

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

I.

Operator Doyle Hartman Well Name and No. Ellen Weir No. 1
Location: Unit M Sec. 2 Twp. 20-S Rng. 37-E Cty. Lea

II.

THE DIVISION FINDS:

- (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.
- (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.
- (3) That the well for which a finding is sought is completed in the Eumont Gas Pool, and the standard spacing unit in said pool is 640 acres.
- (4) That a 120-acre proration unit comprising the W/2 SW/4 and SE/4 SW/4 of Sec. 3, Twp. 20S, Rng. 37-E, is currently dedicated to the Tenneco Oil Co. Ellen Weir Gas Com. 1 located in Unit L of said section, and recently plugged.
- (5) That this proration unit is () standard ☒ nonstandard; if nonstandard, said unit was previously approved by Order No. NSP-1272.
- (6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.
- (7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 155,600 MCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.
- (9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.

IT IS THEREFORE ORDERED:

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

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

DONE at Santa Fe, New Mexico, on this 18th day of February, 19 82.


DIVISION DIRECTOR

EXAMINER

INFILL DRILLING FINDINGS PURSUANT TO
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COMMISSION REGULATIONS, NATURAL GAS POLICY ACT OF 1978
AND OIL CONSERVATION DIVISION ORDER NO. R-6013-A

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- (6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.
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- (8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.
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- (2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on this 18th day of February, 19 82.


DIVISION DIRECTOR

EXAMINER

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

January 6, 1982

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

Attention: Mr. R. L. Stamets

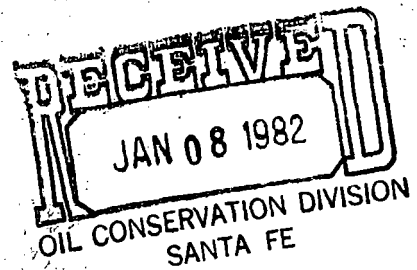
Re: Administrative Procedure
Infill Finding
Ellen Weir No. 1
S/2 SW/4 and NW/4 SW/4
Section 3, T-20-S, R-37-E
Lea County, New Mexico

Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, we hereby request an infill finding (NFL) for the above captioned Ellen Weir No. 1 located 660 FSL & 330 FWL Section 3, T-20-S, R-37-E, Lea County, New Mexico.

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

- Rule 5 A copy of approved Form C-101 for the infill well and Form C-102 ✓ showing the proration unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled is Eumont Pool, and the standard spacing unit therefor is 640 acres.
- Rule 7 The number of the Division order approving the non-standard proration unit dedicated to the well is NSP-1272.
- Rule-8 Table 1 attached to William P. Aycock's letter dated December 31, 1981, shows the following:
- a. lease name and well location;
 - b. spud date;
 - c. completion date;



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

Rule 9 Letter dated December 31, 1981, from William P. Aycock submits geological and engineering information sufficient to support a finding as to the necessity for an infill including:

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

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

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

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

Very truly yours,

DOYLE HARTMAN

Michelle Hembree

Michelle Hembree
Administrative Assistant

/mh

Enclosures as above

WILLIAM P. AYCOCK & ASSOCIATES, INC.

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

December 31, 1981

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

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

Subject: Administrative Application for
Infill Well Finding for
Doyle Hartman's Weir No. 1 Well,
Section 3, Twp. 20S, Range 37E,
@ 660' FSL and 330' FWL,
Eumont (Gas) Pool
Lea County, New Mexico

Gentlemen:

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

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

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

Rule 7: The non-standard proration unit and unorthodox well location were approved administratively by Order NSP-1272, a copy of which is attached hereto.

Rule 8: See attached Table No. 1, "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A" for requirements of sections "a." through "f.". Also required by section "g." is "a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Eumont (Gas) Pool well to which 160 acres were assigned that included the present 120-acre non-standard location was the Tenneco Oil Co. Ellen Weir Gas Com. 1; this well was last produced in May 1980, with an accumulative gas production of 2126 MMCF. Since May 1980 and prior to the drilling and completion of the infill Doyle Hartman Ellen Weir No. 1, there was no gas production from the proration

unit assigned to the infill well from the Eumont (Gas) Pool. Accordingly, any gas reserves that would have been recoverable after May 1980 beneath the 120-acre proration unit would not have been produced unless an infill well had been drilled.

Rule 9:

Sec. a. Requires that a formation structure map be submitted; attached is the Penrose formation structure map that was submitted to the Division during Case No. 7421 on November 19, 1981.

Sec. b. Requires that the "volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined" be submitted. The estimated ultimate gas recovery for the Doyle Hartman Ellen Weir No. 1 is 156 MMCF. Since there is no gas to be recovered from the proration unit assigned to this infill well other than this anticipated MMCF, the increased ultimate recovery is 156 MMCF. The estimate of increased recovery for the Doyle Hartman Ellen Weir No. 1 was accomplished as follows:

(1) Well logs for the Hartman Ellen Weir No. 1 were analyzed, resulting in the following:

Mean Porosity, Fcn. of Bulk Vol.	0.0844
Mean Connate Water Saturation, Fcn of Net Effective Pore Volume	0.39
Net Effective Pay Thickness, Feet	25.

Since the gross pay thickness constituting potential gas reservoir for the Ellen Weir No. 1 is 46 feet, the above represents a net effective pay to gross pay ratio of approximately 54 percent.

(2) The production test for the Ellen Weir No. 1 performed on December 29, 1981, was analyzed, resulting in the following:

Stabilized Deliverability Coef- ficient, MCF/day per psia ²	0.0036264
Initial Stabilized Wellhead Shut-in Pressure (Pc), psia	413.2
Initial Gas Formation Volume Factor scf/rcf	29.34

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

Original Gas-in-Place

MMCF/Acre	1.640
MCF/120 Acres	196.8
Estimated Gas Recovery Factor, Fcn. of Original Gas-in-Place	0.791
Estimated Ultimate Recovery, MMCF per 120 Acres	155.6

Sec. c. Other supporting data submitted include the following, some of which were incorporated into exhibits which were presented on November 19, 1981, Case 7421:

Cross-Sections A-A' and B-B'

Gas Production History Tabulation and Graph for Tenneco Oil Co. Ellen Weir Gas Com. No. 1 (the pre-existing well)

Complete N.M.O.C.D. Forms on file for both the pre-existing Tenneco Oil Co. Ellen Weir Gas Com. No. 1 and the Infill Hartman Ellen Weir No. 1

New Mexico Oil Conservation Division Order
No. NSP-1272

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

Very truly yours,


Wm. P. Aycock, P.E.

WPA/bw

Attachments

TABLE NO. 1

SUMMARY OF REQUIRED INFORMATION, RULE 8, EXHIBIT "A", ORDER R-6013-A,
(SECTIONS "a." THROUGH "f.")

NATURAL GAS POLICY ACT INFILL FINDINGS, ADMINISTRATIVE PROCEDURE

<u>SECTION OF RULE 8</u>	<u>RULE 8 REQUIREMENT</u>	<u>PRE-EXISTING WELL TENNECO OIL CO., OPERATOR</u>	<u>INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR</u>
a.	Lease Name and Well Location	Ellen Weir Gas Com. No. 1	Ellen Weir No. 1 660' FSL & 330' FWL
b.	Spud Date	April 18, 1942	December 3, 1981
c.	Completion Date	May 12, 1942, in Grayburg	December 23, 1981
d.	Mechanical Problems	None; PB to Eumont 6-30-54	None
e.	Current Rate of Production	None: Last Produced @ 16 MCF/day in May 1980	C-105: 154 MCF/day
f.	Date of Plug and Abandonment	C-103 of Intention to P&A dated July 1, 1981, approved by Hobbs District July 6, 1981. Well actually plugged and abandoned November 26, 1981	Not Plugged

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CONTACT
FILE
ADDRESS
AND OFFICE
OPERATOR

MEXICO OIL CONSERVATION COMMISSION

30-025-27660

Form 101
Rev. 1-1-65

5A. Indicate Type of Lease
STATE ☐ ☒ ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Name of Lessee
Ellen Weir
9. Well No.
1
10. Field and Locality of Well
Eumont (Gas)
11. County
Lea

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 ☐
Doyle Hartman
Address of Operator
P. O. Box 10426 Midland, Texas 79702
Location of Well
UNIT LETTER M LOCATED 660 FEET FROM THE South LINE
330 West 3 20S 37E

19. Proposed Depth 4100
20A. Formation Queen (Penrose)
20B. Type of Well Rotary
21. Estimated Production (G.L.) 3549.7 G.L.
21A. Estimated Production (Barrel) Multi-Approved
21B. Drilling Contractor Kenai
22. Approval Date November 27, 1981

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	9 5/8	40.5	400	300	Surface
8 3/4	7	23.0	4100	750	Surface

The proposed well will be drilled to a total depth of 4100 feet and will be completed as a Eumont (Queen) Gas producer. From the base of the surface pipe through the running of the production casing, the well will be equipped with a 3000-psi double ram BOP system.

Note: Presently negotiating contract with El Paso Natural Gas for Eumont gas.

RECEIVED
JAN 08 1982
OIL CONSERVATION DIVISION
SANTA FE

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 6/2/82
UNLESS DRILLING UNDERWAY

APPROVE: (If drilling is to be deepened or plugged back, give data on present productive zone and proposed new production zone.)

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

By Harry G. Manning Title Engineer Date November 23, 1981

(This space for State Use)

APPROVED BY [Signature] TITLE [Signature]
EDITIONS OF APPROVAL, IF ANY

DEC 16 1981

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

Form O-10,
Superseded 6-12-80
Effective 1-1-85

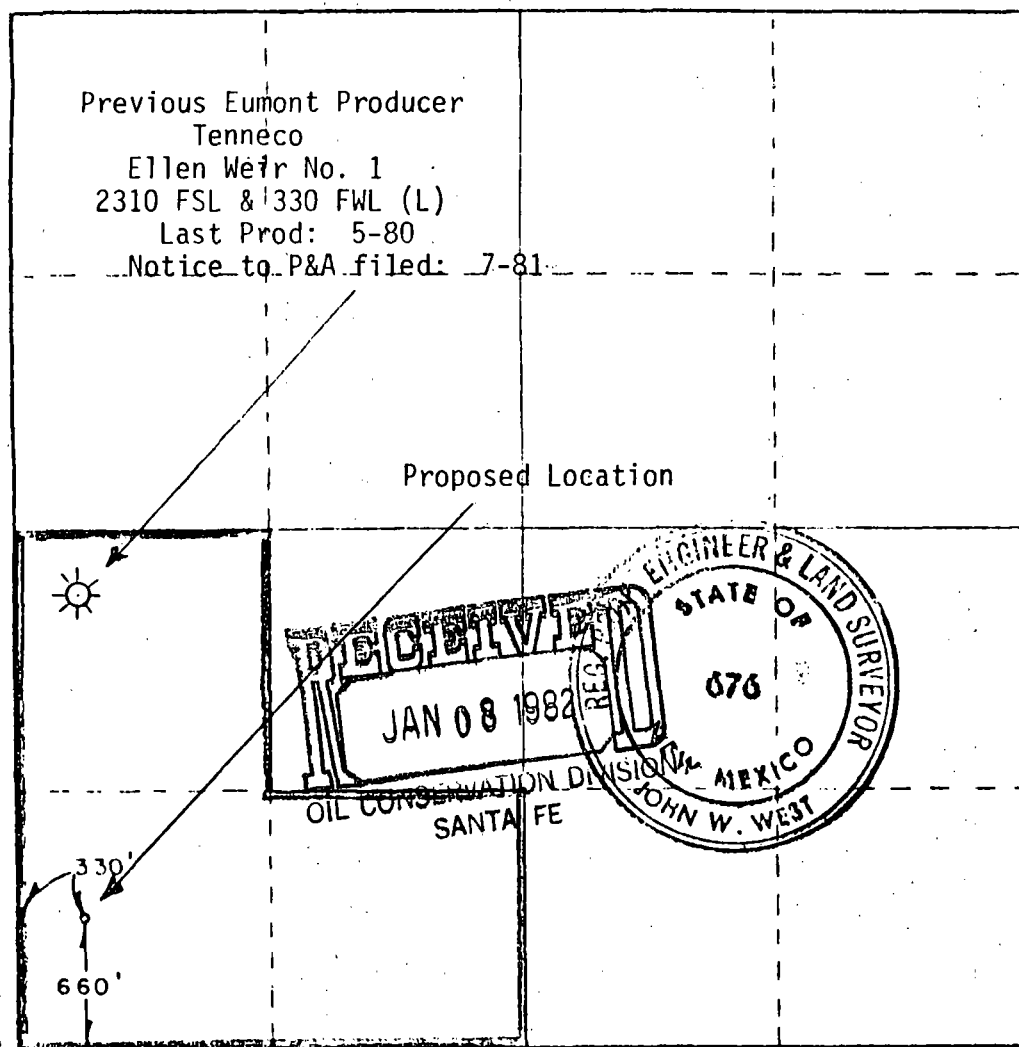
All distances must be from the outer boundaries of the Section

Doyle Hartman			Lease			ELLEN WEIR			Well No. 1		
Section	3	Township	20 South		Range	37 East		County	Lea		
Actual True Location of Well: 660 feet from the South line and 330 feet from the West line Section Elevation: 3549.7 Enclosing Formation: QUEEN (PENROSE) Pool: EUMONT (GAS) Depth: 120 Area:											

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). Ownership shown on back of this page.
- 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? This application was subject to
OCD hearing No. 7421
☒ 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: *Lang G. Nunez*

Occupation: Engineer

Client: Doyle Hartman

Date: November 23, 1981

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

Date Surveyed: 10/16/81

Registered Professional Engineer and Land Surveyor

John W. West
Certificate to: JOHN W. WEST 676
PATRICK A. ROMERO 688
Ronald J. Edgson 3239



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

November 18, 1981

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

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

Administrative Order NSP-1272

Gentlemen:

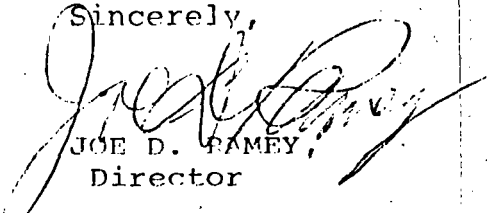
Reference is made to your application for a 120-acre non-standard proration unit consisting of the following acreage in the Fumont Gas Pool:

LEA COUNTY, NEW MEXICO
TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 3: S/2 SW/4 and NW/4 SW/4

It is my understanding that this unit is to be dedicated to your Ellen Weir Well No. 1 located at an unorthodox location 660 feet from the South line and 330 feet from the West line of said Section 3.

By authority granted me under the provisions of Rule 104 D II, the above non-standard proration unit is hereby approved.

Sincerely,


JOE D. RAMEY
Director

JDR/ELS/dr

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

30

GAS PRODUCTION HISTORY

Date 7-21-80

Page 1 of 1

Operator: Tenneco Oil Co.

Well: Ellen Weir Gas Com. No. 1

Location: L-3-20-37

Pool: Eumont (Gas)

Spud Date: _____ Original Completion Date: _____

Completion Interval (Gas): _____

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

Remarks: _____

Year	No. of Mos.	Annual Gas Production (MCF)	Avg. Gas Rate (MCF/mo.)	Cum. Gas Production (MMCF)	Annual SIP (psia)	P/Z
1980	5	3534	707	2125.5	N/A	N/A
1979	11	16858	1533	2122.0	73.2	75
1978	12	44051	3671	2105.1	N/A	N/A
1977	12	28059	2338	2061.1	209.2	220
1976	12	31961	2663	2033.0	189.2	195
1975	6	17567	2928	2001.1	238.2	245
1974	12	77962	6497	1983.5	243.2	255
1973	12	90451	7538	1905.5	274.8	285
1972	12	107587	8966	1815.1	280.6	290
1971	12	124076	10340	1707.5	295.7	310
1970	11	122646	11150	1583.4	340.0	360
1969	8	108800	13600	1460.8	375.5	400
1968	11	126422	11493	1352.0	516.4	565
1967	12	71593	5966	1225.6	N/A	N/A
1966	12	75299	6275	1154.0	N/A	N/A
1965	12	97532	8128	1078.7	480.7	520
1964	12	82650	6887	981.1	545.0	600
1963	12	89879	7490	898.5	672.5	760
1962	12	94704	7892	808.6	693.2	785
1961	12	69495	5791	713.9	N/A	N/A

19 79 Detail Summary

Jan.	2920	July	941
Feb.	1750	Aug.	279
March	3223	Sept.	740
April	2346	Oct.	-0-
May	1993	Nov.	791
June	1060	Dec.	815

19 80 Detail Summary

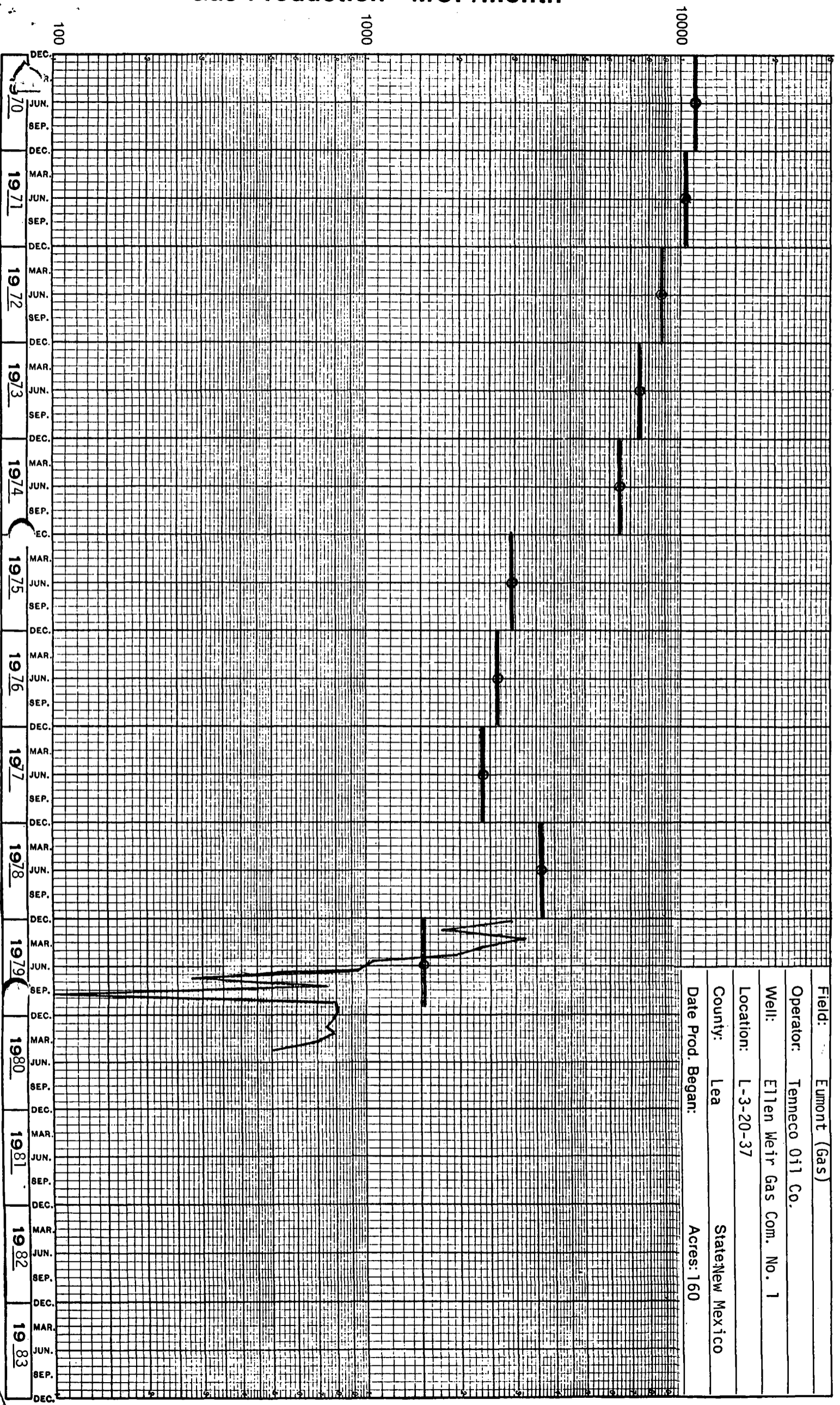
Jan.	796	July	
Feb.	756	Aug.	
March	792	Sept.	
April	682	Oct.	
May	508	Nov.	
June		Dec.	

Production (Y-T-D) 3534 MCF

Avg. Rate (Y-T-D) 707 MCF/mo.

Days or Months (Y-T-D) 5 mos.

Gas Production - MCF/month

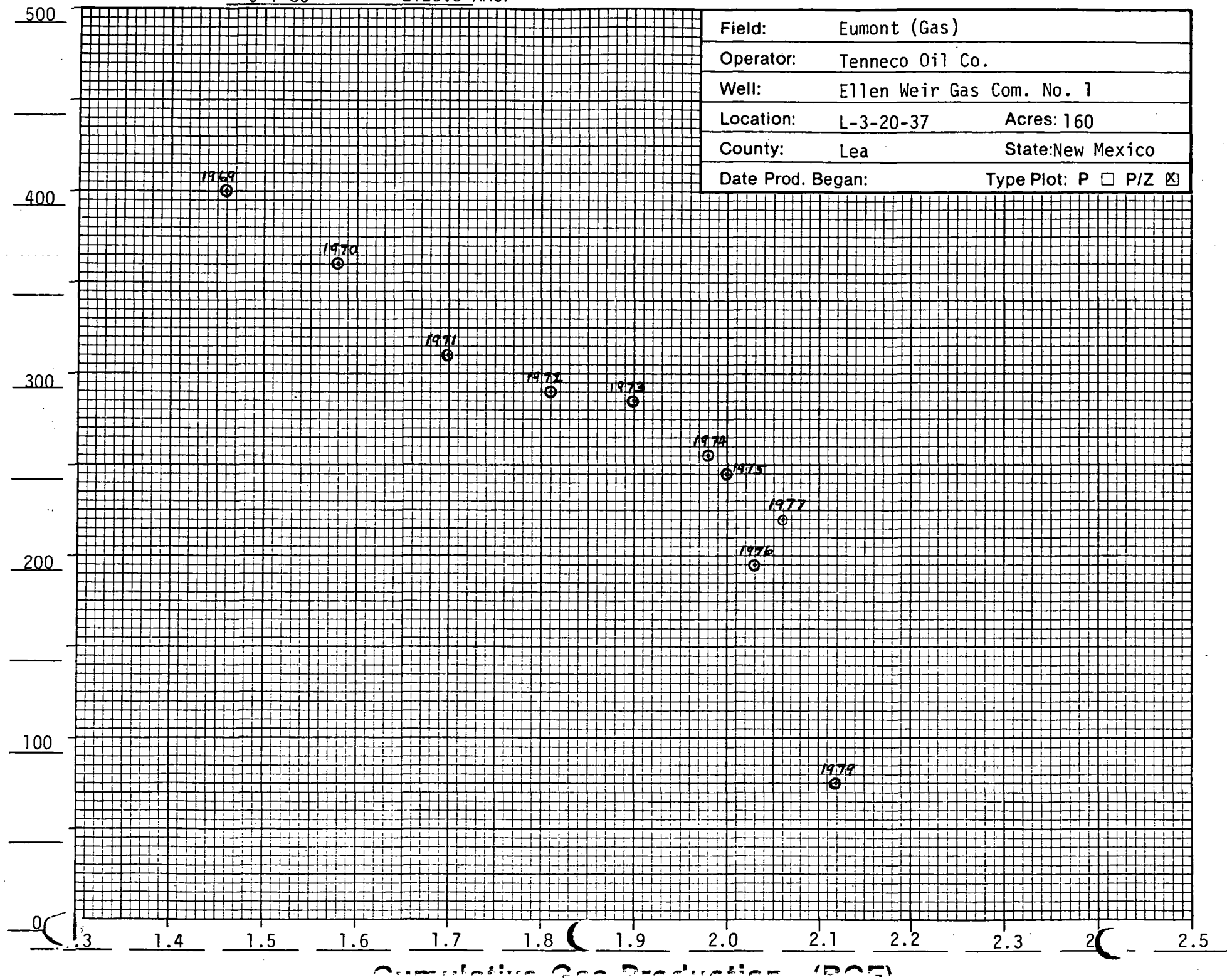


Field: Eumont (Gas)
Operator: Tenneco Oil Co.
Well: Ellen Weir Gas Com. No. 1
Location: L-3-20-37
County: Lea
State: New Mexico
Date Prod. Began: Acres: 160

6-1-80 CUM: 2125.5 MMCF

Field:	Eumont (Gas)		
Operator:	Tenneco Oil Co.		
Well:	Ellen Weir Gas Com. No. 1		
Location:	L-3-20-37	Acres:	160
County:	Lea	State:	New Mexico
Date Prod. Began:	Type Plot: P <input type="checkbox"/> P/Z <input checked="" type="checkbox"/>		

Pressure or P/Z - (psia)



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-

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FILE	
U.S.S.	
LAND OFFICE	
OPERATOR	

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Tenneco Oil Company	8. Firm or Lease Name Ellen Weir Gas Com
3. Address of Operator 6800 Park Ten Blvd; San Antonio, Texas 78213	9. Well No. 1
4. Location of Well UNIT LETTER <u>L</u> <u>2310</u> FEET FROM THE <u>South</u> LINE AND <u>330</u> FEET FROM THE <u>West</u> LINE, SECTION <u>3</u> TOWNSHIP <u>20S</u> RANGE <u>37E</u> NMPM.	10. Field and Pool, or Wildcat Eumont Queen Gas
11. Elevation (Show whether DF, RT, GR, etc.) 3551' GR	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 checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

12. 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. RUPU. NUBOP.
2. Pumped 35 sacks of cement at bottom and W.O.C. 4 Hours. TIH with tubing but could not contact cement.
3. Set CIBP at 3300'. Pumped 20 sacks class "C" cement for 210' plug from 3300' to 3090'.
4. POOH to 2600' and pumped 35 sacks cement for 245' plug from 2600' to 2355'.
5. Perforated over one foot with 4 shots at 305'.
6. Pumped 125 sacks cement down 5 1/2" casing and showed approx. 3 bbs. returned to pit.
7. Installed dead man, filled pit, transported tank off lease. Cleared well site.

NOTE: 9 1/2" mud between plugs.

P/A 10/26/81

DEC 4 8 1981

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

SIGNED Quita Gray TITLE Production Analyst DATE 12/4/81

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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FE		
OFFICE		
ATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

LL ☐ GAS WELL ☒ OTHER ☐

Operator
Tenneco Oil Company

Address of Operator
6800 Park Ten Blvd., Suite 200 N, San Antonio, Texas 78213

Location of Well
IT LETTER L 2310 FEET FROM THE South LINE AND 330 FEET FROM West LINE, SECTION 3 TOWNSHIP 20 RANGE 37 NMPM.

7. Unit Agreement Name

8. Farm or Lease Name
Ellen Weir Gas Com.

9. Well No.
1

10. Field and Pool, or Wildcat
Eumont Queen Gas

15. Elevation (Show whether DF, RT, GR, etc.)
3551' GR

12. County
Lea

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

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

1. RUPU. NUBOP.
2. Pull tubing and packer.
3. TIH with bit and scraper and clean out hole to PBTD at 3455'. POOH.
4. Run tubing open ended and spot cement plugs as follows:
 - a) 95' Class "C" cement from 3455' to 3360' to plug top of Queen.
 - b) Set CIBP at 2600'. Spot 50' of Class "C" cement from 2600' to 2550' to isolate the Yates.
 - c) Spot 305' of Class "C" cement from 50' below the 10-3/4" - IF 5 1/2" WAS NOT B/C. PLUG MUST BE ON BOTH INSIDE & OUTSIDE OF 5 1/2"
 - d) 9.5 ppg KCL water will be left between all plugs.
5. Erect P&A marker to extend at least 4' above ground.
6. RDPU.
7. Clean location and cut off mast anchors.

NMOED REQUIRES
SALT MUD AS ABANDONMENT
FLUID.

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

Robert A. Mattie TITLE PROJECT PRODUCTION ENGINEER DATE JULY 1, 1981

APPROVED BY SUPERVISOR DISTRICT 8 DATE JUL 6 1981
CONDITIONS OF APPROVAL, IF ANY

NO. OF COPIES RECEIVED		
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FILE		
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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator TENNECO OIL COMPANY		8. Farm or Lease Name Ellen Weir Gas Com.
3. Address of Operator 6800 Park Ten Blvd., Suite 200 N., San Antonio, Texas 78213		9. Well No. 1
4. Location of Well UNIT LETTER <u>L</u> <u>2310</u> FEET FROM THE <u>South</u> LINE AND <u>330</u> FEET FROM THE <u>West</u> LINE, SECTION <u>3</u> TOWNSHIP <u>20</u> RANGE <u>37</u> N.M.P.M.		10. Field and Pool, or Wildcat Eumont Queen Gas
15. Elevation (Show whether DF, RT, GR, etc.) 3551' GR		12. County Lea

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

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

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.

5-29-80 Well shut-in. Waiting on recommendation for final disposition.

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

SIGNED Mary Hall TITLE Production Analyst DATE 7-14-80

APPROVED BY John Kuryan TITLE Geologist DATE JUL 21 1980

CONDITIONS OF APPROVAL, IF ANY:

Expires 7/21/81

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OPERATOR		

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- 2. Name of Operator TENNECO OIL COMPANY 3. Address of Operator 6800 Park Ten Blvd., Suite 200 N., San Antonio, TX. 78247 4. Location of Well UNIT LETTER <u>L</u> <u>2310</u> <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>330</u> <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>3</u> TOWNSHIP <u>20</u> RANGE <u>37</u> N.M.P.M. 15. Elevation (Show whether DF, RT, GR, etc.) 3551' GR	5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input type="checkbox"/> 5. State Oil & Gas Lease No. ----- 7. Unit Agreement Name ----- 8. Farm or Lease Name Ellen Weir <i>Gas Con.</i> 9. Well No. 1 10. Field and Pool, or Wildcat Eumont Queen Gas 12. County Lea
---	---

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

PERFORM REMEDIAL WORK <input 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 OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

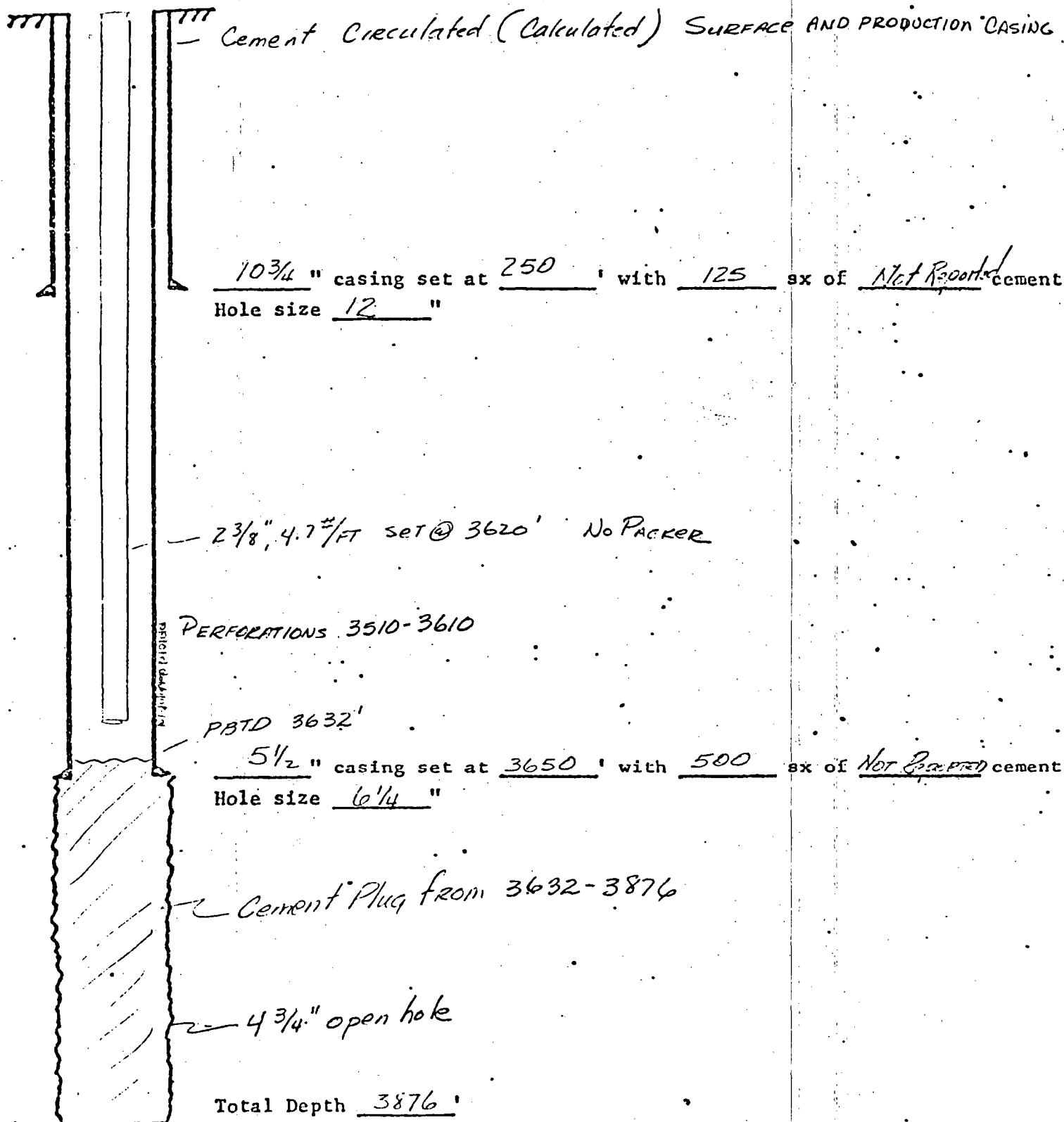
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

CIBP @ 3490' & cap w/35' of cement. Perforate w/casing gun 3410-12, 16, 18, 22, 24, 26, 28, 30, 32 w/1JSPF. Acidize perms w/1500 gals 15% NEFE HCL using 15 ball sealers. At this time results will be evaluated to determine if a frac is necessary. If so, a design using 15,000 to 20,000 gals will be prepared.

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

SIGNED Mary Hall TITLE PRODUCTION ANALYST DATE 4/11/80
Orig. Signed by
JERRY SEXTON
APPROVED BY Dist. L. Supv. TITLE _____ DATE APR 15 1980
CONDITIONS OF APPROVAL, IF ANY:

FIELD	EMENT QUEEN (G)	OPERATOR	TENNECO OIL	DATE	4-28-76
LEASE	ELLER WEIR GAS COM	WELL NO	1	LOCATION	L 3 205 37E



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	GAS
PHONATION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

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

FORM C-110
(Rev. 7-60)
OFFICE O. C. C.

DEC 24 11 24 AM '63

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator Tenneco Oil Company				Lease Ellen Weir	Well No. 1
Unit Letter L	Section 3	Township 20-S	Range 37-E	County Lea	
Pool Emont				Kind of Lease (State, Fed, Fee) Fee	
If well produces oil or condensate give location of tanks		Unit Letter	Section	Township	Range

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	

Is Gas Actually Connected? Yes ☒ No ☐

Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>	Date Connected 1-1-61	Address (give address to which approved copy of this form is to be sent) Box 2376, Hobbs, New Mexico
Northern Natural Gas		

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

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

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

Remarks

Change operator's name from Tenneco Corporation to Tenneco Oil Company, effective January 1, 1964.

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

Executed this the **23rd** day of **December**, 1963...

OIL CONSERVATION COMMISSION		By R. O. Bowers
Approved by [Signature]		Title District Office Supervisor
Title Tenneco Oil Company		Company Tenneco Oil Company
Date DEC 24 1963		Address Box 1031, Midland, Texas

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TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

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

FORM C-110
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator Tenneco Corporation				Lease Ellen Weir Gas Unit		Well No. 1	
Unit Letter L	Section 3	Township 20-S	Range 37-E	County Lea			
Pool Eumont				Kind of Lease (State, Fed, Fee) Fee			
If well produces oil or condensate give location of tanks			Unit Letter	Section	Township	Range	
Authorized transporter of oil <input type="checkbox"/> or condensate <input type="checkbox"/> None				Address (give address to which approved copy of this form is to be sent)			
Is Gas Actually Connected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>			Date Connected 1-1-61	Address (give address to which approved copy of this form is to be sent) Box 2376, Hobbs, New Mexico			
Northern Natural Gas							

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

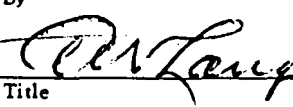
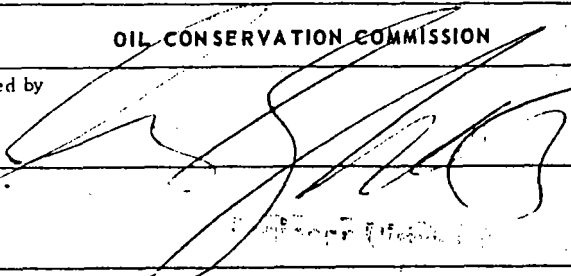
REASON(S) FOR FILING (please check proper box)

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

Remarks
Change operator's name from Tennessee Gas Transmission Company to Tenneco Corporation, effective MAR 1 1961

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

Executed this the **MAR 1 1961**, 19__.

OIL CONSERVATION COMMISSION		By 	A. W. Lang
Approved by 		Title District Production Superintendent	
Title Tenneco Corporation		Company Tenneco Corporation	
Date MAR 23 1961		Address Box 307, Hobbs, New Mexico	

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TRANSPORTER	OIL
	GAS
PRODUCTION OFFICE	
OPERATOR	

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

FORM C-110
 (Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator Tennessee Gas Transmission Company				Lease Ellen Weir Gas Unit		Well No. 1 55	
Unit Letter L	Section 8/3	Township 20-S	Range 37-E		County Lea		
Pool Eumont				Kind of Lease (State, Fed, Fee) Fee			
If well produces oil or condensate give location of tanks			Unit Letter	Section	Township	Range	
Authorized transporter of oil <input type="checkbox"/> or condensate <input type="checkbox"/> None				Address (give address to which approved copy of this form is to be sent)			
Is Gas Actually Connected? Yes _____ No _____							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>			Date Connected 1-1-61	Address (give address to which approved copy of this form is to be sent) P. O. Box 2376 Hobbs, New Mexico			
Northern Natural Gas							

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

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

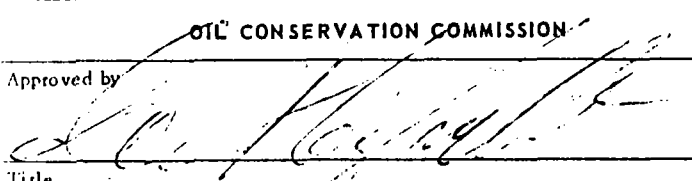
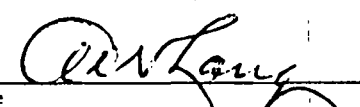
New Well <input type="checkbox"/>	Change in Ownership <input type="checkbox"/>
Change in Transporter (check one)	Other (explain below)
Oil <input type="checkbox"/> Dry Gas <input checked="" type="checkbox"/>	
Casing head gas . <input type="checkbox"/> Condensate.. <input type="checkbox"/>	

Remarks

Change in transporter from Permian Basin Pipe Line Co., effective January 1, 1961

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

Executed this the **19th** day of **January**, 19 **61**.

OIL CONSERVATION COMMISSION		By	
Approved by 			
Title		A. W. Lang	
Date		District Production Superintendent	
		Company	
		Tennessee Gas Transmission Company	
		Address	
		Box 307, Hobbs, New Mexico	

NEW MEXICO OIL CONSERVATION COMMISSION

MAIN OFFICE OCC

HOBBS OFFICE OCC

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

OCT 4 AM 8:02

OCT 22 AM 10:22

Pool Lumont Formation Queen County LeaInitial _____ Annual X Special _____ Date of Test 9/3/56Company Tennessee Gas Transmission Co. Lease Ellen Veir Well No. 1Unit 1 Sec. 3 Twp. 205 Rge. 37E Purchaser Permian Basin PL Co.Casing 5 1/2" Wt. 17.0# I.D. 4.892 Set at 3650 Perf. 3510 To 3610Tubing 2 3/8" Wt. 11.7# I.D. 2.995 Set at 3620 Perf. _____ To _____Gas Pay: From 3510 To 3610 L 3510 xG 0.675 -GL 2369 Bar.Press. 13.2Producing Thru: Casing X Tubing _____ Type Well Single Completion

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

Date of Completion: 11/30/54 Packer _____ Reservoir Temp. _____CO 0.93% N 1.70%

OBSERVED DATA

Tested Through 2 (Prover) (Choke) (Meter) Type Taps Pipe

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	Temp. °F.	
SI						779.5		867.6		71 3/4 Hrs. SI
1.	1	1.50	451.7	15.0	55	744.0		770.7		23 3/4 Hrs.
2.	1	1.50	457.3	26.5	61	711.5		659.4		23 3/4 Hrs.
3.	1	1.50	456.8	12.2	65	632.5		589.0		24 Hrs.
4.	1	1.50	457.0	13.8	64	591.2		548.7		23 3/4 Hrs.
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	15.26	83.51		1.0048	0.9427	1.049	1266
2.	15.26	111.70		0.9990	0.9427	1.047	1681
3.	15.26	139.10		0.9952	0.9427	1.045	2081
4.	15.26	143.50		0.9962	0.9427	1.047	2153
5.							

PRESSURE CALCULATIONS

as Liquid Hydrocarbon Ratio _____ cf/bbl.

ratio of Liquid Hydrocarbons _____ deg.

c 1.312 (1-e^{-s}) 0.150

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

P_c 800.8 P_c² 775.8

No.	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
1.	743.9	611.5	2.294	5.262	0.7893	615.3	160.5	704.4	0.89
2.	672.6	452.4	3.046	9.278	1.392	453.8	322.0	673.6	0.76
3.	602.2	362.6	3.771	14.220	2.133	364.7	411.1	603.9	0.69
4.	561.9	315.7	3.901	15.220	2.283	318.0	457.8	563.9	0.64
5.									

Absolute Potential: 2273 MCFPD; n 0.52COMPANY Permian Basin Pipe Line CompanyADDRESS Hobbs, New MexicoAGENT and TITLE R. L. West, Gas Engineer

WITNESSED _____

COMPANY _____

REMARKS

This is a retest. Well was blown 8/26/56

COMPANY

Tennessee Gas Transmission Co.

WELL

Ellen Weir No. 1

LOCATION

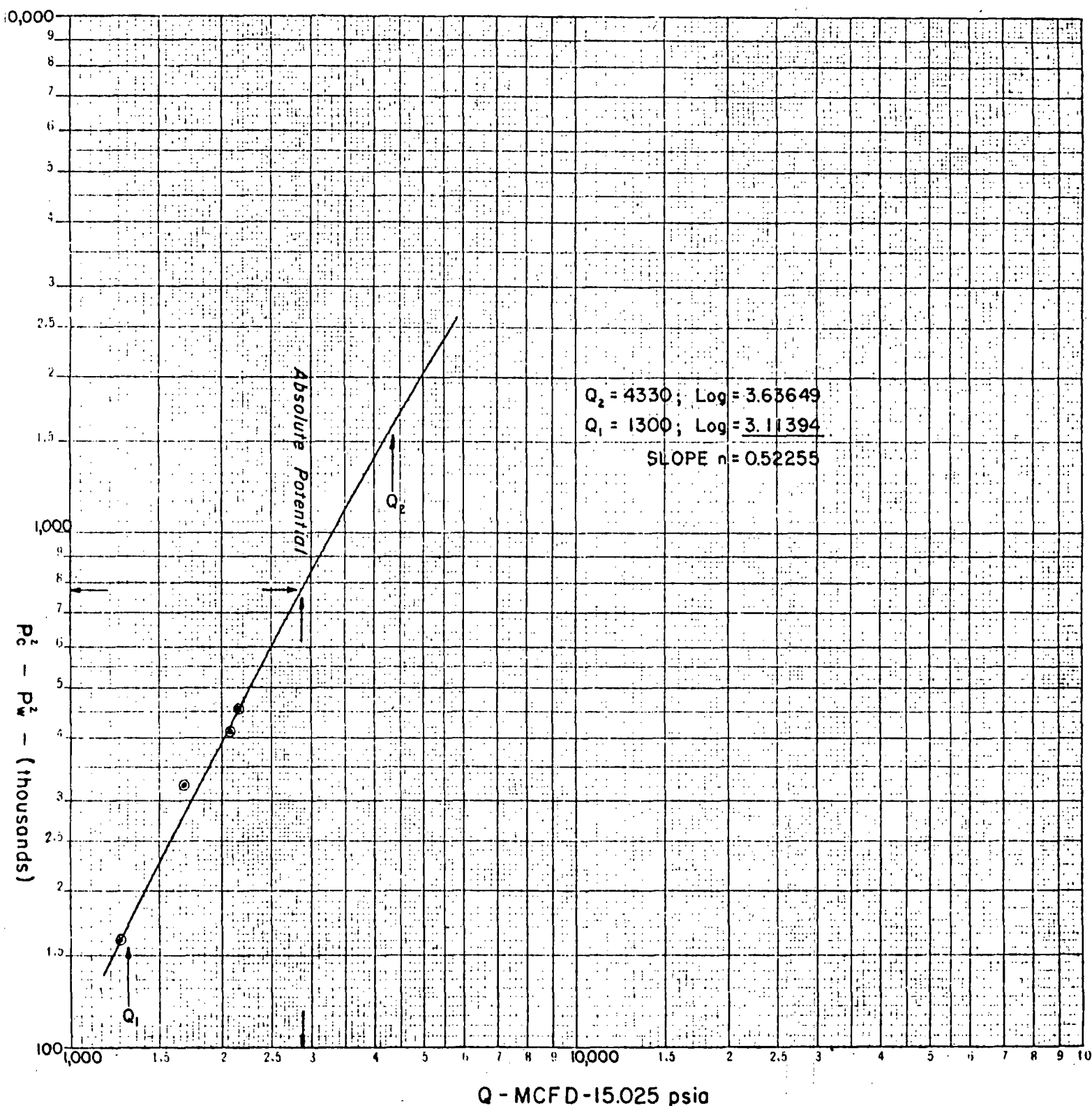
L 3, T-20-S, R-37-E

COUNTY

LEA

DATE

9-3-56



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE 000

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE 1955 APR 15 AM 8:45

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator **Tennessee Gas Transmission Co.** Lease **Weir**

Address **P. O. Box 1537, Hobbs, New Mexico** **Midland, Texas**
(Local or Field Office) (Principal Place of Business)

Unit **L**, Well(s) No **1**, Sec **3**, T **20S**, R **37E**, Pool **Eumont**

County **Lea** Kind of Lease: **Fee Land**

If Oil well Location of Tanks **Gas Well**

Authorized Transporter **Permian Basin Pipeline Company** Address of Transporter

Hobbs, New Mexico **Omaha, Nebraska**
(Local or Field Office) (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported **100%** Other Transporters authorized to transport Oil or Natural Gas from this unit are **None**

REASON FOR FILING: (Please check proper box)

NEW WELL ☐ CHANGE IN OWNERSHIP ☒

CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☐

REMARKS:

Formerly Tennessee Production Company

*Santa Fe - Note change
in ownership.*

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

Executed this the **18th** day of **April**, 19 **55**

TENNESSEE GAS TRANSMISSION COMPANY

Approved....., 19.....

OIL CONSERVATION COMMISSION

By *J. H. Moore*

Title **Unit Operator**

Box 1537, Hobbs, New Mexico

File

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. BOX 2045

HOBBS, NEW MEXICO

April 13, 1955

TO:

Tennessee Production Company

C/o J. H. Moore

Box 1537

Hobbs, New Mexico

This is:

A New gas well ()
An Oil well converted to gas (☒)
An Oil-Gas dual ()
A Gas-Gas dual ()

Gentlemen:

Form C-104 has been received on your Ellen Weir #1 -L 3-20-37
Lease and Well No. S.T.R.

1. And a 160 acre allowable will be assigned in the Summit
Pool under NSP Order No. 44.

2. No gas allowable can be assigned this well for the following reasons:

() Unorthodox location (Order R-520 Rule 3)

() Non-standard proration unit (Order R-520 Rule 5)

OIL CONSERVATION COMMISSION

S. J. Stanley

hs

cc/ Transporter PB

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE 000

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

1955 APR 13 AM 10:19

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator **Tennessee Production Co.** Lease **Weir**
Address **Box 1537, Hobbs, New Mexico** **Midland, Texas**
(Local or Field Office) (Principal Place of Business)
Unit **L**, Well(s) No. **1**, Sec. **8**, T. **20S**, R. **37E**, Pool **Eumont**
County **Lea** Kind of Lease **Fee Land**

If Oil well Location of Tanks

Authorized Transporter **Permian Basin Pipeline Co.** Address of Transporter
Hobbs, New Mexico **Omaha, Nebraska**
(Local or Field Office) (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported **100%** Other Transporters authorized to transport Oil or Natural Gas from this unit are **none.**

REASON FOR FILING: (Please check proper box)

NEW WELL ☒ CHANGE IN OWNERSHIP ☐

CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☐

REMARKS: **This well was originally completed as an oil well in the Monument pool. It has been plugged back and completed from the Queen formation as a dry gas well.**

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

Executed this the **12** day of **April**, 19**55**

TENNESSEE PRODUCTION CO.

Approved _____, 19____

OIL CONSERVATION COMMISSION

By **J. G. Stanley**

Title _____

By **J. H. Moore**

Title **Unit Operator.**

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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

REQUEST FOR ~~WELL~~ - (GAS) ALLOWABLE OFFICE ~~RECOMPLETION~~
Recompletion **x**

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.

Hobbs, New Mexico **April 12, 1955**
(Place) (Date)

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

Tennessee Production Co., **Weir** Well No. **1** in **NW** $\frac{1}{4}$ **SW** $\frac{1}{4}$,
(Company or Operator) (Lease)
"L" Sec. **8** T. **20S** R. **87E** NMPM. **Eumont** Pool
(Unit)
Lea County. Date Spudded **4-19-42** Date ~~Spudded~~ **Recompleted** **Nov. 30, 1954**

Please indicate location:

1 *			

Elevation **3,560'** Total Depth **3,876'** P.B. **3,682'**

Top ~~gas~~/gas pay **3,510'** Name of Prod. Form **3,510'**

Casing Perforations: **3,510 to 3,610'** *Queen* or

Depth to Casing shoe of Prod. String **3,650'**

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 **6,202 MCF open flow**

Size choke in inches _____

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

Transporter taking ~~oil~~ or Gas: **Permian Basin Pipeline Company**

Casing and Cementing Record

Size Feet Sax

10 3/4"	250'	125
5 1/2"	3,650'	500

Remarks: **Treated through perforations with 10,000 gallons sand-frac, 10,000# sand. Injection pressure 2,400#.**

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

Approved **April 12** 1955 **TENNESSEE PRODUCTION CO.**
(Company or Operator)

OIL CONSERVATION COMMISSION

By: *J. H. Moore*
(Signature)

By: *S. J. Stanley* Title **Unit Operator**
Send Communications regarding well to:

Title _____
Name **J. H. Moore**
Address **Box 1537, Hobbs, New Mexico**

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECOMPLETION
WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Tennessee Production Company
(Company or Operator)

Weir
(Lease)

Well No. 1, in NW 1/4 of SW 1/4, of Sec. 3, T. 20S, R. 37E, NMPM.

Eumont

Pool,

Lea

County.

Well is 2310 feet from South line and 330 feet from West line

of Section 3. If State Land the Oil and Gas Lease No. is Fee

Recompletion November 17, 1954. Recompletion November 30, 1954

Name of Drilling Contractor James Oil Well Service

Address Hobbs, New Mexico

Elevation above sea level at Top of Tubing Head 3,560'. The information given is to be kept confidential until 19

GAS
SANDS OR ZONES

No. 1, from 3,510' to 3,640' No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10 3/4"	40#	New	255'	TP			
5 1/2"	17#	"	3,680'	Float		3510-3610'	Complete from Queen Gas Zone

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12"	10 3/4"	250'	125	Pump		
6 1/4"	5 1/2"	3,650'	500	"		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Treated through perforations w/10,000 gallons sand frac, 10,000# sand.
Overflushed w/100 bbls. oil. Injection pressure 2400#.

Result of Production Stimulation Well flowed gas at rate of 6,202 MCF, open flow, after treatment

Depth Cleaned Out 3,610' PB

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

Rotary tools were used from Surface feet to total depth feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Put to Producing..... **November 25,**....., 19 **54**

OIL WELL: The production during the first 24 hours was.....barrels of liquid of which.....% was
was oil;% was emulsion;% water; and.....% was sediment. A.P.I.
Gravity.....

GAS WELL: The production during the first 24 hours was 6,202 M.C.F. plus No barrels of liquid Hydrocarbon. Shut in Pressure 975 lbs.

Length of Time Shut in.....**24 hours**.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy.....	1,285'	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....	1,665'	T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....	2,290'	T. Montoya.....	T. Farmington.....
T. Yates.....	2,622'	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....	2,855'	T. McKee.....	T. Menefee.....
T. Queen.....	3,420'	T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....		T. Gr. Wash.....	T. Mancos.....
T. San Andres.....		T. Granite.....	T. Dakota.....
T. Glorieta.....		T.	T. Morrison.....
T. Drinkard.....		T.	T. Penn.....
T. Tubbs.....		T.	T.
T. Abo.....		T.	T.
T. Penn.....		T.	T.
T. Miss.....		T.	T.

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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

Company or Operator.....**Tennessee Production Co**

Address.....**Box 1537, Hobbs, New Mexico**.....

Name J. H. Moore, Unit Operator

Position or Title..... **Unit Operator**

J. HIRAM MOORE

Geologist

Hobbs, New Mexico

Phone 3-3909

November 17, 1954

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. W. B. Macey

Re: Request for Non-standard Proration Unit
Eumont Gas Pool - SW 1/4 Section 3-20S-37E
Lea County, New Mexico

Gentlemen:

In accordance with Order R-520 the undersigned hereby requests a non-standard proration unit consisting of 160 acres covering the SW 1/4 of Section 3, Twp. 20 S., Rge. 37 E., Lea County, New Mexico.

All of the lease owners in the Southwest Quarter of the above captioned tract comprising Tennessee Production Company, J. Hiram Moore, John Barnett, Ernest A. Hanson and Carper Drilling Company, Inc., have executed a working agreement to operate a gas well on this tract.

The Tennessee Production Company, Ellen Veir No. 1 well was completed as an oil producer on May 9, 1952, in the Monument Pool. The oil zone in this well has been depleted and the operators plan to plug back and complete from the Eumont gas zone. Notice of intention to recomplete this well was filed with the Commission and approved July 9, 1954.

Waivers have been obtained from offset operators and copies are enclosed herewith, in accordance with Rule R-370A. These waivers are also in accord with Rule 5, Order R-520.

The request for 160 acre gas proration unit is in accordance with the Commission rules and regulations and it is requested that the Commission grant the formation of this unit.

Yours very truly,

TENNESSEE PRODUCTION COMPANY

JHM:mw

cc: Tennessee Prod. Co.

John Barnett

Ernest A. Hanson

Carper Drilling Co., Inc.

By: J. Hiram Moore,
Unit Operator

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE Dec. 22, 1954

MR. W. B. MACEY
OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

RE:

PROPOSED NSP

44

PROPOSED NSL

Dear Mr. Macey:

I have examined the application dated November 17, 1954

for the Tennessee Production Company Ellen Weir #1 3-20-37
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approved

Yours very truly,

OIL CONSERVATION COMMISSION

hs

Stanley J. Stanley
Engineer

NEW MEXICO Gas Well Plat
OIL CONSERVATION COMMISSION

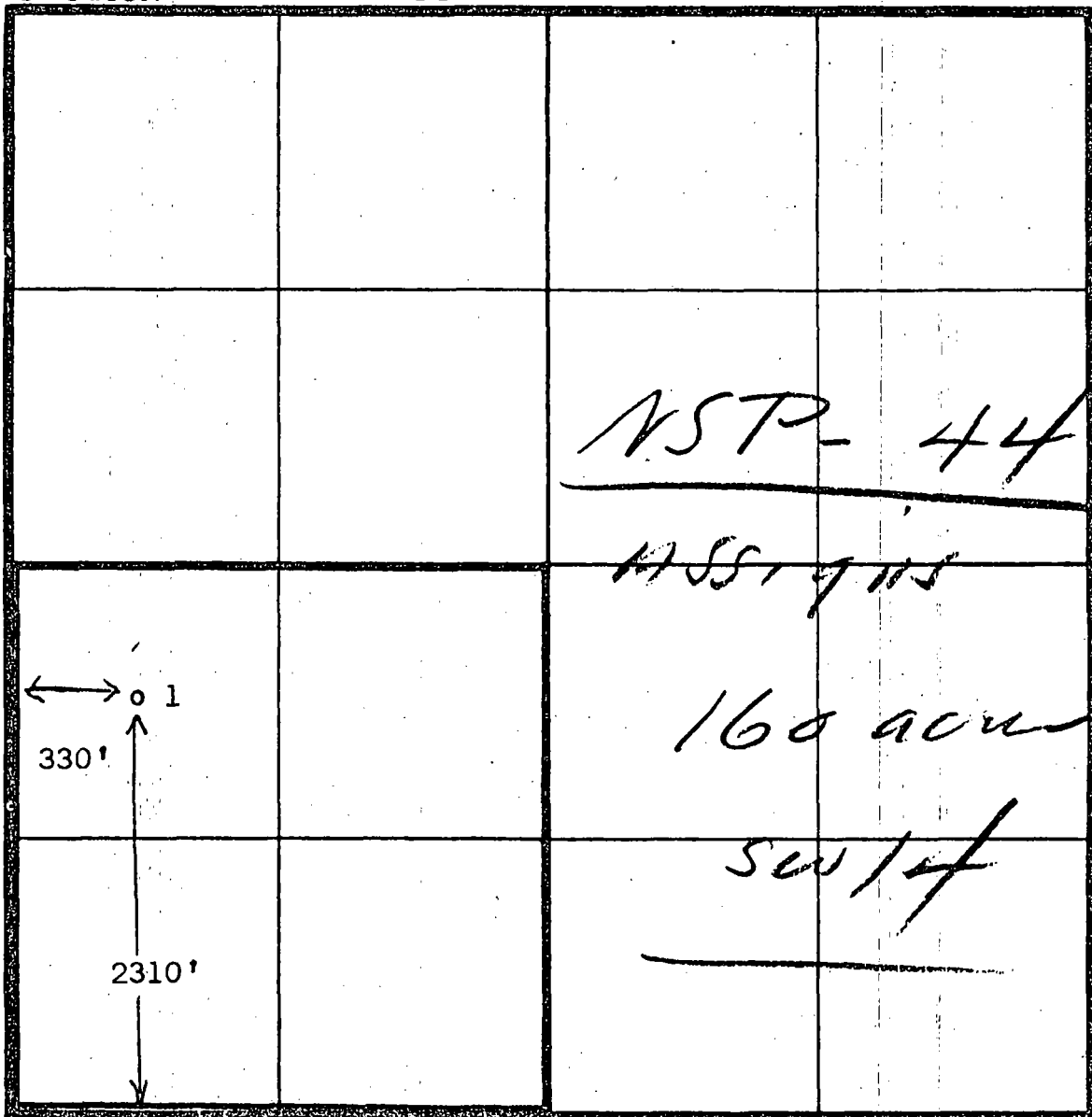
Date Nov. 17, 1954

Tennessee Production Co. Ellen Weir Com 1
Operator Lease Well No.

Name of Producing Formation Queen Pool Eumont

No. Acres Dedicated to the Well 160

SECTION 3 TOWNSHIP 20 South RANGE 37 East



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

Name J. Hiram Moore
Position Unit Operator
Representing Tennessee Production Co.
Address Box 1537, Hobbs, New Mexico.

(over)

INSTRUCTIONS

1. Is this gas well a dual completion? Yes _____ No. X.
2. If the answer to Question 1 is Yes, are there any other dually completed wells within the dedicated acreage?
Yes _____ No. _____.

A separate plat must be filed for each gas well, outlining the area dedicated to such well and showing the location of all other wells (oil and gas) within the outlined area.

Mail in duplicate to the district office for the district in which the well is located.

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

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

Indicate nature of report by checking below:

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

HOBBS

Place

5-7-42

Date

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico.
Gentlemen:

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

Geo. McGarr M'Garr Ellen Weir Well No. 1 in the
Company or Operator Lease
NW SW of Sec. 3, T. 20, R. 37, N. M. P. M.,
Tunice Field, Lea County

The dates of this work were as follows:

Notice of intention to do the work was ~~not~~ submitted on Form C-102 on 5-7-1942
and approval of the proposed plan ~~was~~ (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilled to 250' then ran and cemented 20-3/4" 40# casing at 250' with 125 sacks cement, circulating to cellar. Let stand 72 hours then tested with 1000#, drilled plug and tested with 100#. Test OK and resumed drilling ahead.

Witnessed by R.P. Coats R.P. Coats Drilling Co. Owner
Name Company Title

Subscribed and sworn to before me this 7

day of May, 1942

J. H. Allen
Notary Public

My Commission expires Dec 17, 1944

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

Name R.P. Coats

Position Contractor

Representing Geo. McGarr M'Garr
Company or Operator

Address Box 1773, Midland, Texas

Remarks:

Roy Garbrough
Name
OIL & GAS INSPECTOR
Title

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

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

Indicate nature of report by checking below:

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

HOBBS NEW MEXICO

MAY 7, 1942

Place

Date

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico.
Gentlemen:

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

Geo. McGraw M'Graw Ellen Weir

Well No. 1 in the

NW SW Company or Operator License
of Sec. 3, T. 20, R. 37, N. M. P. M.,
Eunice Field, Lea County

The dates of this work were as follows: May 6, 1942

Notice of intention to do the work was (was not) submitted on Form C-102 on 5-7-42 19. and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilled to 3650' - ran and cemented 5 1/2" 17# casing at 3650'
Halliburton Process with 500 sacks cement.

Let stand 72 hours, drilled plug and tested with 1000# pressure
1 hour. Tested OK and now drilling ahead.

Witnessed by R P Coats Drilling Co. Owner
Name Company Title

Subscribed and sworn to before me this 7
day of May, 1942.

Notary Public

My Commission expires Dec 17, 1944

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

Name

Position Contractor

Representing Geo. McGraw M'Graw
Company or Operator

Address Box 1773, Midland

Remarks:

Notary Public
Name
OIL & GAS INSPECTION
Title

GEOGRAPHIC LOCATION
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MAY 16 1942

RECEIVED
OIL CONSERVATION COMMISSION

Sec. 33	Sec. 34
Sec. 4	Sec. 3

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.

G. M. McGarr

P. O. Box 92, Midland

Company or Operator
Weir, et al
Lease
Well No. A-1
NW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 3
T. 20 S
R. 37 E
N. M. P. M. Monument
Field, Lea
County.
Well is 2310 feet North of the North line and 330 feet East of the East line of Section 3
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Weir Estate Address
If Government land the permittee is Address
The Lessee is C. R. Turner and Jack Harris Address
Drilling commenced April 18 19 42 Drilling was completed May 11, 1942 19
Name of drilling contractor B.P. Coats Address Midland, Texas
Elevation above sea level at top of casing 3560' feet.
The information given is to be kept confidential until No restrictions 19

OIL SANDS OR ZONES

No. 1, from 3850' to 3876' 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 None to feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
10-3/4	40	8	LW	255'	TP			
5 1/2	17	8	88	3680'				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12	10-3/4"	250'	125	Halliburton		
6 1/2	5 1/2" OP	3650'	500	Halliburton		

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
------	------------	----------------------------	----------	------	-----------------------	-------------------

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
		Chem. Process	1775 Gal	5-10-42	3850' to	3876' TD
		" "	3000 Gal	5-14-42	"	"

Results of shooting or chemical treatment 10 BPH after 1st treatment. CP 700 T.P. 50
~~with gas estimated 275,000 Cu. Ft.~~
~~44 barrels per hour after second treatment flowing thru 16/64 choke~~
C.P. 600# TP 200# gas estimated 1,000,000 cubic feet.

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 TOP feet to 3876' TD feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing 5-12-42 _____ 19_____
 The production of the first 24 hours was 240 barrels of fluid of which 100 % was oil; None %
 emulsion; None % water; and None % sediment. Gravity, Be. 34 Deg.
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, 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 15 _____

day of May _____, 19 42

H. H. McFarley
 Notary Public

My Commission expires Dec. 17, 1944

HOBBS, N.M. MAY 15, 1942
 Name E. M. McFarley
 Position Owner
 Representing _____
 Company or Operator

Address Midland, Texas

Midland Texas

10/15/1994

0100 0000 0000 0000

[illegible]

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 retained 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 DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	

HOBBS, NEW MEXICO

MAY 7, 1942

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

Company or Operator Geo. McGraw Ellen Weir Well No. 1 in NW SW
 of Sec. 3, T. 30²⁰, R. 37, N. M. P. M., Eunice Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Drilled to 3650' - ran and cemented 5½" OD 17# casing at
 3650' with 500 sacks cement with Halliburton process.

Will let stand 72 hours then drill plug and test for shut off.

MAY 8 - 1942

Approved _____, 19____
 except as follows:

Geo. McGraw
 Company or Operator

By R. P. CoatsPosition Contractor

Send communications regarding well to

OIL CONSERVATION COMMISSION,

By Roy YarbroughTitle OIL & GAS INSPECTORName R. P. CoatsAddress Box 1773, Midland, Texas.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

HOBBS OFFICE

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

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	XX	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 DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	

HOBBS NEW MEXICO

4-1-42

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

~~Geo. McMan~~~~McGarry~~

Ellen Weir

Well No.

1

in NW SW

Company or Operator

Lease

of Sec. 3, T. 20, R. 37, N. M. P. M., Eunice Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Drilled to 250' - ran and cemented 10-3/4" at 250' with 125
sacks cement, circulating to cellar.

Approved MAY 8 - 1942, 19____
except as follows:

~~Geo. McMan~~

Company of Operator

By J. P. BoatPosition Contractor

Send communications regarding well to

Name Box 1773, Midland, Texas

Address _____

OIL CONSERVATION COMMISSION,

By Roy Garbarrugh

OIL & GAS INSPECTOR

Title _____

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes must 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.

Midland, Texas

April 2, 1942

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

PLACE

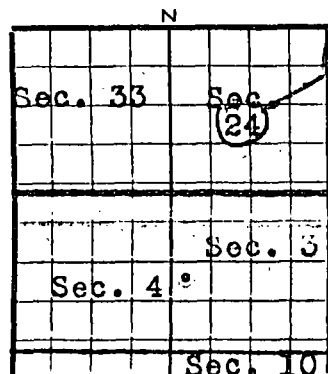
DATE

Gentlemen:

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

G. M. McGarr Weir, et al Well No. 1-A in NW $\frac{1}{4}$ of SW $\frac{1}{4}$
 COMPANY OR OPERATOR LEASE
 of Sec. 3, T. 20 S., R. 37 E., N. M. P. M., Monument Field, County.

The well is 2310 feet (N.) (E.) of the south line and 330 feet (E.) (W.) of the West line of Section 3.



AREA 640 ACRES
LOCATE WELL CORRECTLY

(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 Weir, Estate

Address

If government land the permittee is

Address

The lessee is C. R. Turner and Jack Harris

Address

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

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: Enclosed

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 RE-DRILL	DEPTH	LANDED OR CEMENTED	SACKS CEMENT
12 $\frac{1}{2}$ "	10" 7"	22#	Yes New	70' 3750' (Approx)	Cemented "	to surface - whatever is customary

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 3800 feet.

Additional information:

7" O.D., pipe, if run in 9 5/8" hole must be cemented back to top of salt. Will take approximately 100 sacks.

Approved: APR 13 1942, 19.....

Except as follows:

Approval conditioned upon compliance with OPC-WPB requirements.

Sincerely yours,

G. M.

G. M. McGarr

COMPANY OR OPERATOR

By

Position

Send communications regarding well to

G. M. McGarr

Name

Address: P O Box 92, Midland, Texas.

OIL CONSERVATION COMMISSION

By

Title: GAS INSPECTOR

RECEIVED
DISTRICT
CANYON
COUNTY
OFFICE
OPERATOR

MEXICO OIL CONSERVATION COMMISSION

30-025-27660

Form 7-101
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work
Type of Well
CH. 1
GAS WELL ☒ OIL WELL ☐
Doyle Hartman
Address of Operator
P. O. Box 10426 Midland, Texas 79702
Location of Well
UNIT LETTER M LOCATED 660 FEET FROM THE South LINE
330 West 3 20S 37E

5A. Indicate Type of Lease
STATE ☐ ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Date
8. Name of Lease Owner
Ellen Weir
9. Well No.
1
10. Field and Pool, or Well Unit
Eumont (Gas)
11. Name of Lessee
Lea

19. Proposed Depth 4100
20A. Formation Queen (Penrose)
20. Rotary
21B. Drilling Contractor Kenai
22. Approx. Date of Well Completion
November 27, 1981
3549.7 G.L. Multi-Approved

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	9 5/8	40.5	400	300	Surface
8 3/4	7	23.0	4100	750	Surface

The proposed well will be drilled to a total depth of 4100 feet and will be completed as a Eumont (Queen) Gas producer. From the base of the surface pipe through the running of the production casing, the well will be equipped with a 3000-psi double ram BOP system.

Note: Presently negotiating contract with El Paso Natural Gas for Eumont gas.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 6/27/82
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODU-
TION ZONE, SIZE, DEPTH, ETC., WITH PROGRAM, IF ANY.

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

by Henry A. Norman Title Engineer Date November 23, 1981

(This space for State Use)

PROVED BY [Signature] TITLE [Signature]
CONDITIONS OF APPROVAL, IF ANY

DEC 1 1981
1-6E

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Land: DOYLE HARTMAN		Lease: ELLEN WEIR		Well No. 1	
Section: M	Section: 3	Township: 20 South	Range: 37 East	County: Lea	
Approximate Location of Well:					
660 feet from the South line and		330 feet from the West line			
Section Elev. 3549.7	Producing Formation: QUEEN (PENROSE)		Pool: EUMONT (GAS)	Depth of Artesian: 120	

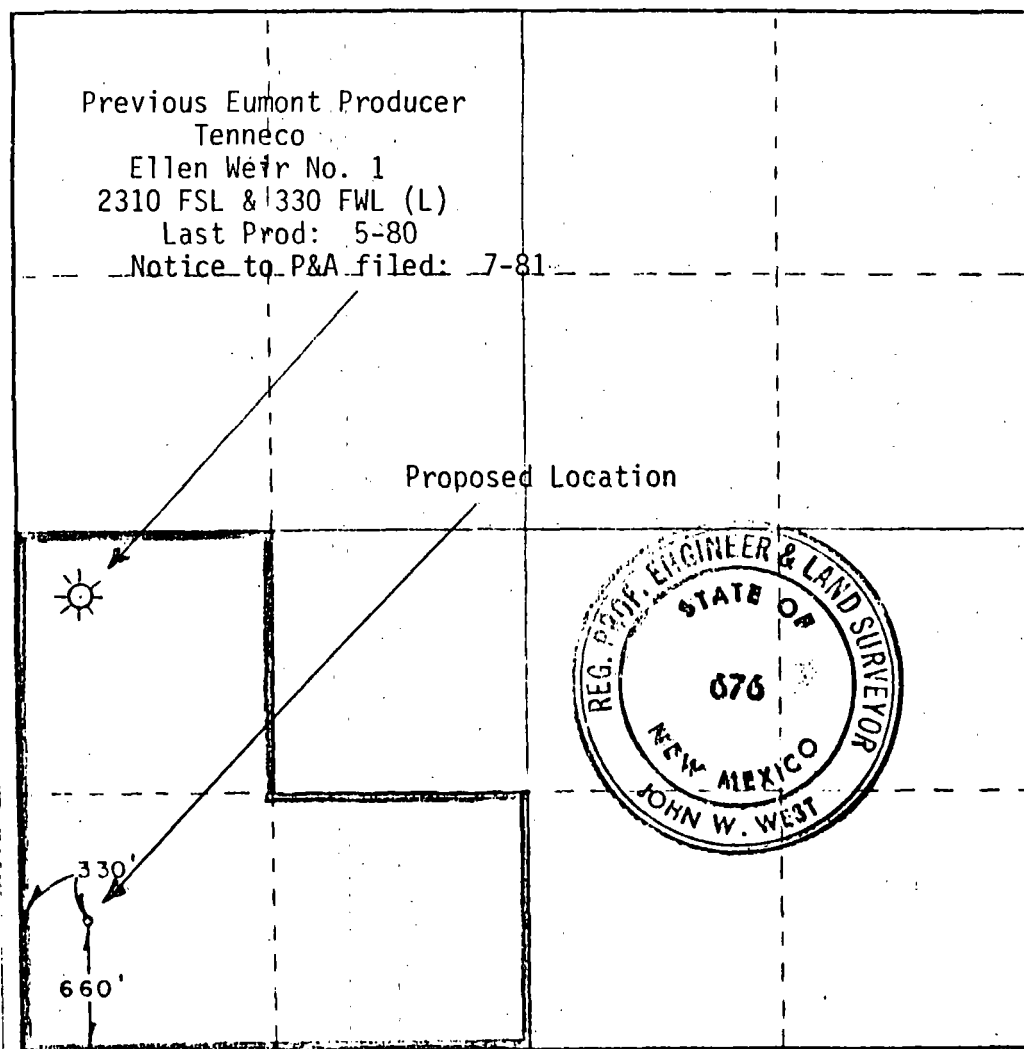
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). Ownership shown on back of this page.
3. If more than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

OCD hearing No. 7421

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

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

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



CERTIFICATION

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

Name: *Larry G. Romero*

Position: Engineer

Company: Doyle Hartman

Date: November 23, 1981

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

Date Surveyed: 10/16/81

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 668
Ronald J. Eidson 3239

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900

5. State Oil & Gas Lease No.

DO NOT WRITE IN THESE SPACES

ALL WELL <input type="checkbox"/>		GAS WELL <input checked="" type="checkbox"/>		OTHER		7. Unit Agreement or Name	
Name of Operator <u>Doyle Hartman</u>						8. Form or Lease Name <u>Ellen Weir</u>	
Address of Operator <u>P. O. Box 10426, Midland, Texas 79702</u>						9. Well No. <u>1</u>	
Location of Well UNIT LAYER <u>M</u> <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>330</u> FEET FROM THE <u>West</u> LINE, SECTION <u>3</u> TOWNSHIP <u>20S</u> RANGE <u>37E</u>						10. Field and Pool, or Wildcat <u>Eumont (Gas)</u>	
11. Location (where is other DE, RI, GR, etc.) <u>3549.7 G.L.</u>						12. County <u>Lea</u>	

[illegible]

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

17. Describe the 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 12:30 p.m. CST 12-03-81. Drilled 12 1/4" surface hole to a total depth of 450'. Rigged up and ran 11 joints of 9 5/8", 40.5 lb/ft casing and landed at 450' RKB. Cemented surface casing with 225 sx of API Class C cement containing 2% CaCl₂. Plug down at 7:00 a.m. 12-04-81. Circulated 45 sx of excess cement to pit. WOC 18 hours. Pressure tested casing to 700 psi. Pressure held okay.

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

SIGNED Michelle Hernandez TITLE Administrative Assistant DEC 16 12-07-81

Jerry Sexton
Dean of Faculty

FILED AT	FILED	DATE
ALBANY, N.Y.	APR 11 1964	APR 11 1964

CONDITIONS OF APPROVAL, IF ANY:

DEC 15 1981



CONSERVATION DIVISION

P. O. BOX 2088

MIDLAND, TEXAS 79701

Form C-101
Revised 10-1-77

1.井の位置 (Well Location)	
2.井の深度 (Well Depth)	
3.井の径 (Well Diameter)	
4.井の長さ (Well Length)	
5.井の傾斜 (Well Dip)	
6.井の方位 (Well Orientation)	
7.井の用途 (Well Purpose)	
8.井の所有者 (Well Owner)	
9.井の管理 (Well Management)	
10.井の記録 (Well Record)	

11.井の位置 (Well Location) []

12.井の深度 (Well Depth) []

13.井の径 (Well Diameter) []

14.井の長さ (Well Length) []

15.井の傾斜 (Well Dip) []

16.井の方位 (Well Orientation) []

17.井の用途 (Well Purpose) []

18.井の所有者 (Well Owner) []

19.井の管理 (Well Management) []

20.井の記録 (Well Record) []

SUMMARY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR A WELL THAT IS NOT A DIFFERENT RESERVOIR. USE ONLY FOR A WELL THAT IS A DIFFERENT RESERVOIR.

1.井の位置 (Well Location) []

2.井の深度 (Well Depth) []

3.井の径 (Well Diameter) []

4.井の長さ (Well Length) []

5.井の傾斜 (Well Dip) []

6.井の方位 (Well Orientation) []

7.井の用途 (Well Purpose) []

8.井の所有者 (Well Owner) []

9.井の管理 (Well Management) []

10.井の記録 (Well Record) []

11.井の位置 (Well Location) []

12.井の深度 (Well Depth) []

13.井の径 (Well Diameter) []

14.井の長さ (Well Length) []

15.井の傾斜 (Well Dip) []

16.井の方位 (Well Orientation) []

17.井の用途 (Well Purpose) []

18.井の所有者 (Well Owner) []

19.井の管理 (Well Management) []

20.井の記録 (Well Record) []

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

NOTICE OF INTENTION TO: []

SUBSEQUENT REPORT OF: []

1.井の位置 (Well Location) []

2.井の深度 (Well Depth) []

3.井の径 (Well Diameter) []

4.井の長さ (Well Length) []

5.井の傾斜 (Well Dip) []

6.井の方位 (Well Orientation) []

7.井の用途 (Well Purpose) []

8.井の所有者 (Well Owner) []

9.井の管理 (Well Management) []

10.井の記録 (Well Record) []

11.井の位置 (Well Location) []

12.井の深度 (Well Depth) []

13.井の径 (Well Diameter) []

14.井の長さ (Well Length) []

15.井の傾斜 (Well Dip) []

16.井の方位 (Well Orientation) []

17.井の用途 (Well Purpose) []

18.井の所有者 (Well Owner) []

19.井の管理 (Well Management) []

20.井の記録 (Well Record) []

11. 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 3950'. Ran 90 joints (3953.14') of 7" OD, 23 lb/ft, J-55, ST&C casing and landed at 3950' RKB. Cemented casing with 250 sx of API Class-C cement containing 3% Econolite 1/2 lb/sx Floseal and 5 lb/sx Gilsonite followed by 300 sx of a 50-50 blend of API Class-C cement and Pozmix "A" containing 9 lb/sx salt and 1/2 lb/sx Floseal. Plug down at 5:15 p.m. 12-13-81. Pressure tested casing to 1500 psi. Released rig at 3:30 a.m. 12-14-81.

DEC 21 1981

12. 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 12-15-81

APPROVED BY [Signature] TITLE [Signature] DATE DEC 18 1981

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P. O. BOX 20018

ALBUQUERQUE, NEW MEXICO 87501

Form C-101
Revised 1-19-81

COPIES RECEIVED	
DISTRIBUTION	
DATE & TIME	
BY	
TO	
FROM	
REMARKS	

34. Indicate Type of Lease
State ☐ ☒ [X]
5. State Oil & Gas Lease No.

SUMMARY NOTICES AND REPORTS ON WELLS

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

OIL ☐ GAS ☒ OTHER ☐

7. Unit Agreement Name

Name of Operator

8. Form or Lease Name

Doyle Hartman

Ellen Weir

Address of Operator

9. Well No.

P. O. Box 10426, Midland, Texas 79702

1

Location of Well

10. Field and Pool, or Wildcat

UNIT LETTER M 660 FEET FROM THE South LINE AND 330 FEET FROM

Eumont (Gas)

THE West LINE, SECTION 3 TOWNSHIP 20S RANGE 37E

13. Estimation (Show whether DE, RT, GR, etc.)

3549.7 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 ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

COMMENCE DRILLING OPER.

PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐

CHANGE PLANS ☐

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.

Ran Micro-Seismogram Cement Bond log. Found top of cement at approximately 1220' from surface, above Rustler anhydrite. Rigged up Halliburton, pressured 7" casing to 1000#, and then cemented upper portion of hole through 9 5/8"-7" casing-annulus with a total of 350 sx of API Class C Neet cement. Initial pumping pressure= 250 psi and final pump pressure= 500 psi. Casing annulus held 300 psi after shutting down.

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

SIGNED Nichelle Hernandez

TITLE Administrative Assistant JAN 4 1982

12-21-81

Orig. Signed By

Jerry Sexton

DEC 31 1981

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
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SALES AREA	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND

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

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Doyle Hartman	
Address P. O. Box 10426 Midland, Texas 79702	
Reason(s) for filing (Check proper box)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of Oil <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input checked="" type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name Ellen Weir	Well No. 1	Pool Name, including Formation Eumont (Gas)	Kind of Lease State, Federal or Fee	Fee	Lease No.
Location					
Unit Letter M	660	Feet From The South	Line and 330	Feet From The West	
Line of Section 3	Township 20S	Range 37E	NMPM,	Lea	County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)		
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)		
El Paso Natural Gas Company	P. O. Box 1384 Jal, New Mexico 88252		
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.	Is gas actually connected? No	When 12-29-81

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

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		XX	XX					
Date Spudded 12-03-81	Date Compl. Ready to Prod. 12-22-81	Total Depth 3950		P.B.T.D. 3945				
Elevations (DF, RKB, RT, GR, etc.) 3549.7 GL	Name of Producing Formation Queen (Penrose)	Top Oil/Gas Pay 3507		Tubing Depth 3520				
Perforations 3507-3662 (Penrose)				Depth Casing Shoe 3950				

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4	9 5/8	450	225 (surface)
8 3/4	7	3950	550 (surface)

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 12-23-81	Length of Test 24 hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) Orifice Tester	Tubing Pressure (Shut-in) 82	Casing Pressure (Shut-in) (260)	Choke Size 18/64

CERTIFICATE OF COMPLIANCE

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

Larry G. Newman

Engineer

December 23, 1981

OIL CONSERVATION COMMISSION

APPROVED _____, 19 _____

BY _____

TITLE _____

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

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

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

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

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

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

Form O-105
Revised 11-79

6a. Indicate Type of Lease
State ☐ Fee ☒
6b. Name of Oil & Gas Lease Div.

1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER
b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESER. ☐ OTHER

7. Unit Agreement Name
8. Name of Lease Owner
Ellen Weir
9. Well No.
1
10. Field and Pool, or Wildcat
Eumont (Gas)

2. Name of Operator
Doyle Hartman
3. Address of Operator
P. O. Box 10426 Midland, Texas 79702

4. Location of Well
UNIT LETTER M LOCATED 660 FEET FROM THE South LINE AND 330 FEET FROM THE West LINE OF SEC. 3 TWP. 20S RGE. 37E

12. County
Lea

15. Date of Completion 12-3-81 16. Time T.D. Drilled 12-12-81 17. Date Sample (Ready to Prod.) 12-22-81 18. Flow Rate (DL, RKB, RT, GR, etc.) 3549.7 GL 19. Elev. Casinghead 3549.7
20. Total Depth 3950 21. Plug Per T.D. 3945 22. If Multiple Compl., How Many ----- 23. Intervals Drilled By Rotary Tools 0-3950 Cable Tools

24. Production Interval(s), of this completion - Top, Bottom, Range 3507-3662 w/20 Penrose 25. Was Directional Survey Made No

26. Type of Completion and Other Log Run CDL-DSN-GR and Guard Forxo 27. Was Well Cased No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8	40.5	450	12 1/4	225 (surface)	None
7	23.0	3950	8 3/4	550 (surface)	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	3520	

31. Perforation Record (Interval, size and number)
20 holes with one shot each at:
3507, 3511, 3521, 3525, 3533, 3538, 3541, 3546, 3559, 3569, 3578, 3585, 3591, 3596, 3600, 3614, 3630, 3639, 3659, 3662.
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL 3507-3662 AMOUNT AND KIND MATERIAL USED A/5600 15 % MCA

33. PRODUCTION
Date First Production 12-22-81 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Shut-in
Date of Test 12-23-81 Hours Tested 24 Casing Size 18/64 Prod. Per Test Period --- Oil - Bbl. --- Gas - MCF 154 Water - Bbl. --- Gas - Oil Ratio ---
Flow Testing Press. 82 psi Casing Pressure 260 psi Calculated 24-Hour Rate --- Oil - Bbl. --- Gas - MCF 154 Water - Bbl. --- Oil Gravity - API (Corr.) ---

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

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief
SIGNED Larry G. Nunn TITLE Engineer DATE December 23, 1981

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 electric log 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 the in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 20 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 _____ 1270	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 1370	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____ 2478	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2625	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 2902	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 3405	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 3695	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	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 _____ 3507	to _____ 3662	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
1270	1370	100	Anhydrite				
1370	2478	1108	Salt and Anhydrite				
2478	2625	247	Dolomite and Anhydrite				
2625	2902	277	Dolomite and Anhydrite				
2902	3405	503	Dolomite and Anhydrite				
3405	3504	99	Dolomite and Anhydrite				
3504	3695	191	Dolomite and Sandstone				
3695	3950	225	Dolomite and Sandstone				

NOTIFICATION OF OFFSET OPERATORS OF
DOYLE HARTMAN'S INFILL FILING
Ellen Weir No. 1
660 FSL & 330 FWL Section 3, T-20-S, R-37-E
Lea County, New Mexico
EUMONT (GAS) POOL

<u>Offset Operators</u>	<u>Date Notification Mailed</u>	<u>Date Notification Received</u>	<u>Date Nofitication Approved</u>
W. K. Byrom	November 24, 1981	November 27, 1981	November 30, 1981
Conoco, Inc.	November 24, 1981	November 25, 1981	December 16, 1981
Texaco, Inc.	November 24, 1981	November 25, 1981	
Amerada-Hess Corporation	November 24, 1981	November 25, 1981	
Exxon Company, U.S.A.	November 24, 1981	November 25, 1981	

PI11964373


RECEIPT FOR CERTIFIED MAIL

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

SENT TO		W. K. Byrom	
STREET AND NO.		103 W. Lea	
P.O. STATE AND ZIP CODE		Hobbs, NM 88240	
POSTAGE		\$.87	
CERTIFIED FEE		75	
SPECIAL DELIVERY			
RESTRICTED DELIVERY			
OPTIONAL SERVICES			
RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	60	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY			
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY			
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY			
TOTAL POSTAGE AND FEES		\$ 1.72	
POSTMARK OR DATE		11-24-81	
		Weir Infill	

N 3811, Jan. 1978

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space reverse.		
1. The following service is requested (check one): <input checked="" type="checkbox"/> Show to whom and date delivered.....60¢ <input type="checkbox"/> Show to whom, date and address of delivery.....¢ <input type="checkbox"/> RESTRICTED DELIVERY Show to whom and date delivered.....¢ <input type="checkbox"/> RESTRICTED DELIVERY. Show to whom, date, and address of delivery \$.....		
(CONSULT POSTMASTER FOR FEES)		
2. ARTICLE ADDRESSED TO: W. K. Byrom 103 W. Lea Hobbs, NM 88240		
3. ARTICLE DESCRIPTION: REGISTERED NO. CERTIFIED NO. INSURED NO. 1964373		
(Always obtain signature of addressee or agent)		
I have received the article described above. SIGNATURE <input type="checkbox"/> Addressee <input type="checkbox"/> Authorized agent R. R. Anderson		
4. DATE OF DELIVERY		POSTMARK
5. ADDRESS (Complete only if requested)		
6. UNABLE TO DELIVER BECAUSE:		
Weir		

☆ GPO : 1979-288-848

PI11964371

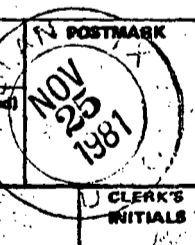
RECEIPT FOR CERTIFIED MAIL

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

SENT TO		Texaco, Inc.	
STREET AND NO.		P.O. Box 3109	
P.O. STATE AND ZIP CODE		Midland, TX 79702	
POSTAGE		\$.37	
CERTIFIED FEE		75	
SPECIAL DELIVERY			
RESTRICTED DELIVERY			
OPTIONAL SERVICES			
RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	60	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY			
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY			
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY			
TOTAL POSTAGE AND FEES		\$ 1.72	
POSTMARK OR DATE		11-24-81	
		Weir Infill	

N 3811, Jan. 1978

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space reverse.		
1. The following service is requested (check one): <input checked="" type="checkbox"/> Show to whom and date delivered.....60¢ <input type="checkbox"/> Show to whom, date and address of delivery.....¢ <input type="checkbox"/> RESTRICTED DELIVERY Show to whom and date delivered.....¢ <input type="checkbox"/> RESTRICTED DELIVERY. Show to whom, date, and address of delivery \$.....		
(CONSULT POSTMASTER FOR FEES)		
2. ARTICLE ADDRESSED TO: Texaco, Inc. P.O. Box 3109 Midland, TX 79702		
3. ARTICLE DESCRIPTION: REGISTERED NO. CERTIFIED NO. INSURED NO. 1964371		
(Always obtain signature of addressee or agent)		
I have received the article described above. SIGNATURE <input type="checkbox"/> Addressee <input type="checkbox"/> Authorized agent James		
4. DATE OF DELIVERY		POSTMARK
5. ADDRESS (Complete only if requested)		
6. UNABLE TO DELIVER BECAUSE:		
Weir		

☆ GPO : 1979-288-848

PI1196437

RECEIPT FOR CERTIFIED MAIL

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

SENT TO		Conoco, Inc.	
STREET AND NO.		P.O. Box 1959	
P.O. STATE AND ZIP CODE		Midland, TX 79702	
POSTAGE		\$.37	
CERTIFIED FEE		75	
SPECIAL DELIVERY			
RESTRICTED DELIVERY			
OPTIONAL SERVICES			
RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	60	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY			
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY			
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY			
TOTAL POSTAGE AND FEES		\$ 1.72	
POSTMARK OR DATE		11-24-81	
		Weir Infill	

PS Form 3800, Apr. 1976

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space reverse.	
1. The following service is requested (check one): <input checked="" type="checkbox"/> Show to whom and date delivered.....60¢ <input type="checkbox"/> Show to whom, date and address of delivery.....¢ <input type="checkbox"/> RESTRICTED DELIVERY Show to whom and date delivered.....¢ <input type="checkbox"/> RESTRICTED DELIVERY. Show to whom, date, and address of delivery \$.....	
(CONSULT POSTMASTER FOR FEES)	
2. ARTICLE ADDRESSED TO: Conoco, Inc. P.O. Box 1959 Midland, TX 79702	
3. ARTICLE DESCRIPTION: REGISTERED NO. CERTIFIED NO. INSURED NO. 1964372	
(Always obtain signature of addressee or agent)	
I have received the article described above. SIGNATURE <input type="checkbox"/> Addressee <input type="checkbox"/> Authorized agent Ray Anderson	
4. DATE OF DELIVERY	
5. ADDRESS (Complete only if requested)	
6. UNABLE TO DELIVER BECAUSE:	
Weir	

☆ GPO : 1979-288-848

PS Form 3811, Jan. 1978

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

1. The following service is requested (check one).
☒ Show to whom and date delivered. **60¢**
☐ Show to whom, date and address of delivery. **¢**
☐ RESTRICTED DELIVERY
☐ Show to whom and date delivered. **¢**
☐ RESTRICTED DELIVERY.
 Show to whom, date, and address of delivery. \$
 (CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Amerada Hess Corp.
P.O. Drawer D
Monument, NM 88265

3. ARTICLE DESCRIPTION:
 REGISTERED NO. CERTIFIED NO. INSURED NO.
 1964370
 (Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE ☒ Addressee ☐ Authorized agent
X Amerada Hess Corp
F. My Don Emerson

4. DATE OF DELIVERY
11-24-81

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:
 CLERK'S INITIALS
weir

☆GPO : 1979-288-848

PS Form 3800, Apr. 1976

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

SENT TO
Exxon Company USA
 STREET AND NO.
1700 W. Broadway
 P.O. STATE AND ZIP CODE
Andrews, TX 79714

CONSULT POSTMASTER FOR FEES	POSTAGE	\$.37
	CERTIFIED FEE	.75
	SPECIAL DELIVERY	
	RESTRICTED DELIVERY	
OPTIONAL SERVICES	SHOW TO WHOM AND DATE DELIVERED	.60
	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
TOTAL POSTAGE AND FEES		\$ 1.72
POSTMARK OR DATE 11-24-81 weir		

PS Form 3811, Jan. 1978

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

1. The following service is requested (check one).
☒ Show to whom and date delivered. **10¢**
☐ Show to whom, date and address of delivery. **¢**
☐ RESTRICTED DELIVERY
☐ Show to whom and date delivered. **¢**
☐ RESTRICTED DELIVERY.
 Show to whom, date, and address of delivery. \$
 (CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Exxon Company, USA
1700 Broadway
Andrews, TX 79714

3. ARTICLE DESCRIPTION:
 REGISTERED NO. CERTIFIED NO. INSURED NO.
 1964369
 (Always obtain signature of addressee or agent)

I have received the article described above.
 SIGNATURE ☒ Addressee ☐ Authorized agent
X Amerada Hess Corp

4. DATE OF DELIVERY
11-25-81

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:
 CLERK'S INITIALS
weir

☆GPO : 1979-288-848

PS Form 3800, Apr. 1976

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

SENT TO
Amerada Hess Corp
 STREET AND NO.
P.O. Drawer D
 P.O. STATE AND ZIP CODE
Monument, NM 88265

CONSULT POSTMASTER FOR FEES	POSTAGE	\$.37
	CERTIFIED FEE	.75
	SPECIAL DELIVERY	
	RESTRICTED DELIVERY	
OPTIONAL SERVICES	SHOW TO WHOM AND DATE DELIVERED	.60
	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
TOTAL POSTAGE AND FEES		\$ 1.72
POSTMARK OR DATE 11-24-81 weir		

PII 1964370

DOYLE HARTMAN

Oil Operator

500 N. MAIN

P. O. BOX 10426

MIDLAND, TEXAS 79702

(915) 684-4011

November 24, 1981

Offset Eumont (Gas) Operators
Ellen Weir No. 1
S/2 SW/4 and NW/4 SW/4
Section 3, T-20-S, R-37-E
Lea County, New Mexico

Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, you, as an offset operator to the above captioned lease, are hereby notified by certified mail of our intent to apply for administrative infill finding for the proposed Ellen Weir No. 1, to be located at a non-standard location consisting of 660 FSL & 330 FWL Section 3, T-20-S, R-37-E, Lea County, New Mexico. You were previously notified of our request for non-standard proration unit and non-standard location by our letter dated October 21, 1981, to Mr. R. L. Stamets of the New Mexico Oil Conservation Division.

In order to be paid the highest lawful price under the Natural Gas Policy Act of 1978, we must obtain an infill order from the New Mexico Oil Conservation Division, which we will request upon successful completion of the well as a Eumont Gas well. If you have no objection to our request for infill finding, please execute one copy of this letter and return it to this office in the enclosed stamped, self-addressed envelope.

Thank you for your cooperation in this matter.

Very truly yours,

DOYLE HARTMAN

Michelle Hembree

Michelle Hembree
Administrative Assistant

/mh

DEC 2 1981

Ellen Weir No. 1

Page 2

Approved this 30 day of November, 1981.

W.K. Byrom
W.K. Byrom

Conoco, Inc.

Texaco, Inc.

Amerada Hess Corporation

Exxon Company, U.S.A.

Ellen Weir No. 1
Page 2

Approved this 16th day of December, 1981.

W. K. Byrom

M. K. Mosley

M. K. Mosley

Conoco, Inc.

Texaco, Inc.

Amerada Hess Corporation

Exxon Company, U.S.A.

LIST OF OFFSET EUMONT (GAS) OPERATORS
 Doyle Hartman
 Ellen Weir No. 1
 M-Section 3, T-20-S, R-37-E
 (S/2 SW/4 and NW/4 SW/4 Sec. 3, T-20-S, R-37-E)
 Lea County, New Mexico

<u>Operator</u>	<u>Lease & Well Name(s)</u>	<u>Gas Well Locations</u>	<u>Unit Description</u>	<u>Number of Acres</u>
Exxon Company, U.S.A.	Eumont "Gas Com-1" No. 1 Eumont "Gas Com-1" No. 2	J-4-20S-37E L-4-20S-37E	All Section 4 T-20-S, R-37-E	640
W. K. Byrom	Cooper "F" No. 2	D-3-20S-37E	W/2 NW/4 Section 3 T-20-S, R-37-E	80
W. K. Byrom	J. W. Cooper No. 3	B-3-20S-37E	E/2 NW/4 and W/2 NE/4 Section 3, T-20-S, R-37-E	160
Conoco, Inc.	State "A-3" No. 1	I-3-20S-37E	SE/4 Section 3 T-20-S, R-37-E	160
Conoco, Inc.	Britt Lease	No Active Well	NE/4 SW/4 Section 3 T-20-S, R-37-E	40
Texaco, Inc.	EHB Phillips No. 1	D-10-20S-37E	N/2 NW/4, SE/4 NW/4, and NE/4 Section 10, T-20-S, R-37-E	280
Amerada Hess Corporation	WHV Laughlin No. 4	A-9-20S-37E	N/2 N/2 Section 9 T-20-S, R-37-E	160