000# thirty minutes,
tested o.k. Cemented with 1000 Sacks instead of 100 sacks as reported on Form
C-102. Cement circulated.

Witnessed by E. L. Kowalski Sun Oil Company Foreman
Name Company Title

Subscribed and sworn before me this 9th
day of August, 1948

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

Name N.J. Keith
Position Foreman

Annie Mae Hill
Ector County, Tex. Notary Public

Representing Sun Oil
Company or Operator

ANNIE MAE HILL

My commission expires June 1, 1949

Address Box 2792, Odessa, Texas

Remarks:

APPROVED

Date AUG 16 1948

Roy Yachrowski
Name

OIL & GAS INSPECTOR
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 its agent, of the plan submitted. The plan approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

RECEIVED
AUG 10 1948
HOBBS OFFICE

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			

H. S. Record Unit #1

8/7/48

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 _____

Sun Oil Company

H. S. Record Unit

Well No. 1

in NE/4 of NE/4

Company or Operator

Lease

of Sec. 22

T. 22S

R. 36E

N. M. P. M.,

South Eunice

Field,

Lea

County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Run & cemented 1594' of 9 5/8" H-40 32.30# 8R Thd Casing w/100 sacks common cement, job completed 11:45 p.m. 8/6/48. Will start nippling up 11:45 a.m. 8/8/48 and test to minimum of 1000# 11:45 p.m. 8/8/48

AUG 10 1948

Approved _____, 19 _____

except as follows:

Sun Oil Company

Company or Operator

By N. J. Keith

Position Foreman

Send communications regarding well to

Name Sun Oil Company

Address Box 3888 2792

Odessa, Texas

OIL CONSERVATION COMMISSION,

By Roy Yarbrough

Title OIL & GAS INSPECTOR

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECORDED
AUG 9 1948

TRIPPLICATE

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

August 4, 1948

Odessa, Texas

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 _____

Sun Oil Company

H.S. Record Unit

Well No. 1

in the _____

Company or Operator

Lease

NE/4 of NE/4

of Sec. 22

T. 22 S

R. 36E

N. M. P. M.,

South Eunice

Field, Lea

County.

The dates of this work were as follows: August 3, 1948

Notice of intention to do the work was (was not) submitted on Form C-102 on _____ 19____

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Above well spudded 8/3/48; ground elevation 3530' - est. DF elevation 3539' - est. RDB elevation 3540' - set 59' of 13 3/8" OD conductor pipe 8/3/48

Witnessed by E. L. Kowalac
Name

Sun Oil foreman
Company Title

Subscribed and sworn before me this _____

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

4th day of August, 19 48

Name [Signature]

N. J. Keith

Position Foreman

Annie Mae Hill
Notary Public

Representing Sun Oil Company
Company or Operator

My commission expires June 1, 1949

Address Box 2792, Odessa, Texas

Remarks:

APPROVED

Date Aug 9 1948

Roy Gumbrecht
Name
OIL & GAS INSPECTOR
Title

NOTICE OF INTENTION TO DRILL

RECEIVED
JUL 28 1948
HOBBBS OFFICE

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

Dallas, Texas

July 23, 1948

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 Sum Oil Company H. S. Record Unit Well No. 1 in NE/4

Company or Operator Sum Oil Company Lease South Eunice Field, Lea County.
of Sec. 22 T. 22S R. 36E N. M. P. M.

The well is 660 feet ~~XXX~~ [S.] of the North line and 660 feet XXI [W.] of the East line of NE/4 of Sec. 22



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

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

If patented land the owner is H. S. Record

Address Monument, New Mexico.

If government land the permittee is _____

Address _____

The lessee is _____

Address _____

AREA 640 ACRES
LOCATE WELL CORRECTLY

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

Rotary from top to bottom

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: \$10,000. Blanket Bond filed with State Land Office

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
17-1/4	13-3/8	65#	New	30	Cemented	20
12-1/4	9-5/8"	36#	New	1600	Cemented	900
8-3/4	5-1/2"	14#	New	3200	Cemented	800

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 3700 feet.

Additional information:

Approved JUL 9 1 1948 19____
except as follows:

Sincerely yours,

SUN OIL COMPANY

By [Signature]
Company or Operator

Position Superintendent

Send communication regarding well to

Name Mr. J. A. Ritter

Address c/o Sun Oil Company, Dallas, Texas.

OIL CONSERVATION COMMISSION,

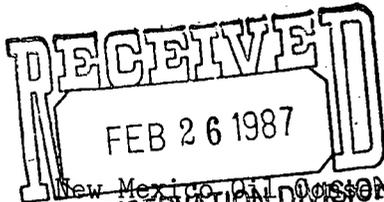
By [Signature]

Title Engineer

JOE C. NEAL & ASSOCIATES

**PETROLEUM CONSULTANTS
ONE MARIENFELD PLACE SUITE 370
MIDLAND, TEXAS 79701
915: 683-4371**

February 23, 1987



New Mexico Oil Conservation Division
OIL CONSERVATION DIVISION
SANTA FE
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Mike Stogner

Re: Administrative Application For Infill Well Findings
For Doyle Hartman - H. S. Record-9
Section 22, T-22-S, R-36-E, 660' FNL and 1,820' FEL
Jalmat (Gas) Pool, Lea County, New Mexico

Gentlemen:

Application is hereby made for an administrative infill well finding along with initial gas deliveries for the subject well in accordance with Exhibit "A", Oil Conservation Division, New Mexico Department of Energy and Minerals, Order R-6013-A. The following complies with the requirements of the above 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. The standard spacing for the pool is 640 acres.

Rule 7: The non-standard proration unit and unorthodox well location was approved by administrative order NSP-1485-(SD), a copy of which is attached hereto. The order was executed March 4, 1986, by Mr. R. L. Stamets, Director of Oil Conservation Division.

Rule 8: See attached Table 1 - Summary of Required Information, Rule 8, Exhibit "A", Order R-6013-A for requirements of Section "A" through "F". Section "G" requires "a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit".

The Jalmat (Gas) Pool well to which the present 160-acre non-standard proration unit was assigned, is the Doyle Hartman H. S. Record-1 Well. This well produced a mean daily average of 27.4 MCF of gas for the months

of January and February 1986, with a cumulative gas production of 3,896,000 MCF of gas as of January 1, 1987. As can be seen from the attached summarized completion data, and the well log for the Doyle Hartman (formerly Sun Exploration & Production Company's H. S. Record Unit-1) H. S. Record-1, the completion covers a gross interval of 145 feet from 3,387 to 3,532 feet. This correlates with the intervals in the Doyle Hartman H. S. Record-9 Well from 3,328 to 3,503 feet, but contains additional pay that was not treated in the H. S. Record-1 Well. The H. S. Record-9 Well perforations cover a gross interval of 175 feet, with an estimated net effective pay interval of 61 feet. The volumes of stimulation were significantly different for these wells and are as follows:

	<u>Doyle Hartman</u> <u>H.S. Record-9</u>	<u>Doyle Hartman</u> <u>H.S. Record-1</u>
Gross Completion Interval, Feet	175	145
Estimated Net Effective Pay Thickness, Feet	61	51
Volume of Stimulation:		
Acid, Gallons	6,450	1,000
Fracture Treatment, Gallons	Not Fractured	60,000
Pounds of Propant	Not Fractured	---
Volume of Stimulation Per Foot of Estimated Net Effective Pay:		
Gallons/Foot	---	1,176
Pounds/Foot	---	---
Production:		
January 1986, MCF	10,882	1,365
February 1986, MCF	13,945	252
Cumulative At		
January 1987, MCF	28,793	3,896,000

The infill Doyle Hartman H. S. Record-9 Well has 1.2 times greater gross perforated interval as compared to the Doyle Hartman H. S. Record-1 Well. The H. S. Record-1 Well was originally completed natural (no treatment) in open hole. In 1980, the well was deepened from 3,490 to 3,914 feet and a 4-inch liner was installed. The well was then perforated from 3,387 to 3,532 feet. The well flowed 30 MCF of gas per day after treatment. Either the stimulation of the well was not effective or severe depletion had previously occurred.

The most recent shut-in wellhead pressure reported for the H. S. Record-1 Well was 13 psia on July 2, 1985. A graphical plot of the shut-in wellhead pressure indicates that severe pressure decline occurred from October 1971 to August 1973 with the wellhead pressure dropping from 307 to 117 psia. Pressures were fairly constant from the years 1973 to 1983, at which time they began to decline rapidly, dropping from 115 psia in 1983 to 13 psia in July 1985. For all practical purposes, the H. S. Record-1 has been shut-in since February 1986. The shut-in wellhead pressure was 118 psia on February 8, 1987. It is my opinion that the reported wellhead pressure of 13 psia was not an accurate pressure. The shut-in wellhead pressure for the infill H. S. Record-9 Well was 300 psia on February 8, 1987.

The total interval of completion for the infill H. S. Record-9 is 175 feet thick, while the correlating interval in the pre-existing H. S. Record-1 Well was completed with approximately 145 feet. The additional 30 feet of gross pay has been perforated and stimulated in the infill H. S. Record-9 Well.

The reason the pre-existing H. S. Record-1 Well cannot efficiently and effectively drain the portion of the reservoir covered by the proration unit is that the well has less estimated net effective pay present and less gross pay opened and stimulated than does the H. S. Record-9 Well.

Rule 9

Section A: Attached is a Yates Formation structure map for the area including and surrounding the Doyle Hartman H. S. Record-9 Well, as required by Rule 9, Section A.

Section B: Below is a narrative describing the volume of increased ultimate recovery expected to be obtained and how it was calculated as required by Rule 9, Section B. The H. S. Record-9 Well has a volumetrically calculated estimated ultimate recovery of 530,258 MCF of gas from the 160-acre proration unit. We have assigned 187,387 MCF of remaining gross gas reserves to the pre-existing H. S. Record-1 Well at February 8, 1987. The estimate of increased gross gas recovery for the H. S. Record-9 Well was accomplished as follows:

1. The well logs on the H. S. Record-9 Well were analyzed and provided the following information:

Average Porosity, Fraction of Bulk Volume	0.191
Average Connate Water Saturation, Fraction of Net Effective Pore Volume	0.550
Net Effective Pay Thickness, Feet	61.000

2. Production tests for the H. S. Record-9 Well were performed on February 8, 1987. Analysis of these tests showed the following:

Initial Stabilized Wellhead Shut-in Pressure, Psia	300
Initial Gas Formation Volume Factor, SCF/CF	19.4

3. The volumetrically calculated estimated ultimate recovery was determined using the above information and is as follows:

Original Gas-In-Place:	
MCF/Acre	4,431
MCF/160 Acre	708,901

Estimated Gas Recovery Factor Fraction of Original Gas-In-Place	0.748
--	-------

Estimated Ultimate Recovery, MCF/160 Acres	530,258
---	---------

Section C: Additional supporting data are as follow:

1. Summarized completion data with well logs for the pre-existing H. S. Record-1 Well and the infill H. S. Record-9 Well.
2. Tabulated historical gas production data with a graphical display for the Doyle Hartman H. S. Record-1 and -9 Wells.
3. Complete New Mexico Oil Conservation Division (NMOCD) Forms on file for both the pre-existing H. S. Record-1 Well and the infill H. S. Record-9 Well.

We believe that the above information adequately documents this request. The report has been prepared in accordance with Exhibit "A", Order R-6013-A. If additional information is needed, please let us know.

Yours very truly,

JOE C. NEAL & ASSOCIATES



TABLE 1

Summary of Required Information
 Rule 8, Exhibit "A", Order R-6013A
 Section "A" Through "F"
 Natural Gas Policy Act Infill Findings, Administrative Procedure

<u>Section of Rule 8</u>	<u>Rule 8 Requirements</u>	<u>Pre-Existing Well Doyle Hartman, Operator</u>	<u>Infill Application Well Doyle Hartman, Operator</u>
A	Lease Name and Well Location	H. S. Record-1 660' FNL & 660' FEL, Section 22	H. S. Record-9 660' FNL & 1,820' FEL, Section 22
G	Spud Date	08/05/48	11/29/85
C	Completion Date	08/23/48	12/14/85
D	Mechanical Problems	None	None
E	Current Rate of Production	Produced 27.4 MCFPD Average for January and February 1986	Produced 451.4 MCFPD Average for January and February 1986
F	Date of Plug and Abandonment	Not Plugged	Not Plugged

30-025-39484
FCC

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-85

5A. Indicate Type of Lease
STATE FCC

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. Type of Work b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			7. Unit Agreement Name
2. Name of Operator Doyle Hartman			8. Farm or Lease Name H. S. Record
3. Address of Operator Post Office Box 10426 Midland, Texas 79702			9. Well No. 9
4. Location of Well UNIT LETTER <u>B</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>1820</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>22</u> TWP. <u>22S</u> RGE. <u>36E</u> NMPM			10. Field and Pool, or Wildcat Jalmat (Gas)
			12. County Lea
		19. Proposed Depth 3800	19A. Formation Yates-Seven Rivers
		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 3531.5 G.L.	21A. Kind & Status Plug. Bond Multi-Well Approved	21B. Drilling Contractor Not-Selected	22. Approx. Date Work will start November 1985

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	400	200	Circulate
8-3/4	7	23	3800	600	Circulate

Before drilling out from under the surface pipe, the well will be equipped with a 3000 psi, 10-inch series 900 Double-Ram Hydraulic BOP.

Note: Any gas produced from this well is dedicated to El Paso Natural Gas Co.

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

(Small illegible text)

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

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

Signed Larry A. Winger Title Engineer Date October 28, 1985

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY _____ TITLE _____

DATE NOV 27 1985

CONDITIONS OF APPROVAL, IF ANY:

DEC 2 1985

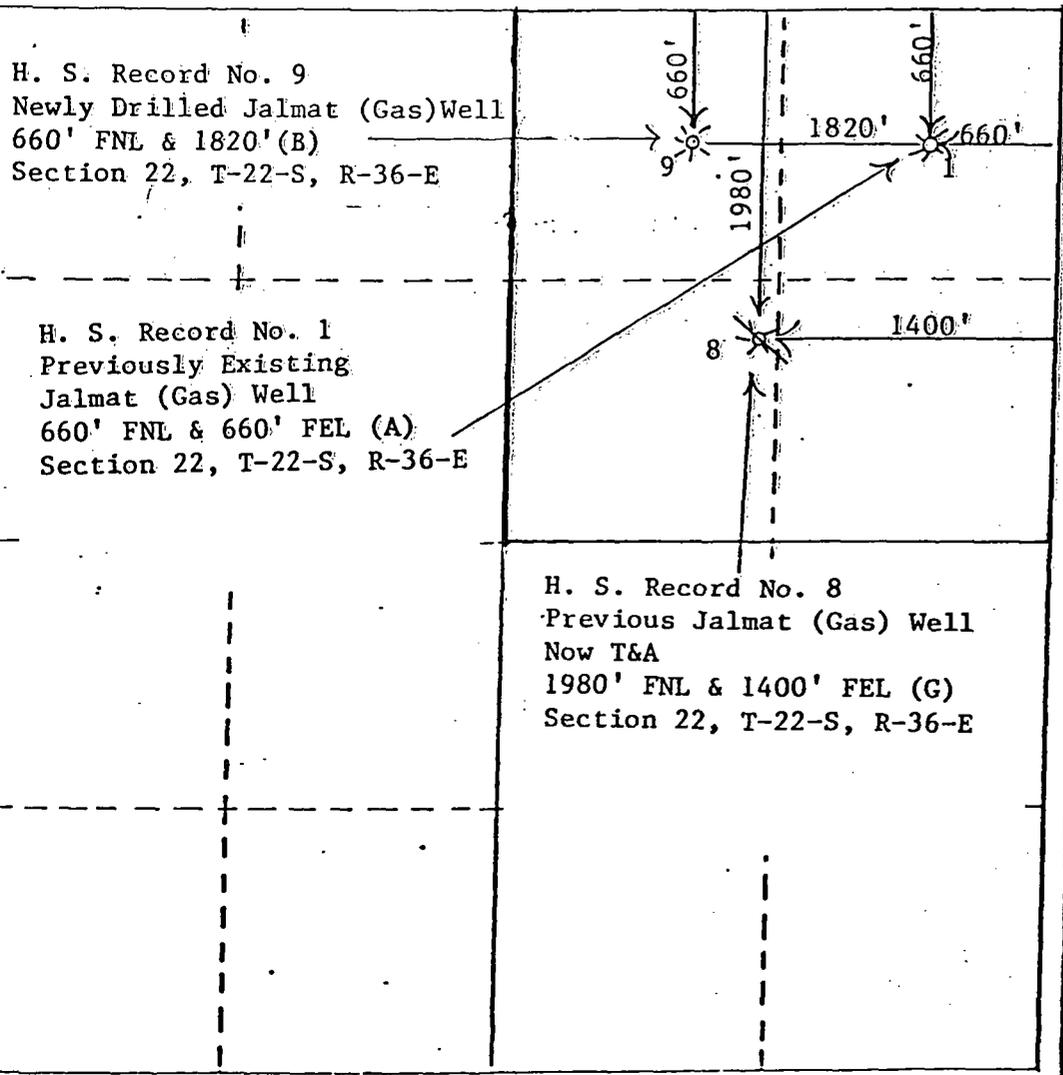
All distances must be from the outer boundaries of the Section.

Doyle Hartman		H. S. Record		Well No. 9	
Well Letter B	Section 22	Township 22-South	Range 36-East	County Lea	
Actual Location of Well:					
660	feet from the North	Line and	1400 ³	feet from the East	Line
Ground Level Elev. 3531.5	Producing Formation Yates-Seven Rivers	Pool Jalmat (Gas)	Dedicated Acreage 160		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
 - Yes No If answer is "yes," type of consolidation _____

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

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



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name:	Michelle Hembree
Position:	Administrative Assistant
Company:	Doyle Hartman
Date:	March 31, 1986
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed:	
Registered Professional Engineer and/or Land Surveyor	
Certificate No.	

MS Record 9 7200

50 YEARS



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION



1935 - 1985

TONEY ANAYA
GOVERNOR

March 4, 1986

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

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

Attention: Michelle Hembree,
Administrative Assistant

Administrative Order NSP-1485-(SD)

Dear Ms. Hembree:

Reference is made to your application for a 160-acre non-standard gas spacing and proration unit consisting of the SE/4 of Section 22, Township 22 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Also, you are hereby authorized to simultaneously dedicate this unit to your H. S. Record Wells Nos. 1 and 9 located 660 feet from the North and East lines (Unit A) and 660 feet from the North line and 1820 feet from the East line (Unit B), respectively, of said Section 22. Further, you are hereby permitted to produce the allowable assigned the unit from these wells in any proportion.

By authority granted me under the provisions of Division Order No. R-1670, as amended, governing the Jalmat Gas Pool, the above non-standard gas spacing and proration unit is also approved.

Sincerely,

R. L. STAMETS,
Director

cc: Oil Conservation Division - Hobbs

MAR 10 1986

COMPANY NEW TEX OIL Co.
 (Sun)

WELL Record No. 1

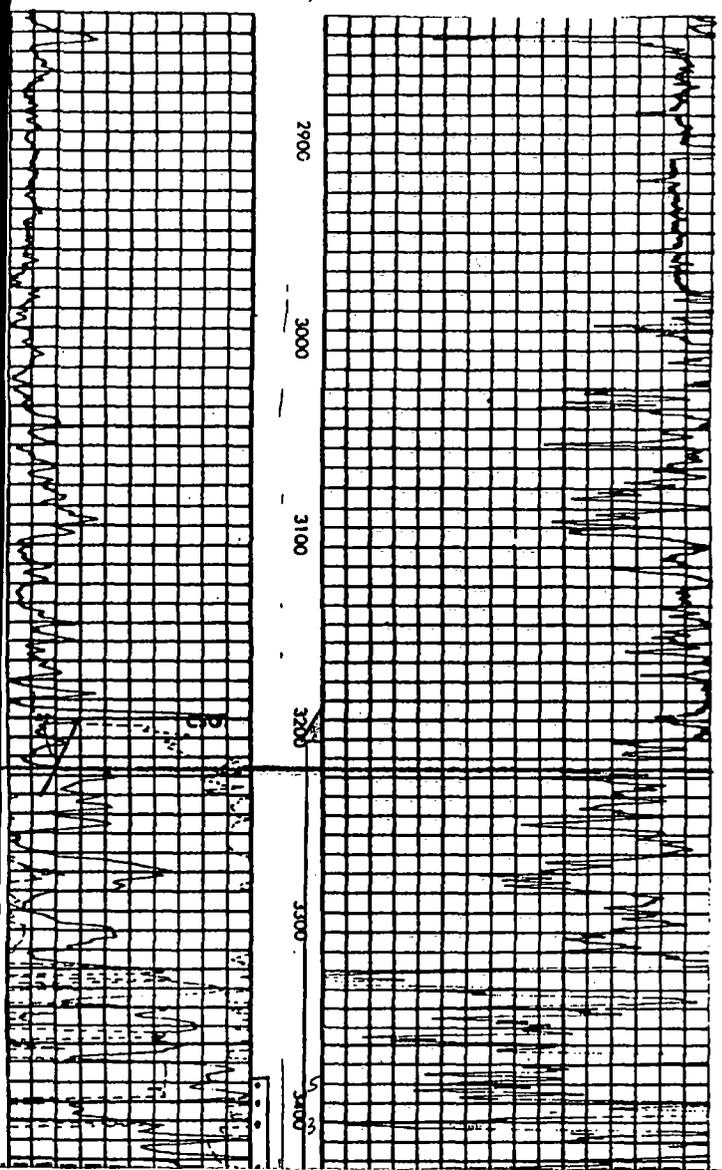
FIELD S. Eunice

LOCATION 660 FNL E 660 FEL (A)
Section 22, T-22-S, R-36-E

COUNTY LEA

STATE NEW MEXICO

ELEVATIONS: KB _____
 DF 3538
 GL _____



COMPLETION RECORD

SPUD DATE 8-5-48 COMP. DATE 8-23-48

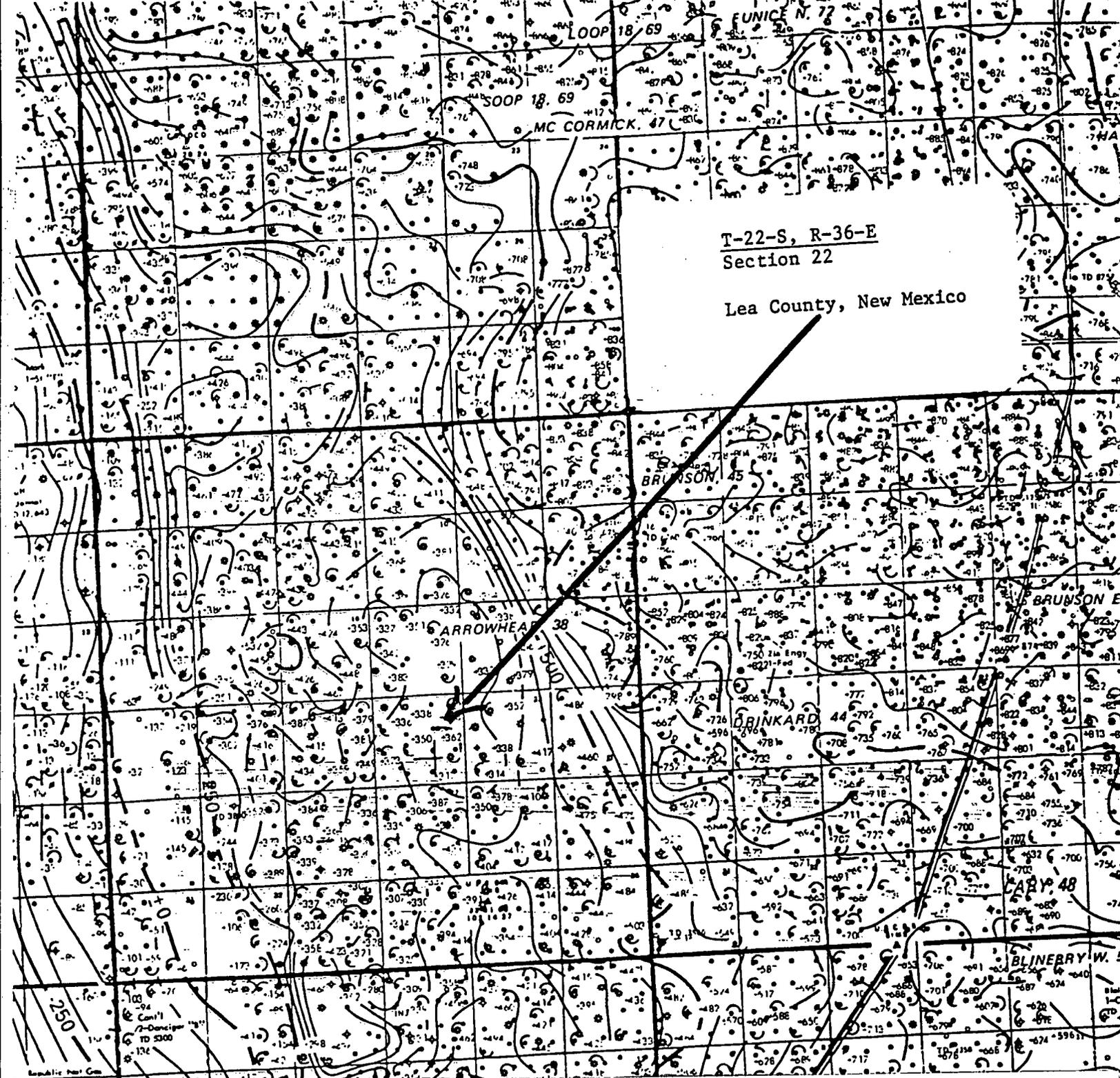
TD 3490 PBD _____

CASING RECORD 13 3/8 @ 60 w/50
9 5/8 @ 1606 w/1000
5 1/2 @ 3201 w/800

PERFORATING RECORD OH: 3201-3490
(Yates)

STIMULATION NATURAL

IP IPF=3060 MCF/D



T-22-S, R-36-E
Section 22

Lea County, New Mexico

LOOP 18.69

SOOP 18.69

MC CORMICK. 47

FUNICE N. 72

BRUNSON. 45

ARROWHEAD. 38

BRINKARD. 44

BRUNSON E

BARY. 48

BLINERY W. 5

2500
10 6310

Republic Nat. Co.
10 6310

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

NO. OF COPIES RECEIVED	
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LAND OFFICE	
OPERATOR	

3a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
H. S. Record

9. Well No.
9

10. Field and Pool, or Wildcat
Jalpat (Gas)

12. County
Lea

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

1b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____

2. Name of Operator
Doyle Hartman

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

4. Location of Well
UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1820 FEET FROM _____

5. THE East LINE OF SEC. 22 TWP. 22S RGE. 36E NMPM _____

15. Date Spudded 11-29-85 16. Date T.D. Reached 12-05-85 17. Date Compl. (Ready to Prod.) 12-14-85 18. Elevations (DF, RKB, RT, CR, etc.) 3531.5 G.L. 19. Elev. Casinghead 3532

20. Total Depth 3830 21. Plug Back T.D. 3823 22. If Multiple Compl., How Many _____ 23. Intervals Drilled By: Rotary Tools 0-3830 Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
3328-3503 (Yates-Seven Rivers)

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
CDL-DSN; Guard-Forxo; Dual Induction-Guard; RFT

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
<u>9-5/8</u>	<u>36</u>	<u>423</u>	<u>12-1/4</u>	<u>350 sx (circ)</u>	<u>None</u>
<u>7</u>	<u>26</u>	<u>3830</u>	<u>8-3/4</u>	<u>800 sx (circ)</u>	<u>None</u>

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
<u>2-3/8</u>	<u>3378</u>	<u>None</u>

31. Perforation Record (Interval, size and number)
22 shots with one shot each at: 3328, 3343, 3357, 3360, 3363, 3366, 3401, 3404, 3407, 3410, 3416, 3425, 3429, 3432, 3435, 3443, 3446, 3449, 3452, 3454, 3498, 3503

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>3328-3503</u>	<u>A/6450 gal</u>

PRODUCTION

33. Date First Production 12-14-85 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Shut-in

34. Date of Test 12-15-85 Hours Tested 24 Choke Size 20/64 Prod'n. For Test Period → Oil - Bbl. --- Gas - MCF 143 Water - Bbl. --- Gas-Oil Ratio ---

35. Flow Tubing Press. FTP= 43 Casing Pressure FCP= 150 Calculated 24-Hour Rate → Oil - Bbl. --- Gas - MCF 143 Water - Bbl. --- Oil Gravity - API (Corr.) ---

Disposition of Gas (Sold, used for fuel, vented, etc.) Vented Test Witnessed By Harold Swain

List of Attachments
Deviation Survey & C-104

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Larry A. Nermyr TITLE Engineer DATE December 17, 1985

DEC 31 1985

COMPANY Doyle Hartman

WELL H.S. Record No. 9

FIELD Jalmat (Gas)

LOCATION 660FNK & 1820 FEL (B)
Section 22, T-22-S, R-36-E

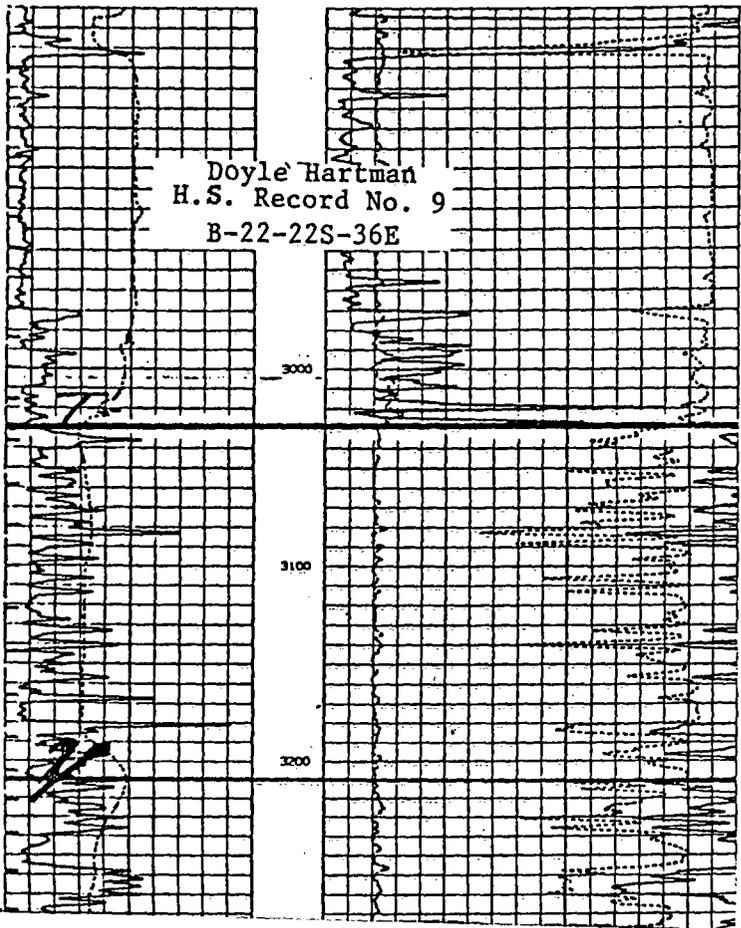
COUNTY Lea

STATE New Mexico

ELEVATIONS: KB 3541.5

DF

GL 3531.5



COMPLETION RECORD

SPUD DATE 11-29-85 COMP. DATE 12-14-85

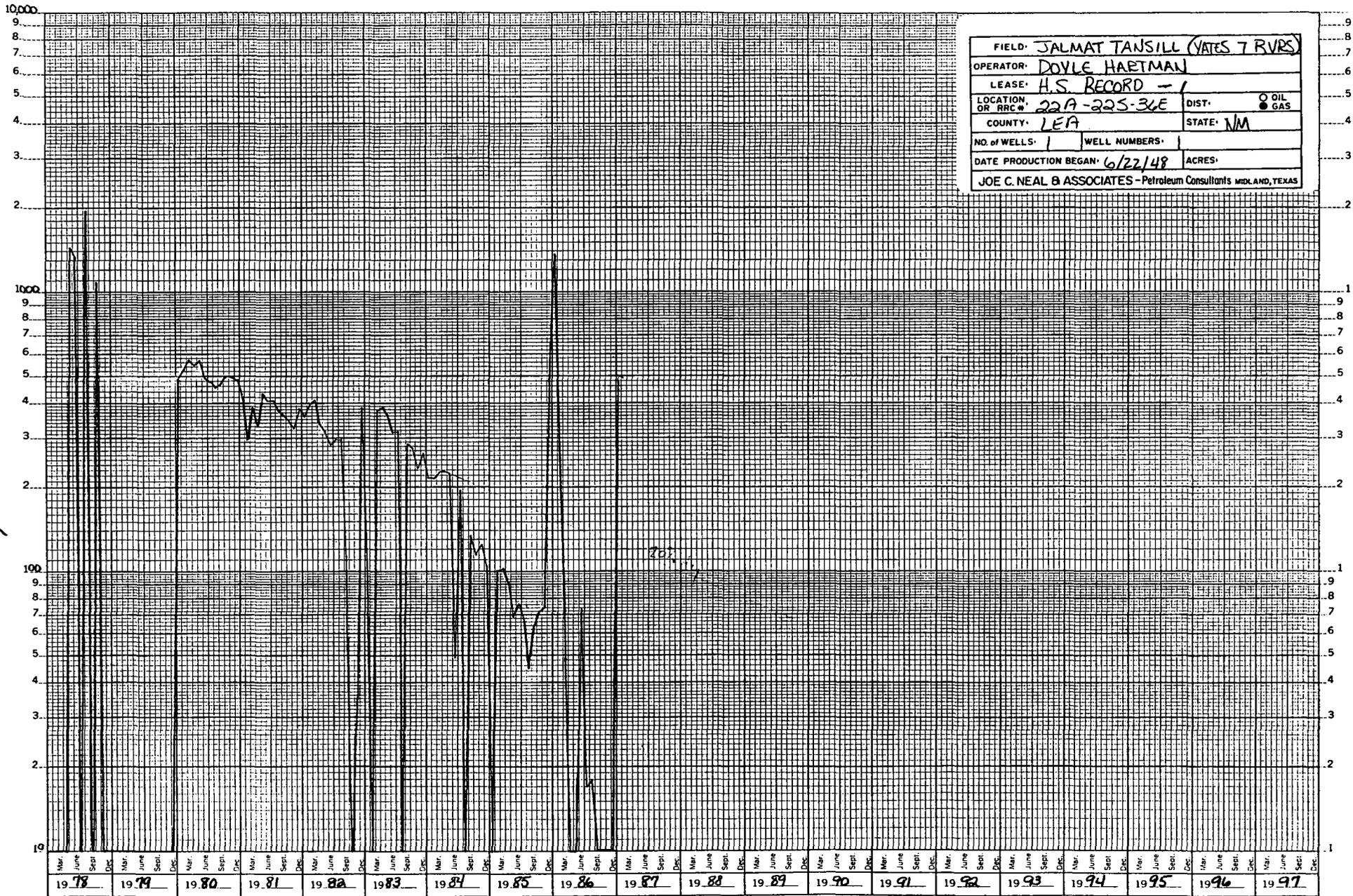
TD 3830 PBTD 3823

CASING RECORD 9 5/8 @ 423 w/ 350
7 @ 3830 w/ 800

PERFORATING RECORD Perf: 3328-3503

STIMULATION A/6450

SAS/NICE



FIELD: JALMAT TANSILL (YATES 7 RVRS)	
OPERATOR: DOYLE HARTMAN	
LEASE: H.S. RECORD - 1	
LOCATION OR RRC#	DIST. <input type="radio"/> OIL <input checked="" type="radio"/> GAS
COUNTY: LEA	STATE: NM
NO. OF WELLS: 1	WELL NUMBERS:
DATE PRODUCTION BEGAN: 6/22/48	ACRES:
JOE C. NEAL & ASSOCIATES - Petroleum Consultants MIDLAND, TEXAS	

LEASE NAME H S RECORD LOCATION 22A22S 36E DWIGHTS ID # 30222S36E22A00YT FIELD - JALMAT TANSILL YT 7 RVRS (PRO GAS) YT PRORATION UNIT # - 03768
 WELL 1 STATUS - 01 ACTIVE
 OPER HARTMAN DOYLE COMPLETION DATE 6/22/40 CUME DATES - LIQUID 0/69/12 CUMES - LIQUID 0 LIQ GATHERER
 1ST PRODUCTION 0/00/00 GAS 0/69/12 GAS 3838472 GAS GATHERER EL PASO NATURAL GAS

SELECTION
 FROM-TO
 70-87

PRODUCTION DATA

YR NR WELLS PRODN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	AVG
70 FLOW	1	1	1	1	1	1	1	1	1	1	1	1			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	1136	993	1184	833	775	1220	872	449	203	609	161	541	8976	3847448	748
71 FLOW	1	1	1	1	1	1	1	1	1	1	1	1			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	338	211	140	303	584	486	463	259	771	626	2979	1700	8860	3854308	738
72 FLOW	1	1	1	1	1	1	1	0	0	0	0	0			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	1434	846	780	1159	3113	4774	280	0	0	0	0	0	12386	3868694	1769
78 FLOW	0	0	0	0	1	1	0	1	0	1	0	0			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	0	0	0	0	1439	1339	0	1951	0	1068	0	0	5797	3874491	1449
80 FLOW	1	1	1	1	1	1	1	1	1	1	1	1			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	483	524	573	545	570	493	478	457	466	500	495	484	6068	3880559	506
81 FLOW	1	1	1	1	1	1	1	1	1	1	1	1			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0		0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	428	297	381	330	434	404	405	376	361	349	323	381	4469	3885028	372

LEASE NAME H S RECORD LOCATION 22A22S 36E DWIGHTS ID # 30222S36E22A00YT FIELD - JALMAT TANSILL YT 7 RWRS (PRO GAS) YT PROCRATION UNIT # - 03768
 WELL 1 STATUS - 01 ACTIVE
 OPER HARTMAN DOYLE COMPLETION DATE 6/22/48 CUME DATES - LIQUID 0/69/12 CUMES - LIQUID 0 LIQ GATHERER
 1ST PRODUCTION 0/00/00 GAS 0/69/12 GAS 3838472 GAS GATHERER EL. PASO NATURAL GAS

SELECTION
 FROM-TO
 70-87

PRODUCTION DATA

YR NR WELLS PRODN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	AVG
82 FLOW	1	1	1	1	1	1	1	1	1	0	1	1			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	358	399	408	357	317	284	299	297	112	0	35	384	3222	3888250	293
83 FLOW	1	0	1	1	1	1	1	0	1	1	1	1			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	31	0	31	30	31	30	31	0	30	31	30	31	306	0	31
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	92	0	374	387	362	312	317	0	287	275	233	263	2902	3891152	290
84 FLOW	1	1	1	1	1	1	1	0	1	1	1	1			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	31	29	31	30	31	30	31	0	30	30	30	31	334	0	30
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	217	215	227	228	222	49	195	0	134	114	123	103	1827	3892979	166
85 FLOW	0	1	1	1	1	1	1	1	1	1	1	1			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	0	28	31	30	31	30	31	31	30	31	30	31	334	0	30
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	0	100	102	91	69	76	68	45	64	72	74	479	1240	3894219	113
86 FLOW	1	1	1	1	1	1	1	1	1	1	0	0			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	31	28	0	0	0	5	1	1	1	0	0	0	67	0	11
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	1365	252	48	0	0	73	17	18	8	0	0	0	1781	3896000	254

Well shut-in by Pipeline

SCR2
Lease# Name
480803

Hartman Operated Wells
Field Production Estimates
RECORD, H. S. #1 1987

Today 2-13-87
Time 11:54:37

Mcfpd	Ropd	Rwpd	Tp	Cp	Chk	Days	Prod	Remarks
			120	120	64	S/I	1/10	SI BY PIPELINE
			120	120	64	S/I	1/11	SI BY PIPELINE
			120	120	64	S/I	1/12	SI BY PIPELINE
			120	120	64	S/I	1/13	SI BY PIPELINE
			120	120	64	S/I	1/14	SI BY PIPELINE
			120	120	64	S/I	1/15	SI BY PIPELINE
62			120	120	64	1	FLOW	1/16
60			80	80	64	1	FLOW	1/17
52			74	74	64	1	FLOW	1/18
53			72	74	64	1	FLOW	1/19
51			52	52	64	1	FLOW	1/20
41			50	50	64	1	FLOW	1/21
42			50	48	64	1	FLOW	1/22
35			55	55	64	1	FLOW	1/23
31			58	58	64	1	PUMP	1/24

Press Enter/Rec Adv to continue CMD 7 to End Job
CMD 2 to Display Accumulator CMD 11 for another Lease
CMD 5 for previous screen

SCR2
Lease# Name
480803

Hartman Operated Wells
Field Production Estimates
RECORD, H. S. #1 1987

Today 2-13-87
Time 11:54:37

Mcfpd	Bopd	Bwpd	Tp	Cp	Chk	Days Prod	Remarks
34			54	54	64	1 FLOW 1/25	
29			54	54	64	1 FLOW 1/26	
29			54	52	64	1 FLOW 1/27	
31			52	50	64	1 FLOW 1/28	
			118	118	64	S/I 1/29	SI BY PIPELINE
			118	118	64	S/I 1/30	SI BY PIPELINE
			118	118	64	S/I 1/31	SI BY PIPELINE
			118	118	64	S/I 2/01	SI BY PIPELINE
			118	118	64	S/I 2/02	SI BY PIPELINE
			116	116	64	S/I 2/03	SI BY PIPELINE
			116	116	64	S/I 2/04	SI BY PIPELINE
			116	116	64	S/I 2/05	SI BY PIPELINE
			116	116	64	S/I 2/06	SI BY PIPELINE
			118	118	64	S/I 2/07	SI BY PIPELINE
			118	118	64	S/I 2/08	SI BY PIPELINE

Press Enter/Rec Adv to continue CMD 7 to End Job
CMD 2 to Display Accumulator CMD 11 for another Lease
CMD 5 for previous screen

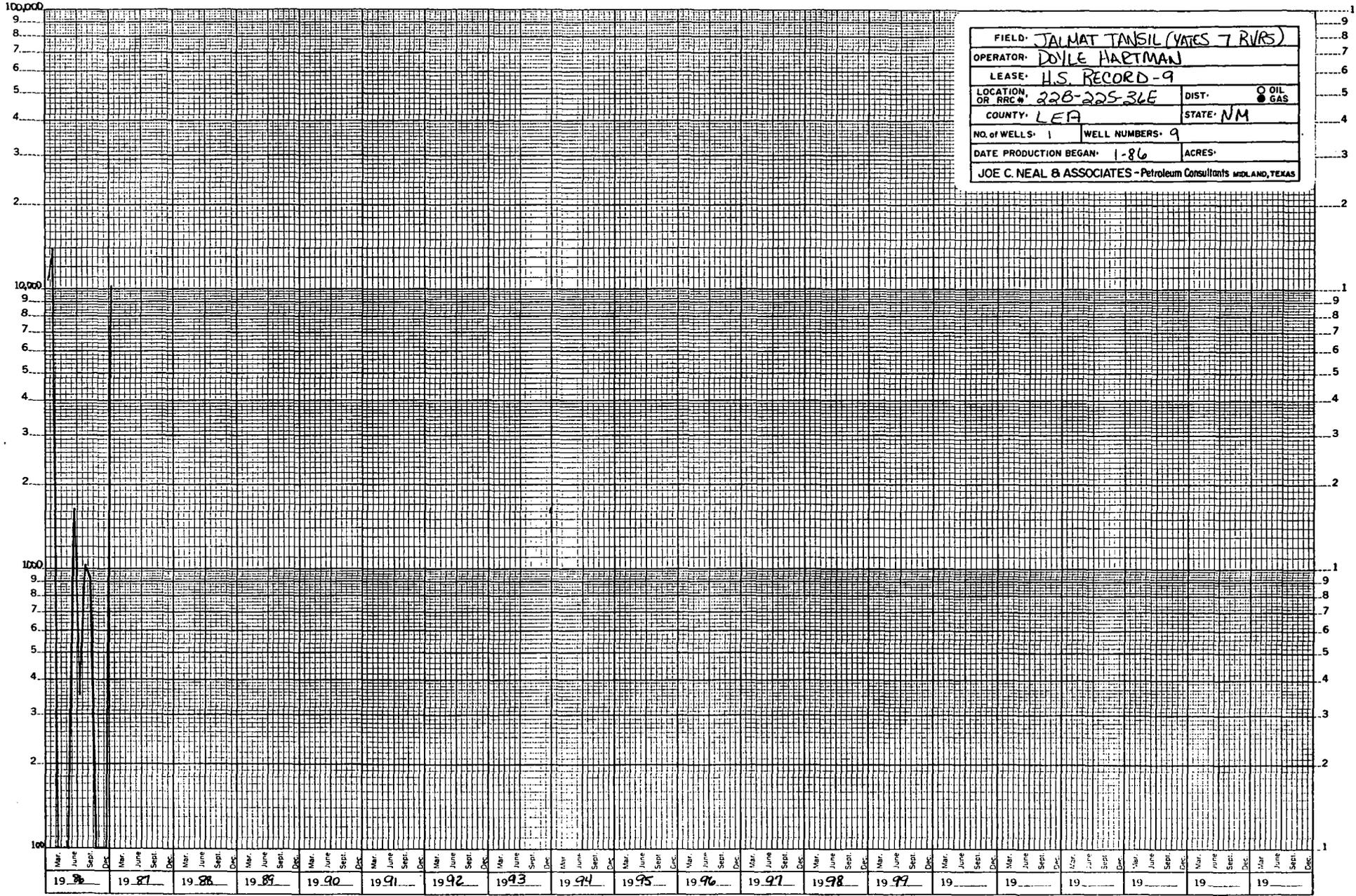
LEASE NAME H S RECORD LOCATION 22A22S 36E DWIGHTS ID # 30222S36E22A00YT FIELD = JALMAT TANSILL YT 7 RURS (PRO GAS) YT PRORATION UNIT # - 03760
 WELL 1 STATUS - 01 ACTIVE
 OPER HARTMAN DOYLE COMPLETION DATE 6/22/40 CUME DATES - LIQUID 0/69/12 CUMES - LIQUID 0 LIQ GATHERER
 1ST PRODUCTION 0/00/00 GAS 0/69/12 GAS 3836472 GAS GATHERER EL PASO NATURAL GAS

SELECTION
 FROM-TO
 70-87

TEST DATA

TEST DATE	WELLHEAD S/I PRESS (PSIA)	BOT HOLE PRESSURE (PSIA)	Z-FACTOR	P/Z	TEST DATE GAS CUME
70/09/11	342	371	.947	392	3,846,008
71/10/15	307	333	.952	350	3,851,306
73/08/14	117	127	.981	129	
80/08/04	123	133	.980	136	3,878,216
81/03/25	97	105	.985	107	3,881,591
82/09/14	120	130	.981	133	3,887,771
83/08/08	115	124	.982	126	3,890,094
84/06/25	71	77	.989	78	3,892,302
85/07/02	13	14	.998	14	3,893,421

GAS/MCF



FIELD: JALMAT TANSIL (YATES 7 RVRS)	
OPERATOR: DOYLE HARTMAN	
LEASE: H.S. RECORD-9	
LOCATION, OR RRC #	DIST. <input type="radio"/> OIL <input checked="" type="radio"/> GAS
COUNTY: LEA	STATE: NM
NO. OF WELLS: 1	WELL NUMBERS: 9
DATE PRODUCTION BEGAN: 1-86	ACRES:
JOE C. NEAL & ASSOCIATES - Petroleum Consultants MIDLAND, TEXAS	

DWT120W2
 DOYLE HARTMAN, OIL OPERATOR
 DWIGHTS ENERGY DATA SYSTEM

RUN DATE 2/13/87 TIME 11:20:10

PAGE 3

LEASE NAME H S RECORD LOCATION 228225 36E DWIGHTS ID # 30222936E22800YT FIELD - JALMAT TANSILL YT 7 RVRS (PR) GAS) YT PROPRATION UNIT # - 03768
 WELL 9 STATUS - 01 ACTIVE
 OPER HARTMAN DOYLE COMPLETION DATE 0/00/00 CUM DATE - LIQUID 0/00/00 CUMES - LIQUID 0 LIO GATHERER EL PASO NATURAL GAS
 1ST PRODUCTION 0/01/86 GAS 0/00/00 GAS 0 GAS GATHERER EL PASO NATURAL GAS
 SELECTION FROM-TO 70-87

PRODUCTION DATA

YR NR WELLS PRODN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD	ITD	N/M
86 FLOW	1	1	1	1	1	1	1	1	1	1	0	0			
LIFT	0	0	0	0	0	0	0	0	0	0	0	0			
DAYS	27	28	0	0	0	5	1	1	1	0	0	0	63		11
OIL	0	134	0	0	0	0	0	0	0	0	0	0	134	134	134
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0		0
GAS	10882	13945	0	0	26	1637	354	1025	924	0	0	0	28793	28793	4113

Well Shut-in by Pipeline

SCR2
Lease# Name
851129

Hartman Operated Wells
Field Production Estimates
RECORD, H. S. #9 1987

Today 2-13-87
Time 11:53:44

Mcfpd	Bopd	Bwpd	TP	Cp	Chk	Days	Prod	Remarks
			330	326	28	S/I	1/10	SI BY PIPELINE
			330	326	28	S/I	1/11	SI BY PIPELINE
			334	330	28	S/I	1/12	SI BY PIPELINE
			334	330	28	S/I	1/13	SI BY PIPELINE
			334	330	28	S/I	1/14	SI BY PIPELINE
			334	330	28	S/I	1/15	SI BY PIPELINE
1092			240	284	28	1	FLOW	1/16
1092			190	240	28	1	FLOW	1/17
1026			180	240	28	1	FLOW	1/18
1045			158	248	38	1	FLOW	1/19
1006			132	240	38	1	FLOW	1/20
1007			124	236	38	1	FLOW	1/21
779			100	240	38	1	FLOW	1/22
			75	240	38	1	FLOW	1/23 WELL LOADED WITH FLUID
829	41	70	240	38	1	FLOW	1/24	

Press Enter/Rec Adv to continue
CMD 2 to Display Accumulator
CMD 5 for previous screen

CMD 7 to End Job
CMD 11 for another Lease

SCR2
Lease# Name
851129

Hartman Operated Wells
Field Production Estimates
RECORD, H. S. #9 1987

Today 2-13-87
Time 11:53:44

Mcfpd	Bopd	Bwpd	Tp	Cp	Chk	Days	Prod	Remarks
814		65	68	236	38	1	FLOW	1/25
777		62	68	220	64	1	FLOW	1/26
739		70	70	224	64	1	FLOW	1/27
755		62	68	224	64	1	FLOW	1/28
			270	262	64	S/I		1/29 SI BY PIPELINE
			278	270	64	S/I		1/30 SI BY PIPELINE
			278	270	64	S/I		1/31 SI BY PIPELINE
			278	270	64	S/I		2/01 SI BY PIPELINE
			280	280	64	S/I		2/02 SI BY PIPELINE
			290	290	64	S/I		2/03 SI BY PIPELINE
			290	290	64	S/I		2/04 SI BY PIPELINE
			300	296	64	S/I		2/05 SI BY PIPELINE
			300	296	64	S/I		2/06 SI BY PIPELINE
			306	300	64	S/I		2/07 SI BY PIPELINE
			300	306	64	S/I		2/08 SI BY PIPELINE

Press Enter/Rec Adv to continue
CMD 2 to Display Accumulator
CMD 5 for previous screen

CMD 7 to End Job
CMD 11 for another Lease

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TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

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

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

I. Operator
 Doyle Hartman

Address
 Post Office Box 10426 Midland, Texas 79702

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

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name H. S. Record	Well No. 9	Pool Name, including Formation Jalpat (Gas)	Kind of Lease State, Federal or Fee Fee	Lease No.
Location				
Unit Letter B	660	Feet From The North	Line and 1820	Feet From The East
Line of Section 22	Township 22S	Range 36E	NMPM,	Lea County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	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 Co.	P. O. Box 1492 El Paso, Texas 79978					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					No	December 1985

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
		X	X					
Date Spudded 11-29-85	Date Compl. Ready to Prod. 12-14-85	Total Depth 3830	P.B.T.D. 3823					
Elevations (DF, RKB, RT, GR, etc.) 3531.5 G.L.	Name of Producing Formation Yates-Seven Rivers	Top Oil/Gas Pay 3328	Tubing Depth 3378					
Perforations 2000-2500 Yates Seven Rivers			Depth Casing Shoe 3830					

INSTRUCTIONS

Doyle Hartman H. S. Record No. 9 Lea County, New Mexico

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 electrical and radioactivity logs on the well and a summary of all special tests conducted, including drill stem tests. All data reported shall be measured by this. In the case of sectionally 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 _____ 1542 _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 1638 _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____ 3028 _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 3210 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 3456 _____	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. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 3328 _____ to _____ 3503 _____	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
1542	1638	96	Anhydrite				
1638	3028	1390	Salt & Anhydrite				
3028	3210	182	Dolomite & Anhydrite				
3210	3456	246	Dolomite, Sandstone, & Anhydrite				
3456	3830	374	Dolomite & Sandstone				



JOHN WEST
ENGINEERING
COMPANY

412 North Dal Paso
Hobbs, New Mexico 88240

December 15, 1986

Mr. Doyle Hartman
500 North Main
Midland, Texas 79701

Re: Multi-point back pressure tests "Custer State No. 1"
"Toby No. 3"
"E.E. Jack No. 5"
"Marlow State No. 1"
✓ "H.S. Record No. 4"
"Holt M-xico State No. 1"
"Olsen Blinebry No. 2"

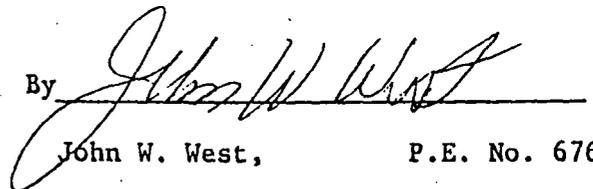
Dear Sir:

On December 9, 1986, the tests on the captioned wells were made in the field and the calculations as shown on the Form C-122 and the attached Log-Log plot were made under my supervision. This is to certify that the data and facts shown on the said Form C-122 and the attached plot are true and correct to the best of my knowledge.

Respectfully Submitted,

John West Engineering Co., Inc.

By


John W. West, P.E. No. 676



NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-63

Type Test <input type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special				Test Date 12-9-86	
Company DOYLE HARTMAN			Connection LEPN6		
Pool JYL MAT			Formation		Unit
Completion Date		Total Depth		Plug Back TD	Elevation
				Farm or Lease Name N. S. RECORD	
Case Size	Wt.	d	Set At	Perforations: From To	
Thg. Size 2 3/4	Wt.	d	Set At	Perforations: From To	
Type Well - Single - Drivenhead - G.G. or G.O. Multiple SINGLE				Packer Set At	
Producing Thru T66.				Reservoir Temp. °F	
				Mean Annual Temp. °F	
				Baro. Press. - P _a	
				State N.M.	
L 3328	H 3328	Q _g .679	% CO ₂	% N ₂	% H ₂ S
Prover			Meter Run 3		Taps FL6

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. in. H ₂ O	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							319		319		72'
1.	3	X	2.000	22	12.00	26	302		319		30"
2.	3	X	2.000	22	34.00	26	278		310		30"
3.	3	X	2.000	22	54.00	26	234		300		30"
4.	3	X	2.000	22	69.00	25	191		295		30"
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Compress. Factor, F _{pr}	Rate of Flow Q, Mcfd
1	21.32	20.55	35.2	1.034	1.214	NIL	550
2	21.32	26.59	35.2	1.034	1.214	NIL	926
3	21.32	28.60	35.2	1.034	1.214	NIL	1167
4	21.32	49.28	35.2	1.035	1.214	NIL	1320
5							

NO.	R	Temp. °R	T	Z	Gas Liquid Hydrocarbon Ratio <u>DP-615</u> Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons <u>52</u> Deg.
2					Specific Gravity Separator Gas <u>0.70</u> XXXXXXXXX
3					Specific Gravity Flowing Fluid <u>NIL</u> XXXXX
4					Critical Pressure <u>NIL</u> P.S.I.A. P.S.I.A.
5					Critical Temperature <u>NIL</u> °R °R

P _c 385.2 P _w 110.9				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 18.71$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.313$
NO	P _i ²	P _w	P _w ²	P _c ² - P _w ²	
1		332.2	110.0	0	
2		322.2	100.5	5.9	
3		313.2	98.1	12.3	
4		308.2	95.0	15.4	
5					

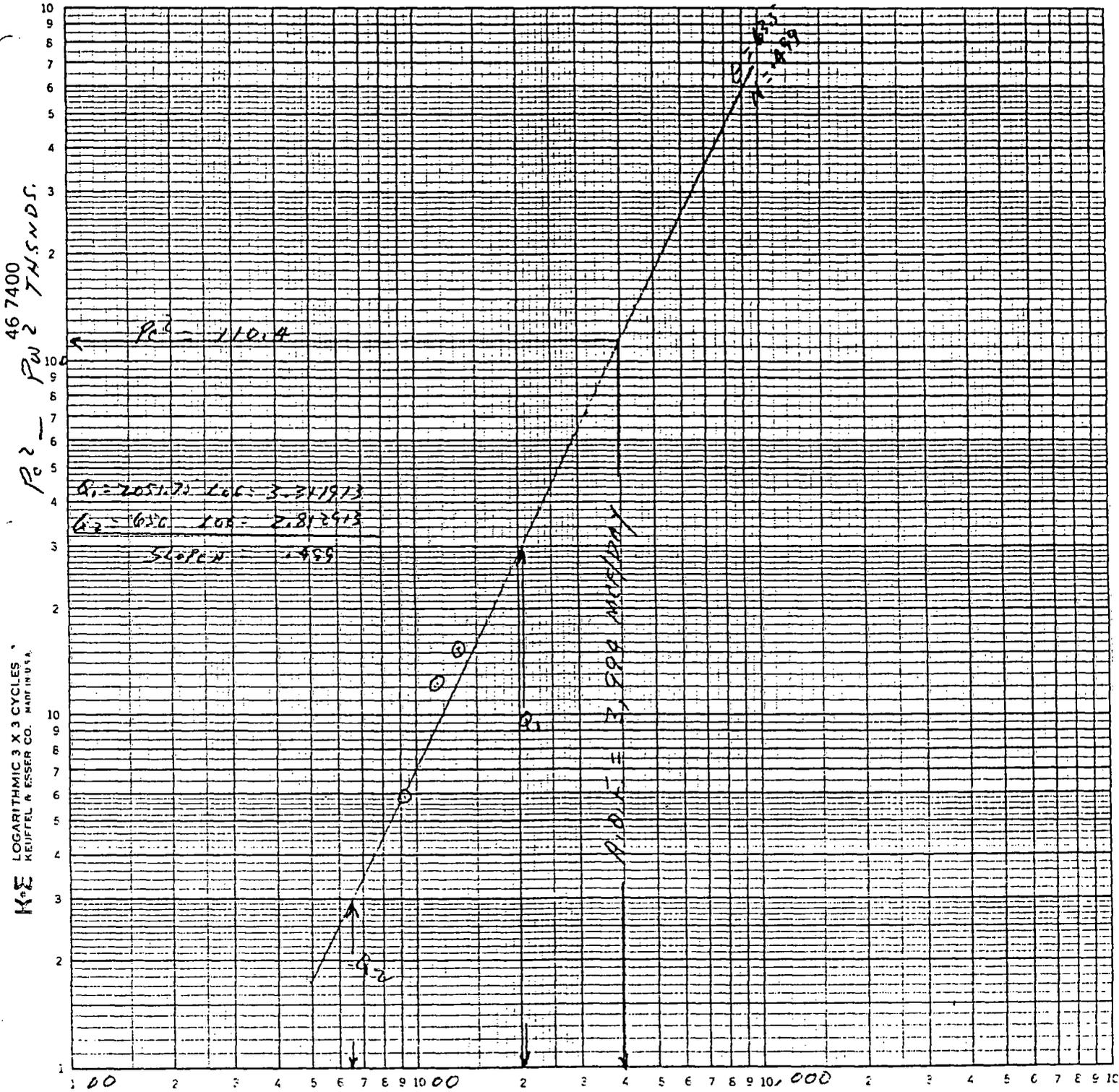
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.994$

Absolute Open Flow 3,994 Mcfd @ 15.025 Angle of Slope @ 63.5 Slope, n 1.999

Remarks: _____

Approved By Commission: _____ Conducted By: W.S. Calculated By: JD Checked By: JW

DOYLE HARTMAN
 N.S. RECORD No. 9



G-MCF/DAY

NO. OF COPIES RECEIVED	
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FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

3a. Indicate Type of Lease
State Free **X**

3. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. Name of Operator
Doyle Hartman

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

4. Location of Well
UNIT LETTER **B** **660** FEET FROM THE **North** LINE AND **1820** FEET FROM THE **East** LINE, SECTION **22** TOWNSHIP **22S** RANGE **36E** N.M.P.M.

7. Unit Agreement Name

8. Form or Lease Name
H. S. Record

9. Well No.
9

10. Field and Pool, or Wildcat
Jalmit (Gas)

15. Elevation (Show whether DF, RT, GR, etc.)
3531.5 G.L.

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 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 checked="" type="checkbox"/> X	OTHER <input type="checkbox"/>

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

Drilled well to a total depth of 3830'. Ran 92 joints (3831.91') of 7" OD, 26 lb/ft, ST&C casing and landed at 3830'. Cemented with 500 sx of API Class C cement containing 3% Econolite, 5 lb/sx Gilsonite and 1/4 lb/sx Floseal followed by 300 sx of a 50-50 blend of Pozmix A containing 18% Salt, 5 lb/sx Gilsonite and 1/2 lb/sx Floseal. Plug down at 5:30 a.m. 12-07-85. Circulated 200 sx excess cement to pits. Pressure tested casing to 1500 psi and pressure held okay. Released pressure and float held okay.

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

SIGNED Michelle Hernandez TITLE Administrative Assistant DATE December 12, 1985

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

5a. Indicate Type of Lease
State Free

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO CLEAN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" FORM C-1011 FOR SUCH PROPOSALS.

1. 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 B 660 FEET FROM THE North LINE AND 1820 FEET FROM THE East LINE. SECTION 22 TOWNSHIP 22S RANGE 36E T12PM.

7. Unit Agreement Name

8. Form of Lease Name
H. S. Record

9. Well No.
9

10. Field and Pool, or Whident
Jalmat (Gas)

11. Elevation (Show whether DF, RT, CR, etc.)
3531.5 G.L.

12. County
Lea

13. 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 checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	

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

Spudded well at 3:00 p.m. CST 11-29-85. Drilled 12-1/4" hole to a total depth of 426' with spud mud. Ran 11 joints (426.40') of 9-5/8" OD, 36 lb/ft, ST&C casing and landed at 423'. Cemented with 350 sx of API Class C cement containing 2% CaCl. Plug down at 2:30 a.m. CST 11-30-85. Circulated 80 sx of excess cement to pits. WOC 21-1/4 hours.

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

Michelle Hernandez TITLE Administrative Assistant DATE December 3, 1985

ORIGINAL SIGNED BY JERRY SEATON
DISTRICT I SUPERVISOR

DEC 5 - 1985

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

DEC 9 1985

WELL LOCATION AND ACREAGE DEDICATION PLAN

Effective 11-03
FERC

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

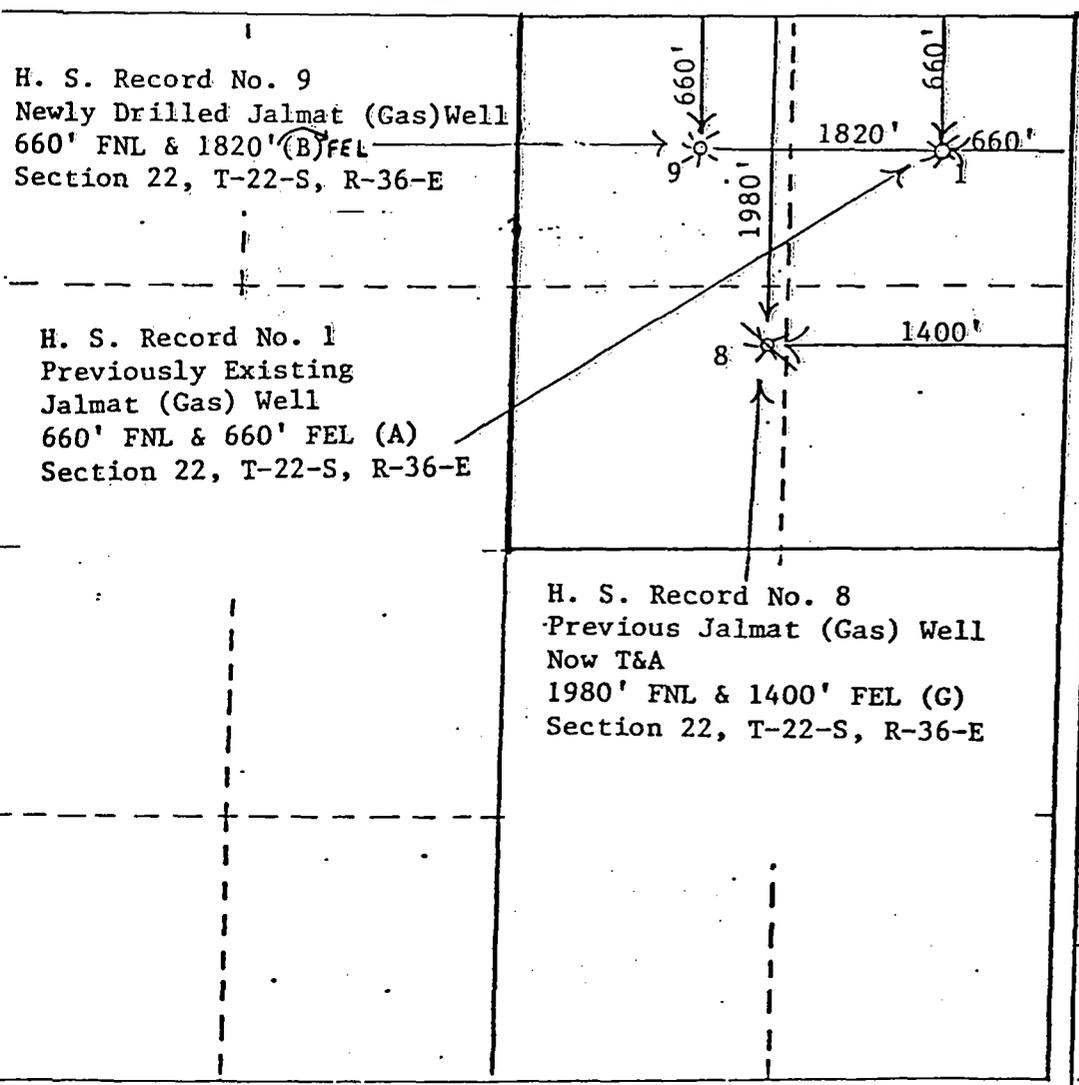
Owner Doyle Hartman		Lease H. S. Record		Well No. 9
Well Letter B	Section 22	Township 22-South	Range 36-East	County Lea
Well Location Location of Well:				
660 feet from the North	Line and	1820 feet from the East	Line	
Ground Level Elev. 3531.5	Producing Formation Yates-Seven Rivers	Pool Jalmat (Gas)	Dedicated Acreage 160	

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

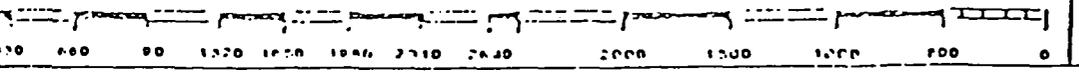
Yes No If answer is "yes," type of consolidation _____

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

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



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>Michelle Hembree</i>	
Name	Michelle Hembree
Position	Administrative Assistant
Company	Doyle Hartman
Date	March 31, 1986
I hereby certify that the well location shown on this plat was plotted from field notes and 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.	



WELL LOCATION AND ACREAGE DEDICATION PLAT

Effective 11-63

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

Owner Doyle Hartman		Lease H. S. Record		Well No. 1	
Well Letter A	Section 22	Township 22-South	Range 36-East	County Lea	
Actual Location of Well:					
660	feet from the North	line and	660	feet from the East	line
Ground Level Elev. 3530	Producing Formation Yates-Seven Rivers	Pool Jalmat (Gas)	Dedicated Acreage 160		

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

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

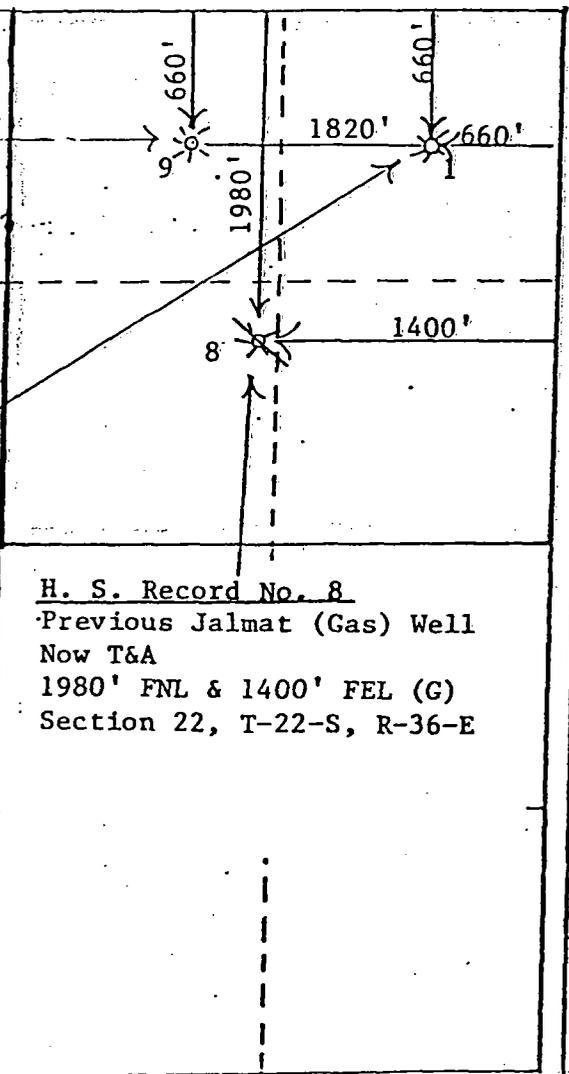
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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

H. S. Record No. 9
Newly Drilled Jalmat (Gas) Well
660' FNL & 1820' (B) FEL
Section 22, T-22-S, R-36-E

H. S. Record No. 1
Previously Existing
Jalmat (Gas) Well
660' FNL & 660' FEL (A)
Section 22, T-22-S, R-36-E

H. S. Record No. 8
Previous Jalmat (Gas) Well
Now T&A
1980' FNL & 1400' FEL (G)
Section 22, T-22-S, R-36-E



CERTIFICATION

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

Michelle Hembree
Name

Michelle Hembree

Position

Administrative Assistant

Company

Doyle Hartman

Date

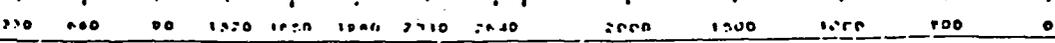
March 31, 1986

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

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.



MAY 12 1986

30-025-39484
FCC

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

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FCC

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work			7. Unit Agreement Name		
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Farm or Lease Name H. S. Record		
2. Name of Operator ✓ Doyle Hartman			9. Well No. 9		
3. Address of Operator Post Office Box 10426 Midland, Texas 79702			10. Field and Pool, or Wildcat Jalmat (Gas)		
4. Location of Well UNIT LETTER <u>B</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>1820</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>22</u> TWP. <u>22S</u> RGE. <u>36E</u> NMPM			12. County Lea		
19. Proposed Depth 3800		19A. Formation Yates-Seven Rivers		20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, KI, etc.) 3531.5 G.L.		21A. Kind & Status Plug. Bond Multi-Well Approved		21B. Drilling Contractor Not-Selected	
22. Approx. Date Work will start November 1985					

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	400	200	Circulate
8-3/4	7	23	3800	600	Circulate

Before drilling out from under the surface pipe, the well will be equipped with a 3000 psi, 10-inch series 900 Double-Ram Hydraulic BOP.

Note: Any gas produced from this well is dedicated to El Paso Natural Gas Co.

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

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

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

Signed Larry G. Wray Title Engineer Date October 28, 1985

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY _____ DATE NOV 27 1985

CONDITIONS OF APPROVAL, IF ANY:

DEC 2 1985

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

Form C-104
 Supersedes Old C-101 and C-
 Effective 1-1-65

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

I. Operator Doyle Hartman

Address Post Office Box 10426 Midland, Texas 79702

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

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

If change of ownership give name and address of previous owner New Tex Oil Company P. O. Box 297 Hobbs, New Mexico 88240

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>H. S. Record</u>	Well No. <u>1</u>	Pool Name, including Formation <u>Jalpat Gas (Yates-7 Rivers)</u>	Kind of Lease State, Federal or Fee <u>Fee</u>	Lease No.
Location				
Unit Letter <u>A</u>	: <u>660</u>	Feet From The <u>North</u>	Line and <u>660</u>	Feet From The <u>East</u>
Line of Section <u>22</u>	Township <u>22S</u>	Range <u>36E</u>	, NMPLA, <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)
<u>El Paso Natural Gas Company</u>	<u>P. O. Box 1492 El Paso, Texas 79978</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<u>Yes</u> <u>1-04-80</u>

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 Hos'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

	SACKS CEMENT
--	--------------

DATE Jan 28 19 80

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer Sinclair Development Corp. (8085)

Well Name and Number H.S. Record 1

Location 660'N, 660'E, Sec. 22, T-22-S, R-36-E, Lea Co., NM

Pool Name Jalmat

Producing Formation Yates

Top of Gas Pay 3,387'

Oil or Gas Well Gas

Gas Unit Allocation .25 (40 Acres)

Date Tied Into Gathering Systems 1/4/80

Date of First Delivery 1/4/80

Gas Gathering System Lea County 100# Gathering System

Processed through Gasoline Plant (yes or no) Yes

Station Number 60-189-01

Remarks: Site Code: 60189-6-01

By: M. H. Peterson, Dispatching

NOTICE OF GAS CONNECTION

DATE January 8, 1980

This is to notify the Oil Conservation Division that connection for the purchase of gas from the Sinclair Development Corp.
OPERATOR

H. S. Record #1 : Lea : A 22-22-36
LEASE & WELL : **COUNTY** : **UNIT S-T-R**

Jalmat Yates : El Paso Natural Gas Co.
POOL : **NAME OF PURCHASER**

was made on January 4, 1980 : 60189 - 6 : 0
DATE : **SITE CODE & SITE WELL NUMBER**

El Paso Natural Gas Co.

PURCHASER

H. H. Matsum

REPRESENTATIVE

Assistant Chief Division Dispatcher

TITLE

MHM: bl
cc: Operator
Oil Conservation Division - Santa Fe, NM
H. P. Logan
M. E. McEuen.
R. L. Tabb.
Proration Dept.
Measurement Dept.- Jal
Earl Smith
File

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

REGISTRATION	
PERMIT	
LAND OFFICE	
TRANSPORTER	
OPERATOR	
OPERATION OFFICE	

Sinclair Development Corporation

Address
P.O. Box 2192, Midland, Tx, 79702

Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:		
Incompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input checked="" type="checkbox"/>	
Change in Ownership <input type="checkbox"/>	Costinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>	

Change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name H.S. Record	Well No. 1	Pool Name, including Formation Jalpat-Yates	Kind of Lease State, Federal or Fee Fee	Lease No.
Location Unit Letter <u>A</u> : <u>660</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u> Line of Section <u>22</u> Township <u>22S</u> Range <u>36E</u> N.M.P.M. <u>Lea</u> County				

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
None-Well Standing	
Name of Authorized Transporter of Costinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	Box 1384 Jal, New Mexico 88252
Is well produces oil or liquids, give location of tanks.	Is gas actually connected? When
No Tanks At Present	No Soon

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 Heavy Dill. Res.
Date Spudded	Date Compl. Ready to Prod.	Total Depth		P.B.T.D.			
Locations (D.F., RKB, RT, CR, etc.)	Name of Producing Formation	Top Oil/Gas Pay		Tubing Depth			
Perforations				Depth Casing Shoe			

TUBING, CASING, AND CEMENTING RECORD

NO. OF COPIES DESIRED	
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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
 State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement No.

8. Form or Lease Form
 H.S. Record

9. Well No.
 1

10. Field and Pool, or Well Unit
 Jalmat-Yates

12. County
 Lea

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL GAS WELL OTHER _____

Name of Operator

Sinclair Development Corporation

Address of Operator

P.O. Box 2192, Midland, Tx, 79702

Location of Well

UNIT LETTER A 660 FEET FROM THE North LINE AND 660 FEET FROM

THE East LINE, SECTION 22 TOWNSHIP 22S RANGE 36E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
 3530 GL

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

- REFORM REMEDIAL WORK
- APPEARABLY ABANDON
- WELL OR ALTER CASING
- OTHER _____

- PLUG AND ABANDON
- CHANGE PLANS

- REMEDIAL WORK
- COMMENCE DRILLING OPNS.
- CASING TEST AND CEMENT JOBS
- OTHER _____

- ALTERING CASING
- PLUG AND ABANDONMENT
- Production Test

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.

10-22-79

Shut-in pressure = 150 PSI. Opened well on Open choke and produced through 2x12.5 orifice critical well tester. Well pressure stabilized @ 78 PSI flowing pressure. Calculated production = 30 MCF per day. Test performed by EPNG and witnessed by H.G. Starling, Basin Consultant. Well now closed closed in waiting on Non-Standard Unit approval.

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

SIGNED

TITLE Basin Oil Consultants

DATE 11-7-79

PROVED BY

Orig. Signed by
 Jerry Sexton
 Dist. L. Supv.

TITLE

DATE

NOV 9 1979

CONDITIONS OF APPROVAL, IF ANY.

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form (C-13)
Revised 12-1-75

NO. OF COPIES RECEIVED	
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FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

10. Indicate Type of Lease
State Fee

11. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

12. Well Agreement Date

13. Term of Lease Date

U.S. Record

14. Well No.

1

15. Field and Pool, or Wellnet

Jalmat Gates

CAS WELL OTHER

Name of Operator

Sinclair Development Corporation

Address of Operator

Box 2192, Midland, Tx. 79702

Location of Well

IT LETTER A 660 FEET FROM THE North LINE AND 660 FEET FROM

East LINE, SECTION 22 TOWNSHIP 22S RANGE 36E N.M.P.M.

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

3530 GL

17. County

Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

NEW REMEDIAL WORK
 PARTIALLY ABANDON
 ALTER CASING
 CR

PLUG AND ABANDON
 CHANGE PLANS

REMEDIAL WORK
 COMMENCE DRILLING OPNS.
 CASING TEST AND ELEMENT JOB
 OTHER

ALTERING CASING
 PLUG AND ABANDONMENT

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

10-8-79

ran Dresser-Atlas Gamma Ray CCL Log, Set cast iron bridge plug @ 3625' (above Seven Rivers), Dumped 10' cement on top of bridge plug. FBTD=3615'. Perforated 4" casing w/ one jet shot at 3387-90-95-98-3413-40-45-58-60-64-75-79-84-3525-32. Hole loaded w/ 2% KCL water and 110 gal. 15% acid spotted over pay zone prior to perforating. Acid treated formation w/ 1,000 gal. 15% acid. Broke @ 1100 PSI, dropped 20 ball sealers. Positive ball-action. Balled out. Max. press.=2000 PSI. Inj. rate=2.5 BPN. Instant S.I.=300 PSI, 3 Min.=vacuum. Swabbed 19 bbls water, Well dry, 36 bbls water under load. S.I 14 hrs. Tbg. Press.=165 PSI. Bled well off, swabbed no fluid. Unseated pkr, swabbed 53 bbls water, well dry. 56 BWUL. Pulled tbg, Ran pkr & frac pipe, fraced formation w/ 40,000 gal. frac (Western). 20,000 gal. Titan 11-30 & 20,000 gal. CO2, & 100 mesh sand, 20-40, & 10-20 mesh sand. Max press.=2500, Avg.=2200, inj. rate= .8 BPN. Inst.S.I.=650, 5-min.=650, 10 min.=600, 15 min.=575. 2 hrs.=250. Blew well down in three hrs. Ran swab, no fluid. 660 BWUL. Pulled frac pipe & pkr Ran 2" tbg, tagged sand fill @ 3595', hung tbg @ 3472 w/ bull-plugged perforation @ 3472'-3468'. Ran swab, No fluid. Closed well in. After 24 hr S.I. tbg press.=200 PSI, csg. press.=300 PSI. Tests to follow. Work completed 10-15-79.

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

[Signature]

TITLE Basin Oil Consultants, Inc. DATE 10-16-79

[Signature]

TITLE SUPERVISOR DISTRICT 1 DATE OCT 17 1979

SIGNATURE OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-103
Revised 10-1-79

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

3a. Indicate Type of Lease
State Fee
5. State Oil & Gas Lease No.

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

OIL WELL GAS WELL OTHER

7. Unit Agreement Name

Name of Operator

8. Farm or Lease Name

Sinclair Development Corporation

Sun-H.S. Record

Address of Operator

9. Well No.

Box 2192, Midland, Tx.

1

Location of Well

10. Field and Pool, or Wildcat
South Eunice

UNIT LETTER A 660 FEET FROM THE North LINE AND 660 FEET FROM

THE East LINE, SECTION 22 TOWNSHIP 22S RANGE 36E N.M.P.M.

15. Elevation (Show whether DF, RT, GR, etc.)
3530 GL

12. County
Lea

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

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
FULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <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.

Present TD: 3914
4" Liner Cemented @ 3913

Queens Zone has been squeezed off. Plan is to set C.I. Bridge Plug above Seven Rivers (3625*) Cap plug with cement, perforate 4" csg to re-enter the Yates. Frac treat Yates with 40,000-50,000 Gal. Frac Treatment.

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

ISSUED 

TITLE Basin Oil Consultants, Inc. 9-24-79

APPROVED BY
Orig. Signed by
Jerry Sexton
Dist 1. Supv.

TITLE

DATE SEP 24 1979

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

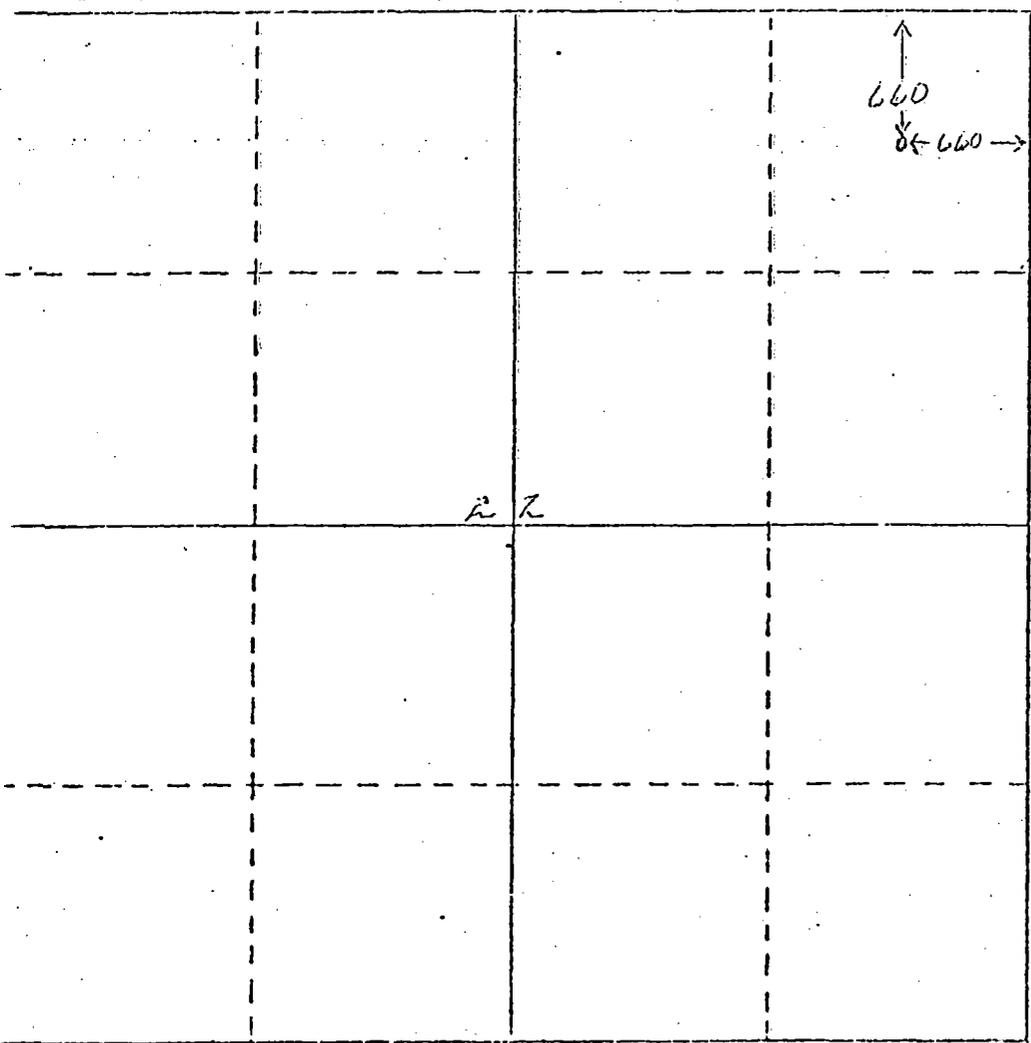
Operator Sinclair Development Corp		Lease U.S. Record		Well No. 1
Well Letter A	Section 22	Township 22S	Range 36E	County Lea
Actual Well Location of Well: 660 feet from the North line and 660 feet from the East line				
Ground Level Elev. 3530	Producing Formation Yates	Well Jalmit	Dedicated Acreage: 40 Acres	

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

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

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

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



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>[Signature]</i>	
BASIN OIL Consultants, Inc.	
Position	Sinclair Dev. Corp.
Company	9-24-79
Date	
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	
Registered Professional Engineer and/or Land Surveyor	

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
 AND
 AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

Operator
 Sinclair Development Corporation

Address
 P.O. Box 2192, Midland, Tx. 79702

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

This report filed to change name of Operator only.

If change of ownership give name and address of previous owner C.H. Juni, 1500 Douglas, Midland, Tx. 79701

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease
H.S. Record Unit	1	Jalmat - Yates	State, Federal or Fee fee	
Location				
Unit Letter	A	660	Feet From The	North
			Line and	660
			Feet From The	East
Line of Section	22	Township	22S	Range
				36E
				NMPM, M
				Lea
				Co

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
None - Well Standing	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Not Connected	
If well produces oil or liquids, give location of tanks. No tanks at present	Unit Sec. Twp. Rge. Is gas actually connected? When
	No

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. F
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							

TUBING, CASING, AND CEMENTING RECORD

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

5a. Indicate Type of Lease

State Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL GAS WELL OTHER

7. Unit Agreement Name

A

Name of Operator

C. H. Juni

8. Farm or Lease Name

Sun Record

Address of Operator

1500 Douglas, Midland, Texas 79701

9. Well No.

1

Location of Well

UNIT LETTER A 660 FEET FROM THE North LINE AND 560 FEET FROM
THE East LINE, SECTION 22 TOWNSHIP 22S RANGE 36E NMPM.

10. Field and Pool, or Wildcat

So. Eunice Queen

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

12. County

Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

FORM REMEDIAL WORK

PLUG AND ABANDON

REMEDIAL WORK

ALTERING CASING

TEMPORARILY ABANDON

CHANGE PLANS

COMMENCE DRILLING OPNS.

PLUG AND ABANDONMENT

DRILL OR ALTER CASING

OTHER

CASING TEST AND CEMENT JOB

OTHER

OTHER

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

- June 12, 1979 ReSpd OTD 3490 Drilled 4 3/4" hole to NTD 3914.
- June 18, 1979 Ran 4" OD Flush Joint Liner to 3913 with top of liner hanger @ ²⁹⁸² 3913
Cement w/250 sax of cement.
- June 21, 1979 Perforate 4" line @ 3839, 3847, 3851, 3855 and 3861.
- June 22, 1979 Ran RTTS pack on 2 3/8 tubing & treated with 1750 gals. acid, Swabbed
dry, 46 bbls. acid lift in formation.
- June 23, 1979 Fraced w/30,000 gals. & 60,000 # sd, Swabbed & Flowed Load, Swabbed
water (analysis showed water to be injection water).
- June 27, 1979 Squeezed perforation 3839-3861 w/150 sax cement. Perforate 3679,
3705, 3717, 3727, 3732, 3753 & 3761.
- June 28, 1979 Ran tubing w/RTTS. Acidized w/3000 gals. Swabbed dry. 38 Bbls.
of fluid left in formation.
- July 1, 1979 Temporarily Abandoned.

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

SIGNED C. H. Juni

TITLE Operator

DATE 9-21-79

Orig Signed by
Jerry Sexton

APPROVED BY Dist 1. Supv.

TITLE

DATE SEP 24 1979

CONDITIONS OF APPROVAL, IF ANY:

Expires 9/24/80

COUNTY LEA FIELD Eunice, S. STATE NM
 OPR SINCLAIR DEVELOPMENT CORP. API MN 09000
 NO 1 HANS Sun Record MAP
 Sec 22, T22S, R36E RECORD
 660 FNL, 660 FEL of Sec 2-3-22 NM
 6 mi SE/Eunice RE PD 6-12-79 RE MP 1-4-80

CSC	WELL CLASS: INIT DD FIN DG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
13 3/8-60-100 sx				
9 5/8-1606-1000 sx				
5 1/2-3201-800 sx				
4-lnr-2982-3914-250 sx				
2-3472				
	ID. 3914 (QUEN)		PHD 3615	

IP (Yates) Perfs 3387-3532 F 30 MCFGPD. Pot based on 24 hr test thru op chk. GOR (NR); gty (NR); CP Pkr; TP 78

P.L.C. El Paso Natural Gas

CONTR X-Pert OPRSTEV 3538 DF PD 4000 RT

10-15-79 F.R. 6-4-79 OWDD (Queen) (Orig. Sun Oil Co., 1 lls record unit, comp. 8-23-48 from (Yates) OH 3201-3490, OTD 3490) TD 3914; SI Deepened 3490-3914 Ran 4 lnr Perf (Queen) @ 3839, 3847, 3851, 3855, 3861 Acid (3839-61) 1750 gals Frac (3839-61) 30,000 gals + 60,000# sd Swbd dn w/NS (3839-61) Sqzd (3839-61) w/150 sx & DOC Perf (Queen) @ 3679, 3705, 3717, 3727, 3732, 3753, 3761 Acid (3679-3761) 3000 gals Swbd dn w/NS (3679-3761)

11-3-80 TD 3914; PBD 3615; Complete PB to 3615 Perf (Yates) @ 3387, 3390, 3395, 3398, 3413, 2-3-22 NM

LEA
SINCLAIR DEVELOPMENT
CORP.

License, No.
1 Sun Acct.

Page #2

11-3-80

Continued

3440, 3445, 3458, 3460, 3464, 3475, 3479,
3484, 3525, 3532

Acid (3387-3532) 1000 gals (15%)

Frac (3387-3532) 60,000 gals + 20,000 gals

CO₂ + sd

2-16-80

TEMPORARY COMPLETION ISSUED

11-8-80

RE-ISSUE OF SUSPENDED COMPLETION & TO AMEND
OPERATOR: Formerly reported as Juni, C. H.

2-3-22 NM

LC 30-025-70191-79

C.H. JUNE #1 SUR BENEVO
 LEA COUNTY, NEW MEXICO

DRILLING REPORT

June 9, 1979 Rig up X-Port Well Service unit. Pull rods, install B.O.P. and pull tubing. (126 3/4" rods and 102 joints tubing 3154' plus seating nipple, perforated nipple and 15' mud anchor.

June 10, 1979 Did not work.

June 11, 1979 Did not work.

June 12, 1979 Rig up X-Port reverse rig. Pick up 4 3/4" bit and 8- 3 1/8" drill collars. Cleaned out 7 7/8" nose from bottom of casing at 3200' to 3490'. Make approximately two feet of hole. Pull up in casing and shut down for night.

June 13, 1979 Reverse out four feet fill. Drill to 3508'. Pull tubing to change bit. Ran button bit. At 7:00 A.M. drilling at 3576'.

June 14, 1979 Drilling at 3576'.

June 15, 1979 Drilling at 3712'.

June 16, 1979 Drilling at 3774'.

June 17, 1979 Drilling at 3829'.

June 18, 1979

C.D.	3914'	
Ran	1.25'	Floatshoe 3" O.D. 11.34# 3 rd.
	16.00'	shoe joint 4" O.D. 11.34# 3 rd.
	.05"	landing collar 3 rd.
33 Jts.	903.00'	4" O.D. 11.44# 4/4 drill P. J.
	10.00'	4" O.D. Baker HyFlo Ranger-Packer
Total	931.18'	

June 18, 1979
(cont.)

Set liner on hanger one foot off bottom at 3913' with top of liner hanger at 3982'. Landing collar and plugs at 3895'. Cemented with 250 sacks Class "C" with 5# salt per sack, 0.3 of 1% HLX 249 per sack, and 0.3 of 1% CFR-2 per sack. Reversed out approximately 80 sacks cement. Job completed approximately 5:30 P.M. 6-17-79 Pumped plug down with 250 gallons MSA and KCl water.

June 19, 1979

Waiting on cement.

June 20, 1979

Waiting on cement.

June 21, 1979

Rig up Perfo-Jet. Go in hole with wire line. Unable to get below top of liner. Run 4 3/4" bit and casing scrapper to top of liner. Run 3 5/16" bit to bottom at 3895'. Run cement bond log, run Gamma-Ray collar log, perforate one hole at 3839', 3841', 3847', 3851', 3855', 3861' - total six holes.

June 22, 1979

Ran RTTS packer on 2 3/8" tubing, treated perforations with 250 gallons MSA 10% and 1500 gallons MCA 15%. Formation broke at 2500#. Dropped 12 ball sealers. Balled out. Maximum pressure 2600#, average pressure 2500#, average rate 3 BPM, Acid 36 bbls. Flush 24 bbls. Total 60 bbls. Swabbed 14 bbls. water. Swabbed dry. 46 bbls. left in formation.

June 23, 1979

Rig up Halliburton to frac.
Pumped 2000 gallons pre pad with 3% Parasperse
3000 gallons pad and CO₂
2000 with 2# 20-40 sand
1600 gallons with 2# 20-40 sand
1700 gallons cut sand, start flush
1750 gallons flush.

Mechanical trouble.
Total 12,110 gallons.

Regrouped. Called for additional material for complete frac job.

Pumped 1000 gallons pad and CO₂,
2000 gallons with 2# 20-40 sand
1700 gallons with 2# 20-40 sand
3000 gallons with 4# 20-40 sand
3000 gallons with 5# 20-40 sand
4000 gallons with 5# 10-20 sand
1700 gallons with 5# 10-20 sand
1700 gallons flush

18100

June 23, 1979
(contl.)

Pumping pressure	maximum	4450#
	minimum	2700#
Pumping rate	maximum	12 BPM
	minimum	11 BPM

151P	1230#		
5 min 51P	1160#	Average rate	11 BPM
10 min 51P	1100#	Average PSI	2900 #

Total fluid 417 bbls. plus 46 bbls. from previous acid job. Total 463.

Opened well at 4:35 P.M. Flowed 330 bbls. frac water in seven hours. Well died. Left to tank overnight.

June 24, 1979

Found fluid level at 500'. Swabbed from 7:30 A.M. to 3:00 P.M. Lowered fluid level to 2200'. Recovered 120 bbls. Total 450 of 463. Left overnight to tank.

June 25, 1979

Well flowed 18 bbls. overnight.

June 26, 1979

Well flowed one bbl. overnight. Swabbed 20 bbls. water in 2 hours. Pulled 3 1/2" tubing. Ran 2 3/8" tubing to 3860'. Swabbed an additional 45 bbls. to 6:00 P.M. Closed in overnight.

June 27, 1979

Well had approximately 20# pressure. Fluid level at 1000'. Swabbed 2 runs. Recovered 10 bbls. water. Chemical analysis indicated fluid to be water flood injection water. Pulled tubing. Ran EZ drill squeeze tool to 3800'. Squeeze perforations 3839' to 3861' with 100 sacks of Class "C" neat and 50 sacks of Class "C" with 0.3 of 1% Haliad per sack. Maximum pressure 2500#. Rigged up Perfo-Jet and perforated 3679', 3705', 3717', 3727', 3732', 3753', and 3761'. Total seven holes.

June 28, 1979

Run tubing with RTTS. Spot one bbl. acid over perforations. Pick up tubing. Set packer at 3650'. Acidized with 3000 gallons MCA. Started pumping into formation at 1400#. Increased rate to 2.5 BPM. Dropped one ball sealer every 300 gallons. Balled out to 3800#. Released pressure and dropped balls off perforations. Finished job at 4 BPM.

151P	1000#
5 min 51P	800#
10 min 51P	750#
15 min 51P	700#

Total load 87 bbls. of fluid.

Swabbed 15 bbls. fluid. Well swabbed dry. Closed in overnight.

June 29, 1979

Well had approximately 20# tubing pressure. Fluid level 1000' from bottom. Swabbed 4 bbls. fluid. Swabbed dry. Waited total 2 hours. Unable to recover additional fluid. Release packer. Run 2 stands to swing tubing near bottom. Recovered 49 bbls packer fluid. Swabbed dry. Closed in overnight.

June 30, 1979

Well had a slight vacuum fluid level 300' from bottom. Swabbed 2 bbls. No shows of oil or gas. Pulled tubing to recover RTTS. Laid down rental tubing. Ran tubing and rods in well. Released all rental equipment and rig. Wait on orders.

July 1, 1979

Decision made to temporarily abandon test. Sun Oil Company has been approached to farmout 120 acres adjoining our 40 acre tract with the intent of forming a 160 acre Yates gas unit. State and Federal Energy Offices will be contacted to determine what must be done to qualify for maximum gas price.

NEW MEXICO OIL CONSERVATION COMMISSION

Form O-101
Revised 1-1-65

NO. OF COPIES RECEIVED		
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S.G.S.		
FIELD OFFICE		
OPERATOR		

5A. Indicate Type of Lease
STATE FEDERAL

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

Type of Well DRILL DEEPEN PLUG BACK

OIL WELL GAS WELL OTHER

SINGLE ZONE MULTIPLE ZONE

Name of Operator

H. Juni

Address of Operator

1800 Douglas, Midland, Texas 79701

Location of Well

UNIT LETTER **A** LOCATED **660** FEET FROM THE **North** LINE

660 FEET FROM THE **East** LINE OF SEC. **22** TWP. **22S** RGE. **36E**

7. Lost Acreage Name

8. Firm or Lease Name

Sun Record

9. Well No.

1

10. Field and Locality of Well

South Eunice

11. County

Lea

12. Production Depth	13A. Formation	13B. Type of C.T.
4000'	Queen	Rotary

14. Elevations (Show whether D.F., R.T., etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3930 GL	Blanket	X-Part Well Service	June 11, 1979

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 3/4	13 3/8	484	30'	20	Circ
12 1/2	9 5/8	324	1595	1000	Circ
7 7/8	5 1/2	144	3201	800	1100'
Above casing now in hole.					
4 3/4	4"	106	3950	500	3000'

Present TD 3490'

Deepen to approximately 3950'. Run 4" Liner from 3000' to 3950'. Perforate pay and run tubing. Rig up pump and put on production. BOP will be adequate for area & depth.

OVER SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION. ONE. 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 *H. Juni* Title Operator Date May 23, 1979

(This space for State Use)

APPROVED BY *[Signature]* TITLE SUPERVISOR DISTRICT 1 DATE MAY 24 1979

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
 WELL LOCATION AND ACREAGE DEDICATION

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

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

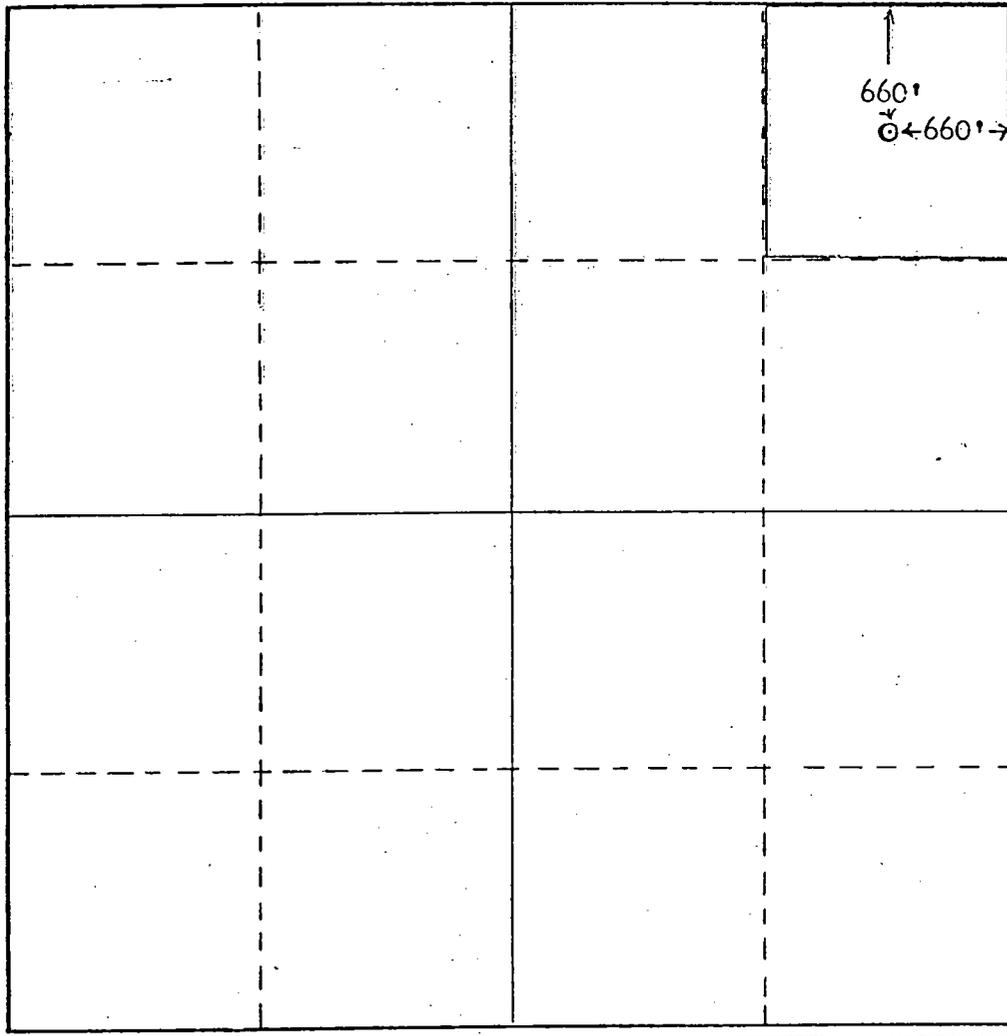
Operator C. H. Juni			Lease Sun Record			Well No. 1		
Unit Letter A	Section 22	Township 22 South	Range 36 East	County Lea				
Actual Footage Location of Well:								
660 feet from the North line and			660 feet from the East line					
Ground Level Elev. 3530	Producing Formation Queen		Pool South Eunice			Dedicated Acreage: 40 Acres		

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

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

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

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



CERTIFICATION

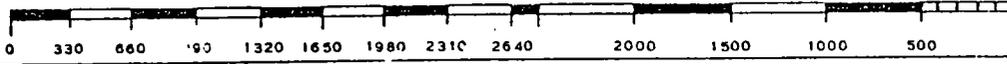
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: *C. H. Juni*
 Position: **Operator**
 Company: **C. H. Juni**
 Date: **May 23, 1979**

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

Date Surveyed: _____
 Registered Professional Engineer and/or Land Surveyor

Certificate No. _____



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LAND OFFICE	
TRANSPORTER	
OPERATOR	
REGISTRATION OFFICE	

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

C. H. Juni

Address

1500 Douglas, 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 lease name from H. S. Record Unit to Sun Record

If change of ownership give name and address of previous owner

Sun Oil Company, P. O. Box 2192, Midland, Texas 79701

DESCRIPTION OF WELL AND LEASE

Lease Name Sun Record	Well No. 1	Pool Name, including Formation South Eunice Queen	Kind of Lease State, Federal or Free Fee Free	Lease to
---------------------------------	----------------------	---	--	----------

Location

Unit Letter **A**, **660** Feet From The **North** Line and **660** Feet From The **East**

Line of Section **22** Township **22S** Range **36E**, N.M.P.M., **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 type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When

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 Rest.	Diff. Rest.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.S.T.D.					
Elevations (DF, RKB, FT., GR., etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							

MINING, GEOL. AND GEOLOGICAL RECORD

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S.G.S.		
AND OFFICE		
PERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

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

OIL WELL GAS WELL OTHER

Name of Operator
Sun Oil Company

Address of Operator
P. O. Box 1861, Midland, Texas 79701

Location of Well
UNIT LETTER **A** **660** FEET FROM THE **North** LINE AND **660** FEET FROM
THE **East** LINE, SECTION **22** TOWNSHIP **22S** RANGE **36E** NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
GR. 3530

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
H. S. Record Com.

9. Well No.
1

10. Field and Pool, or Wildcat
Jalmat Yates

12. County
Lea

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

NOTICE OF INTENTION TO:

INFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING

TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT

CULL OR ALTER CASING OTHER CASING TEST AND CEMENT JOB

OTHER **Shut-in or TA Well Status Report.**

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:

REQUEST FOR ONE YEAR EXTENSION OR INITIAL REQUEST FOR TEMPORARY ABANDONMENT PERMIT.

NOTE: All wells submitted here-on are in compliance with Commission regulations concerning a proper condition of the well as to the prevention of damage to the producing zone, migration of hydrocarbons or water, the contamination of fresh water or other natural resources, or the leakage of any substance at the surface.

WELL STATUS: TA

TEMPORARY ABANDONMENT DATE: NA

REASON FOR TEMPORARY ABANDONMENT: Low flow rate due to sand fillup & depletion

FUTURE PLANS FOR WELL: Clean out well & return to production

APPROXIMATE DATE FOR WORKOVER OR P&A OPERATIONS: April, 1977

Expires 11-1-76

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

SIGNED Charles Gray TITLE Proration Analyst DATE 6-10-76

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

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

CONTRIBUTION		
STATE FEE		
FEE		
U.S.S.		
AND OFFICE		
OPERATOR		

SUNDRY NOTICES AND REPORTS ON WELLS

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

WELL GAS WELL OTHER

Operator SUN OIL COMPANY

Address of Operator P. O. BOX 1861, MIDLAND, TEXAS 79701

Location of Well
UNIT LETTER A 660 FEET FROM THE North LINE AND 660 FEET FROM
THE East LINE, SECTION 22 TOWNSHIP 22-S RANGE 36-E NMPM.

15. Elevation (Show whether DF, RT, CR, etc.)
3530' GR

5a. Indicate Type of Lease
State

5. State Oil & Gas Lease No.

7. Unit Assignment Name

8. Name of Lessee
H. S. Record ~~Trust~~ Com.

9. Well No.
1

10. Field and Pool, or Well and
Jalmat Yates

12. County
Lea

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

FORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PERMANENTLY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
WORK ON ALTERN CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

Status of Shut-in, TA, and Unreported Wells

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. WELL STATUS: Temporarily Abandoned

TEMPORARY ABANDONMENT DATE ETC: NA

REASON FOR TEMPORARY ABANDONMENT: Sanded-Up Well

FUTURE PLANS FOR WELL: Will be worked over & put back on production

APPROXIMATE DATE FOR WORKOVER OR P&A OPERATIONS: June 1975

DATE: Expires 11/1/75

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

By Ray McKay TITLE Production Analyst DATE Oct. 30, 1975

By Joe [unclear] TITLE _____ DATE _____

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ADDRESS 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.
7. Unit Agreement Name H. S. Record Unit <i>Conn</i>
8. Farm or Lease Name
9. Well No. 1
10. Field and Pool, or Wildcat Jalmat Yates 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 _____

Name of Operator
Sun Oil Company

Address of Operator
Box 1861, Midland, Texas 79701

Location of Well
UNIT LETTER **A** **660** FEET FROM THE **Well South** LINE AND **660** FEET FROM THE **East West** LINE, SECTION **22** TOWNSHIP **22S** RANGE **36E** NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
GR. 3530

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

REPAIR OR ALTER CASING

OTHER _____

PLUG AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOB

OTHER _____

ALTERING CASING

PLUG AND ABANDONMENT

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.

The above well is currently TA. At this time plans are under way to return the well to production by method of cleaning sand from well bore & acid stimulation.

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

SIGNED Charles D. Gray TITLE Proration Clerk DATE 11-26-73

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

El Paso Natural Gas Company

El Paso, Texas 79978

November 13, 1973

ADDRESS REPLY TO
POST OFFICE BOX 1384
JAL. NEW MEXICO 88252

Oil Conservation Commission
State of New Mexico
P. O. Box 1980
Hobbs, New Mexico 88240

Gentlemen:

This is to advise that on November 12, 1973 the Sun Oil Company's H.S. Record Unit #1, Jalmat gas well located in Unit A, of Section 22, Township 22, Range 36 Lea County, New Mexico was disconnected from El Paso Natural Gas Company's gathering system.

This disconnection was due to well being temporarily abandoned.

Yours truly,

PERMIAN DIVISION DISPATCHING DEPARTMENT

Travis R. Elliott
Travis R. Elliott
Gas Production Status Analyst

TRE:bl

cc: Mr. Elvis Utz, O.C.C., Santa Fe, New Mexico
Proration Department
H. O. Whitt
Gas Purchases
Sam Smith
H. P. Logan
T. J. Crutchfield
Measurement Department
Operator
R. H. Barnett
Earl Smith
Chub Fuller
R. T. Speer
R. L. Tabb
B. D. Ballard
File

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

P. O. Box 2045
Hobbs

March 2, 1961

Sun Oil Co.
Box 2792
Odessa, Texas

Re: Record Unit #1-A
22-22-36
Jalmat Gas Pool

Gentlemen:

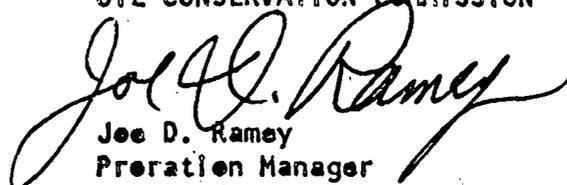
This office has been notified by the purchaser that subject well in the Jalmat Gas Pool was switched from Jal
High Pressure Gathering System to the Jal
Intermediate Gathering System on 2/24/61
Date

In accordance with Order No. R-1670 (insofar as it relates to the Jalmat Gas Pool,) Memorandum No. 6-58, and Memorandum No. 3-60, the Commission requests that a new Deliverability Test be conducted and results filed with the Hobbs office within forty-five (45) days of the above date of reconnection.

Failure to comply with this request shall result in cancellation of allowable.

Yours very truly,

OIL CONSERVATION COMMISSION


Joe D. Ramey
Production Manager

SE # 756

JDR:mg
Copies to
Mr. E. A. Utz, Gas Engineer - Santa Fe
Mr. E. F. Engbrecht, Engineer - Hobbs
Purchaser -

Memorandum

To: H. H. Shelton
 From: Kenneth N. Gordon

Date: February 27, 1961
 Place: Permian Division Office
 Dispatching Department

SUN OIL COMPANY

Record Unit #1 (A-22-22-36)
 (60-189)

At 12:00 Noon on February 24, 1961, the Sun Record Unit #1 was switched from the Jal High Pressure Gathering System to the Jal Intermediate Gathering System due to its inability to produce its minimum contract requirements.

Kenneth N. Gordon
 Kenneth N. Gordon
 Dispatching Department

KNG:imp

cc: E. A. Searce
 W. C. Cheek
 P. N. Woodruff
 R. E. Pithian
 W. W. Maxwell
 V. M. Plummer
 M. C. Robertson
 J. T. Recer
 T. Gaskin
 R. T. Wright
 N.H.O.C.C., Hobbs, New Mexico
 N.H.O.C.C., Santa Fe, New Mexico
 File

Fithian

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Jalmat Formation Yates County 2 Lea

Initial Annual Special X Date of Test 11/2/56

Company Sun Oil Company Lease Record Unit Well No. 1

Unit A Sec. 22 Twp. 22 S Rge. 36 E Purchaser EPNG

Casing 5 1/2 Wt. 14 I.D. 5.012 Set at 3201 Perf. To

Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 3476 Perf. To

Gas Pay: From 3325 To 3490 L 3476 xG .675 -GL 2346 Bar.Press. 13.2

Producing Thru: Casing Tubing X Type Well Single

Date of Completion: 6-2-48 Packer None Reservoir Temp.

OBSERVED DATA

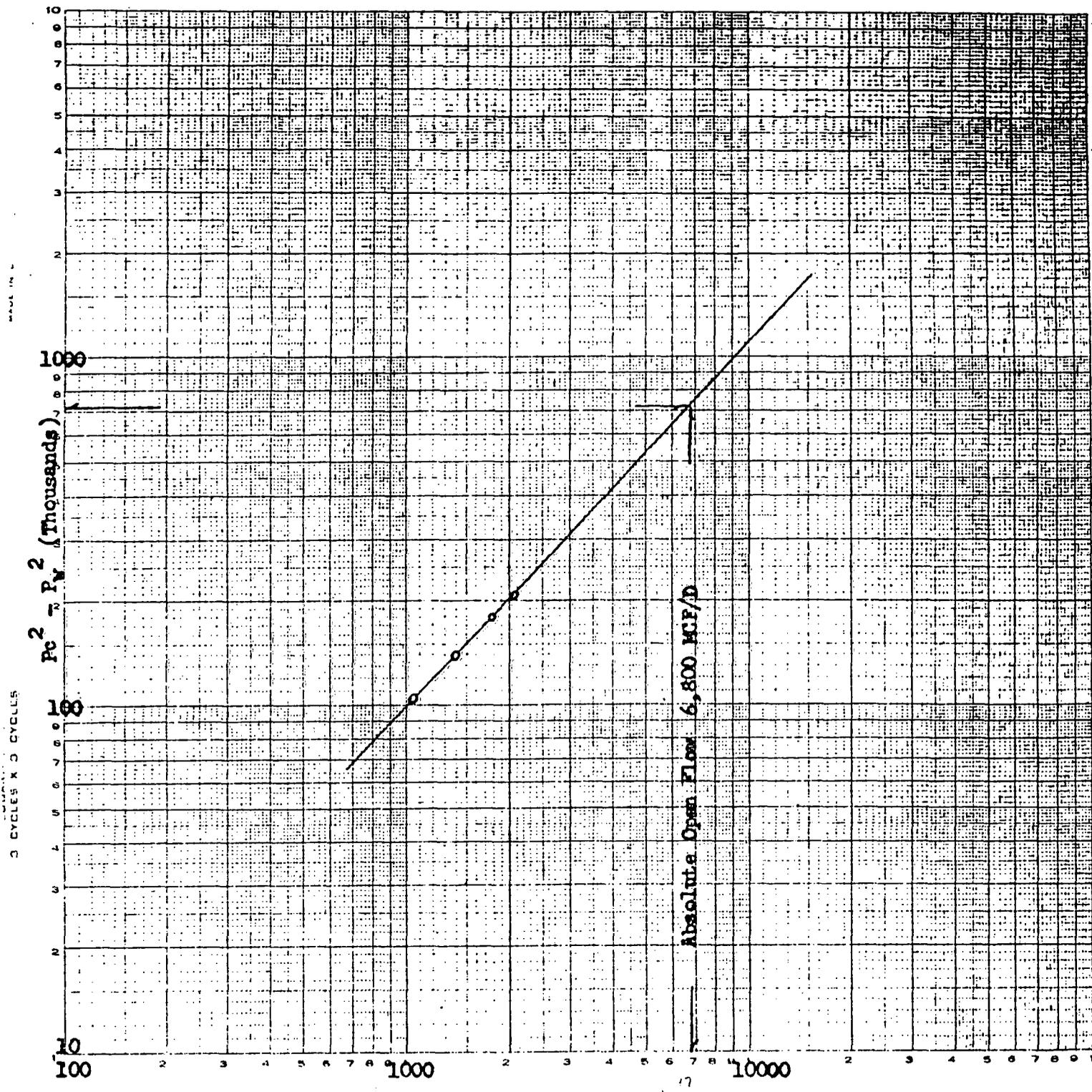
Tested Through (Prover) (Choke) (Meter) Type Taps Flange

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.	
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.		Press. psig
I						831		836	72
.	4"	1.250	761	14.44	66	763		774	24
.	4"	1.250	727	27.56	69	729		750	24
.	4"	1.250	681	49.00	70	685		723	24
.	4"	1.250	650	67.34	66	654		704	24

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15,025 psia
.	9.643	105.72		.913	.9127	1.027	1038
.	9.643	142.82		.915	.9127	1.022	1393
.	9.643	181.12					

SUN OIL COMPANY
 Record Unit Well No.1



Q in MCF/Day

DUPLICATE
[]

NEW MEXICO OIL CONSERVATION COMMISSION
BOX 2045
HOBBS, NEW MEXICO

DATE December 3, 1953

TO: Sun Oil Company
Box 2792, Odessa, Texas

GENTLEMEN:

Form C-104 for your H.S. Recrod Unit 1 22-22-36 Langmat
LEASE WELL S.T.R. POOL

has been approved, however, since this well is:

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

it will be necessary for you to;

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

Pending further Commission action this unit will be assigned an _____ acre
allowable.
Normal 160 Acre Unit

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

ALP/pb

cc/ Transporter El Paso Natural Gas Co.

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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

DEC 1 1953

OIL CONSERVATION COMMISSION
HOBES OFFICE

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

**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

Company or Operator Sun Oil Company Lease H. S. Record Unit

Address P. O. Box 2792, Odessa, Texas P. O. Box 2880, Dallas, Texas
(Local or Field Office) (Principal Place of Business)

Unit Flat 7, Well(s) No. 1, Sec. 22, T. 22S, R. 36E, Pool Langmat Gas

County Lea Kind of Lease Patented

If Oil well Location of Tanks.....

Authorized Transporter El Paso Natural Gas Company Address of Transporter

10th Floor Bassett Tower, El Paso, Texas 1901 National Standard Bldg., Houston, 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.....

REASON FOR FILING: (Please check proper box)

NEW WELL..... CHANGE IN OWNERSHIP.....

CHANGE IN TRANSPORTER..... OTHER (Explain under Remarks).....

REMARKS: In accordance with Rules and Regulations of the Oil Conservation Commission.

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

Executed this the 16th day of November 19 53

Approved DEC 3 1953, 19.....

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

By [Signature]
Title Manager Natural Gas Department

NEW MEXICO
OIL CONSERVATION COMMISS. N Gas Well Plat

Date November 16, 1953

Sun Oil Company

H. S. Record

1

Operator

Lease

Well No.

Name of Producing Formation Yates Pool Langmat Gas

No. Acres Dedicated to the Well 160

SECTION 22 TOWNSHIP 22S RANGE 36E

Sun Oil Co. ● 1		Sun Oil Co.	● 1
		160 Ac.	
			● 1
	● 2		

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

Name B. E. Warren
 Position Manager Natural Gas Dept.
 Representing Sun Oil Company
 Address Dallas, Texas

(over)

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
New Well
Recompletion
DEC 1 1953

REQUEST FOR ~~REVISION~~ (GAS) ALLOWABLE

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 oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Dallas, Texas

November 16, 1953

(Place)

(Date)

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

SUN OIL COMPANY - H. S. Record Unit, Well No. 1, in NE 1/4 NE 1/4,

(See Plat) // Sec. 22, T. 22S, R. 36E, NMPM, Langmat Gas Pool

Lea County. Date Spudded 8/3/48, Date Completed 8/22/48

Please indicate location:

				.1

Elevation... 3530 (Ground) Total Depth... 3490' P.B. ---

Top oil/gas pay... 3335' Top of Prod. Form... 3335'

Casing Perforations: Open Hole 3201/3490 or

Depth to Casing shoe of Prod. String... 3201

Natural Prod. Test... BOPD

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

Test after acid or shot... BOPD

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

Gas Well Potential... 9600 MCF

Size choke in inches...

Date first oil run to tanks or gas to Transmission system: 10/26/48

Transporter taking Oil or Gas: El Paso Natural Gas Company

Casing and Cementing Record

Size	Feet	Sax
13-3/8	60'6"	50
9-5/8	1594'1"	1000
5-1/2	3194'4"	800

Remarks:

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

Approved... November 16, 1953

SUN OIL COMPANY

(Company of Operator)

By: B. E. WARREN (Signature)

Title: Manager, Natural Gas Department
Send Communications regarding well to:

OIL CONSERVATION COMMISSION

By: S. J. Stanley
Title: Engineer District 1
DEC 3 1953

Name:
Address:

TRIPPLICATE

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
MAY 14 1951
OIL CONSERVATION COMMISSION
HOUSTON OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission. Indicate nature of report by checking below.

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

5-1-51 Date Box 2880, Dallas, Texas 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 Sum Oil Company H.S. Record Unit # 1 Well No. 1 in the NE Cor. E 1/2 of Sec. 22, T. 22S, R. 36E, N. M. P. M., South Dunce Field, Lea County.

The dates of this work were as follows: _____
Notice of intention to do the work was (was not) submitted on Form C-102 on _____ 19____ and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

24 hr. shut in pressure was 1107 PSIG on 4-3-51. Calculated abs. open flow was 7008 MCF on 4-3-51. Note: These tests were made by El Paso Natural Gas Co. Engineers.

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this _____ I hereby swear or affirm that the information given above is true and correct.

4th day of May 1951 Name _____

Annie Mae Hill Position Field Engineer

Ector Co., Texas Notary Public Representing Sum Oil Company

ANNIE MAE HILL Company or Operator

My commission expires June 1, 1951 Address Box 2792, Odessa, Texas

Remarks:

cc: NMCCC, RLI, Gas Dept., **APPROVED**

Date MAY 14 1951

Roy Yarbrough
Name _____
Oil & Gas Inspector
Title _____

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED

MAY - 7 1951

OIL CONSERVATION COMMISSION
HOUSTON OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission. Indicate nature of report by checking below.

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

5-4-51

Box 2880, Dallas, Texas

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 _____
Sun Oil Company H.S. Record Unit Well No. 1 in the _____
 Company or Operator Lease
NE Cor. E 4 of Sec. 22, T. 22S, R. 36E, N. M. P. M.,
South Emica Field, Lea County.

The dates of this work were as follows: _____

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

24 hr. shut in pressure was 1107 PSIG on 4-3-51. Calculated abs. open flow was
 7008 MCF on 4-3-51. Note: These tests were made by El Paso Natural Gas Co. Engineers.

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this _____
4th day of May 19 51

Ector Co., Texas Notary Public
 My commission expires June 1, 1951

I hereby swear or affirm that the information given above is true and correct.
 Name _____
 Position Field Engineer
 Representing Sun Oil Company
 Company or Operator
 Address Box 2792, Odessa, Texas

Remarks:

cc: MOCC, RLI, Gas Dept., JEH

APPROVED
 MAY - 7 1951
 Date _____

 Oil & Gas Inspector
 Title

Form C-103
TRIPPLICATE

OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

Miscellaneous Reports on Wells

RECEIVED
SEP 21 1950
OIL CONSERVATION COMMISSION
HOBBBS-OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut 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		Gas Well Report	X

9-12-50

Box 2880, Dallas, Texas

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.....

Sun Oil Company

H. S. Record Unit

Well No. 1

in the.....

Company or Operator

Lease

NE Cor. E 1/2

of Sec. 22

T. 22 S

R. 36 E

N. M. P. M.,

South Eunice

Field Lea

County.

The dates of this work were as follows:.....

Notice of intention to do the work was (was not) submitted on Form C-102 on..... 19.....

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

24 hr. shut in was 1153 # abs. on 8-28-50

Calculated abs. open flow was 7400 MCF on 8-28-50

Note: These tests were made by El Paso Ntl. Gas Co. Engineers

Witnessed by.....
Name Company Title

Subscribed and sworn before me this.....

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

12th day of September, 19 50.

Name.....

Laura Lee
Notary Public

Position District Engineer

Representing Sun Oil Company
Company of Operator

My commission expires 6-1-51

Address Box 1861, Midland, Texas

Remarks:

SEP 20 1950

Ray Yarbrough
Name
Oil & Gas Inspector
Title

DUPLICATE OF CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

RECEIVED
MAY - 2 1950
HOBBES OFFICE

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		Gas Well Report	X

4-27-50

Box 2880, Dallas 1, Texas

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

Sun Oil Company

H. S. Record Unit #1

Well No. **1**

in the

Company or Operator

Lease

NE/Cor., N/2

of Sec. **22**

T. **22 S**

R. **36 E**

N. M. P. M.,

South Eunice

Field

Lea

County.

The dates of this work were as follows:

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

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

24 hour shut-in T.P. was 1139# gauge on 4-10-50.
Calculated absolute open flow was 11,750 M.C.F. on 3-29-50.

NOTE:

These tests were made by El Paso Natural Gas Company engineers.

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this _____

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

27th day of **April**, 19**50**

Name **C. R. Webb**

Laura Selby
LAURA SELBY
Notary Public

Position **District Engineer**

Representing **Sun Oil Company**
Company or Operator

My commission expires **6-1-51**

Address **Box 1861, Midland, Texas**

Remarks:

APPROVED

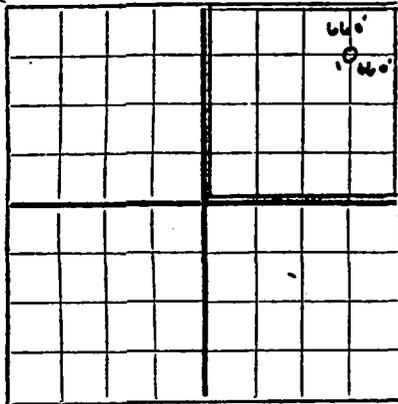
Date _____

Roy Gedraugh
Name
Oil Conservation Commission
Title

DUPLICATE
FORM C-105

RECEIVED
AUG 31 1948
HOBBBS OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



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.**

SUN OIL COMPANY

Box 2880, Dallas 1, Texas.

Company or Operator

Address

H. S. Record Unit Well No. 1 in NE/4 of Sec. 22, T. 22S

Lease

R. 36E, N. M. P. M.S. Eunice Field, Lea County.

Well is 660 feet south of the North line and 660 feet west of the East line of NE/4 of Sec. 22

If State land the oil and gas lease is No. - Assignment No. -

If patented land the owner is H. S. Record Address Monument, New Mexico

If Government land the permittee is - Address -

The Lessee is Sun Oil Company Address Box 2880, Dallas, Texas

Drilling commenced 8/3/1948 Drilling was completed 8/15/48

Name of drilling contractor Noble Drilling Company Address 209 Stanolind Bldg., Tulsa 3, Oklahoma.

Elevation above sea level at top of casing 3530 feet.

The information given is to be kept confidential until 19 -

OIL SANDS OR ZONES

No. 1, from 3205 to 3265 No. 4, from - to -
No. 2, from 3265 to 3490 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 100 to 135 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 (in hole)	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
13-3/8	48	8-R	J&L H-40	60.50	Larkin				Conductor Casg
9-5/8"	32.30	8-R	Natl H-40	1594.05	Baker Guide				Surf casg
			H-40		Shoe & FC				
5-1/2"	14	8-R	Pitts H-40	3194.31	Larkin Guide	(open hole)			Oil string
					Shoe & FC				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET (Seat)	NO. BAGS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	13-3/8"	59.45	50	Halliburton	Wt. 9.1-Visc 30	-
12 1/2"	9-5/8"	1605.95	1000	"	Wt. 9.9-Visc 32	-
7-7/8"	5 1/2"	3200.51	800	"	Wt. 11 - Visc 38	-

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
		N O N E				

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 Surface feet to 3490 feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing 8/22/48, 19.....
 The production of the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, Be.....
 If gas well, cu. ft. per 24 hours. 2" chk - 3,060,000CF
1" chk - 1,475,000CF gallons gasoline per 1,000 cu. ft. of gas.....
 Rock pressure, lbs. per sq. in. BHP 1275#.

EMPLOYEES

J. J. Stewart Driller W. L. Garrett Driller
Doyle R. Roberts Driller

FORMATION RECORD ON OTHER SIDE

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

Subscribed and sworn to before me this 31st day of August, 1948
Annie Mae Hill
 Notary Public
 My Commission expires June 1, 1949

Odessa, Tex 8/31/48
 Place Date
 Name W. D. Albright
 Position Supt.
 Representing Sun Oil Company
 Company or Operator
 Address Box 2792, Odessa, Tex

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	41	41	Cal & sd
41	70	29	Cal & sd
70	127	57	Red bed
127	530	403	Red bed & sh
530	890	360	Shells, sh & red bed
890	1124	234	Red bed & sh
1124	1159	35	Red bed & sh
1159	1285	126	Red bed
1285	1408	123	Red bed & anhy
1408	1579	171	Red bed, gyp & anhy
1579	1610	31	Anhy
1610	1929	319	Anhy
1929	2060	131	Anhy
2060	2417	357	Anhy & salt
2417	2569	152	Anhy & salt
2569	2765	196	Anhy & salt
2765	2885	120	Anhy
2885	2973	88	Salt
2973	3049	76	Anhy & salt
3049	3129	80	Anhy
3129	3187	58	Anhy & lime
3187	3490	303	Lime - TD

PLICATE

DRILL STEM TESTS:

DST #1 - 3205/3265, 5/8"xl" ohks, 45 mins., gas to surface in 6 mins., slight blow of air, REC: 30' mud, BHPO 0#, BHPC 0#, MW 1800#.

DST #2 - 3265/3490, 5/8"xl" ohks, 45 mins., gas to surface in 4 mins., mud to surface in 7 mins., tool closed 15 mins. for build up, REC: 100' gas cut drlg fluid, BHPO 975/850#, BHPC 1275#, MW 2000#.

STRAIGHT-HOLE TESTS:

<u>NO. DEGREES OFF VERTICAL:</u>		<u>DEPTH:</u>
1	-	300'
1/2	-	700'
1/2	-	1000'
3/4	-	1250'
1/4	-	1570'
0	-	1700'
3/4	-	1950'
3/4	-	2010'
1	-	2200'
3/4	-	2350'
2 1/4	-	2550'
2 1/4	-	2710'
2 1/4	-	2775'
2	-	2885'
2	-	2950'
2	-	3075'
2	-	3160'
1-3/4	-	3260'
1-3/4	-	3375'
1-3/4	-	3475'

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
AUG 23 1948
HOBB'S OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

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

8/20/48

Date

Odessa, Texas

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 _____

Sm Oil Co.

Company or Operator

H.S. Record Unit

Lease

Well No. 1

in the _____

NE 1/4 of NE 1/4

of Sec. 22

T. 22S

R. 36M

N. M. P. M.,

S. Emice

Field, Lea

County.

The dates of this work were as follows: 8/19/48

Notice of intention to do the work was (was not) submitted on Form C-102 on 8/17 19 48

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 3200' of 5 1/2" OD 1 1/4 H-40 casing 1000# thirty minutes O.K.

Witnessed by E.L. Kowalski

Name

Sm Oil Co.

Company

Foreman

Title

Subscribed and sworn before me this _____

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

20th day of August, 1948

Name

N.J. Keith

MARIE LIVINGSTON

Marie Livingston

Position

Foreman

Notary Public

Representing

Sm Oil Co.

Company or Operator

My commission expires June, 1949

Address

Box 2792, Odessa, Tex.

Remarks:

APPROVED

Date AUG 23 1948

Roy [Signature]

Name

OIL & GAS INSPECTOR

Title

FILED
AUG 27 1948
H. C. S. S. F. I. O.

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 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			

Odessa, Tex.

8/17/48

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 _____
Sun Oil Co. H. S. Record Unit Well No. 1 in ne/4 of ne/4
Company or Operator Lease
of Sec. 22, T. 22S, R. 36E, N. M. P. M., S. Eunice Field.
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION
Cemented 3200' of 5 1/2" OD 14# H-40 casing in lime formation w/800 sack of
common cement-job completed 12:40 PM 8/16/48-will test for shutoff
12:40 PM 8/18/48-centralizers @ 3121-3181.

AUG 20 1948

SUN OIL COMPANY

Written Parsons
Send communications regarding well to

Name SUN OIL CO.

Address Box 2792, Odessa, Tex.

OIL CONSERVATION COMMISSION

By [Signature]
Title [Signature]

DUPLICATE

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
AUG 16 1948
HUBBARD OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

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

8-9-48

H.S. Record Unit #1

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

Sun Oil H. S. Record Unit Well No. 1 in the
Company or Operator Lease
NE 1/4 of NE 1/4 of Sec. 22, T. 22S, R. 36E, N. M. P. M.,
South Eunice Field, Lea County.

The dates of this work were as follows: 8/9/48

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on 8-7-48 19

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 9 5/8" OD 32.30 SR Thd Surface casing, seat 1606', 1000# thirty minutes, tested o.k. Cemented with 1000 Sacks instead of 100 sacks as reported on Form C-102. Cement circulated.

Witnessed by E. L. Kowalski Sun Oil Company Foreman
Name Company Title

Subscribed and sworn before me this 9th

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

day of August, 1948

Name N.J. Keith

Position Foreman

Annie Mae Hill
Ector County, Tex. Notary Public

Representing Sun Oil
Company or Operator

ANNIE MAE HILL

My commission expires June 1, 1949

Address Box 2792, Odessa, Texas

Remarks:

APPROVED

Date AUG 16 1948

Roy Garbrosch
Name
OIL & GAS INSPECTOR
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 its agent, of the plan submitted. The plan approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

RECEIVED
AUG 10 1948
HOBBS OFFICE

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"/>		

H. S. Record Unit #1
Place

8/7/48
Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

Sun Oil Company H. S. Record Unit Well No. 1 in NE/4 of NE/4
Company or Operator Lease

of Sec. 22 T. 22S R. 36E N. M. P. M., South Eunice Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Ran & cemented 1594' of 9 5/8" H-40 32.30# 8R Thd Casing w/100 sacks common cement,
job completed 11:45 p.m. 8/6/48. Will start nippling up 11:45 a.m. 8/8/48 and test to
minimum of 1000# 11:45 p.m. 8/8/48

AUG 10 1948 19

Approved _____
except as follows:

Sun Oil Company
Company or Operator
By N. J. Keith

Position Foreman

Send communications regarding well to

Name Sun Oil Company

Address Box 3800 2792

Odessa, Texas

OIL CONSERVATION COMMISSION,
By Roy Yarbrough
Title OIL & GAS INSPECTOR

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
AUG 9 1948

TRIPPLICATE

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

August 4, 1948

Odessa, Texas

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 _____
Sun Oil Company H.S. Record Unit Well No. 1 in the _____
Company or Operator Lease
NE/4 of NE/4 of Sec. 22, T. 22 S, R. 36E, N. M. P. M.,
South Eunice Field, Lea County.

The dates of this work were as follows: August 3, 1948

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

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Above well spudded 8/3/48; ground elevation 3530' - est. DF elevation 3539' - est.
RDB elevation 3540' - set 59' of 13 3/8" OD conductor pipe 8/3/48

Witnessed by E. L. Kowmalar Sun Oil foreman
Name Company Title

Subscribed and sworn before me this _____
4th day of August, 19 48

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

Annie Mae Hee
Ector County, Texas Notary Public
ANNIE MAE HEE

Name N. J. Keith
Position Foreman
Representing Sun Oil Company
Company or Operator

My commission expires June 1, 1949

Address Box 2792, Odessa, Texas

Remarks:

APPROVED

Date Aug 9 1948

Roy Gumbro
Name
OIL & GAS INSPECTOR
Title

NOTICE OF INTENTION TO DRILL

RECEIVED
JUL 28 1948
HOBBS OFFICE

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

Dallas, Texas

July 23, 1948

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 Sun Oil Company H. S. Record Unit Well No. 1 in NE/4

Company or Operator South Eunice Lease 368 Field, Lea County, N. M. P. M.

of Sec. 22 T. 22S R. 36E The well is 660 feet ~~XXX~~ [S.] of the North line and 660 feet

660 [W.] of the East line of NE/4 of Sec. 22

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

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

If patented land the owner is H. S. Record

Address Monument, New Mexico.

If government land the permittee is _____

Address _____

The lessee is _____

Address _____

AREA 640 ACRES
LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows: _____
Rotary from top to bottom

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: \$10,000. Blanket Bond filed with State Land Office

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
17-1/4	13-3/8	65#	New	30	Cemented	20
12-1/4	9-5/8"	36#	New	1600	Cemented	900
8-3/4	5-1/2"	14#	New	3200	Cemented	800

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 3700 feet.

Additional information:

Approved JUL 31 1948 19 _____
except as follows:

Sincerely yours,

SUN OIL COMPANY
Company or Operator

By [Signature]

Position Superintendent

Send communication regarding well to

Name Mr. J. A. Ritter

Address c/o Sun Oil Company, Dallas, Texas.

OIL CONSERVATION COMMISSION,
By N. M. Sweeney
Title Engineer