

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.

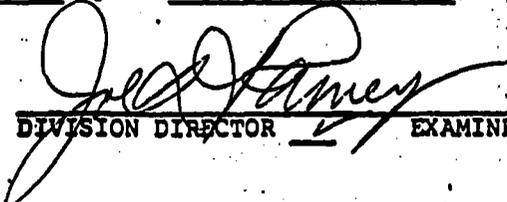
THE DIVISION FINDS:

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

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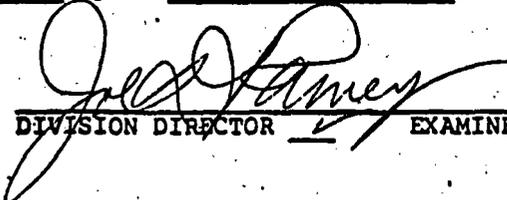
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- (2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

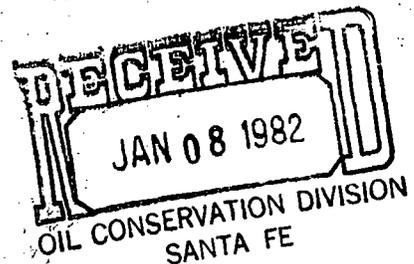
Re: Administrative Procedure
Infill Finding
Ellen Weir No. 1
S/2 SW/4 and NW/4 SW/4
Section 3, T-20-S, R-37-E
Lea County, New Mexico

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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FILE
ADDRESS
AND OFFICE
OPERATOR

MEXICO OIL CONSERVATION COMMISSION

30-025-27660

Form 101
Rev. 11-1-65

5A. Indicate Type of Lease
STATE XI
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work
Type of Well DRILL DEEPEN PLUG BACK
Oil Well Gas Well Other
SINGLE ZONE MULTIPLE ZONE

7. Unit Agreement Name
8. Name of Lease Tract
Ellen Weir
9. Well No.
1
10. Field and Locality Well in
Eumont (Gas)

Operator
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
Lea

19. Proposed Depth 4100
20A. Formation Queen (Penrose)
20B. Type of Well Rotary
21. Estimated Production (G.L.) 3549.7 G.L.
22. Status of Lease Multi-Approved
23. Drilling Contractor Kenai
24. Date of Application 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 6/21/82
UNLESS DRILLING UNDERWAY

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

Henry G. Manning Title Engineer Date November 23, 1981

(This space for State Use)

PROVIDED BY: TITLE: DEC 1 1981

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-13,
Supersedes O-12B
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Lessor DOYLE HARTMAN		Lessee ELLEN WEIR			Well No. 1
Section M	Section 3	Township 20 South	Range 37 East	County Lea	

Actual Location of Well:

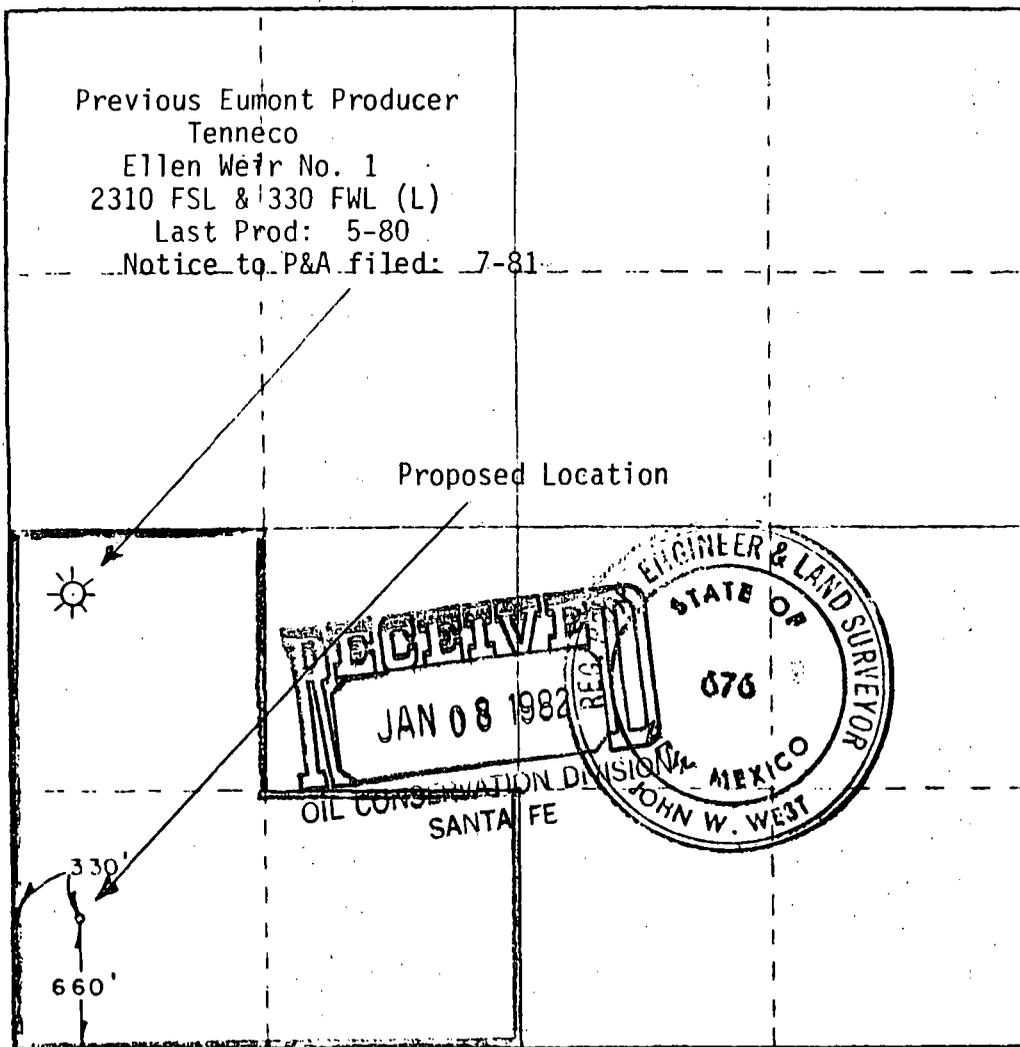
660 feet from the **South** line and **330** feet from the **West** line

Surface Elev. 3549.7	Producing Formation QUEEN (PENROSE)	Pool EUMONT (GAS)	Depth in Airspace 120
--------------------------------	---	-----------------------------	---------------------------------

- 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.



Previous Eumont Producer
Tenneco
Ellen Weir No. 1
2310 FSL & 330 FWL (L)
Last Prod: 5-80
Notice to P&A filed: 7-81

CERTIFICATION

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

Name: *Lang A. Ramirez*

Profession: **Engineer**

Signature: **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 688
Ronald J. Edgton 3239



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHDE
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:

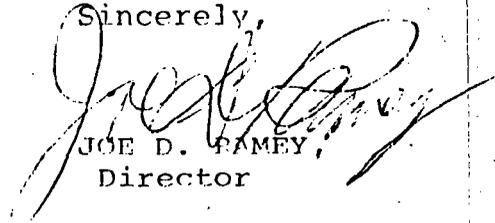
Reference is made to your application for a 120-acre non-standard proration unit consisting of the following acreage in the Furont Gas Pool:

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

19 80 Detail Summary

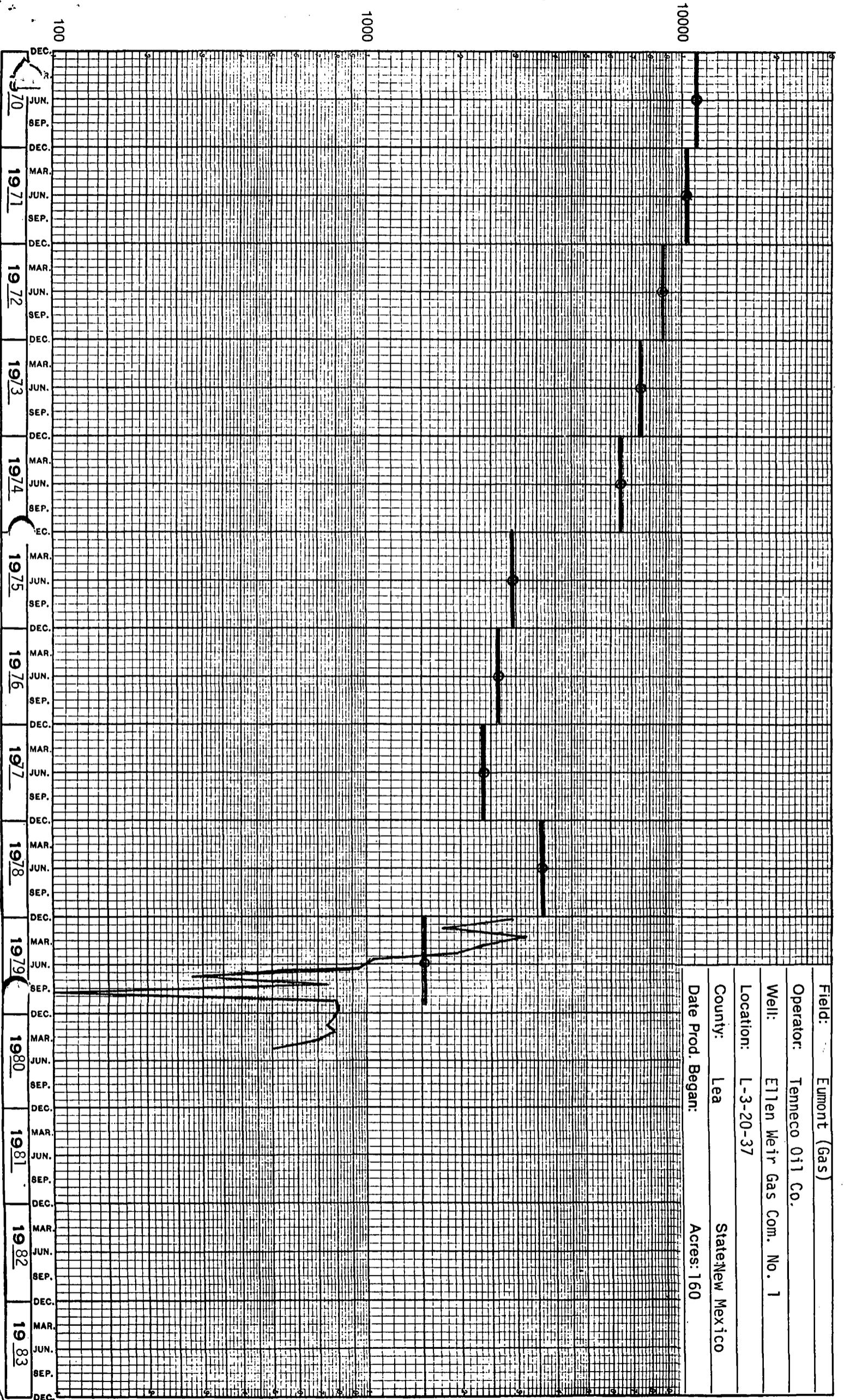
Jan.	<u>796</u>	July	_____
Feb.	<u>756</u>	Aug.	_____
March	<u>792</u>	Sept.	_____
April	<u>682</u>	Oct.	_____
May	<u>508</u>	Nov.	_____
June	_____	Dec.	_____

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



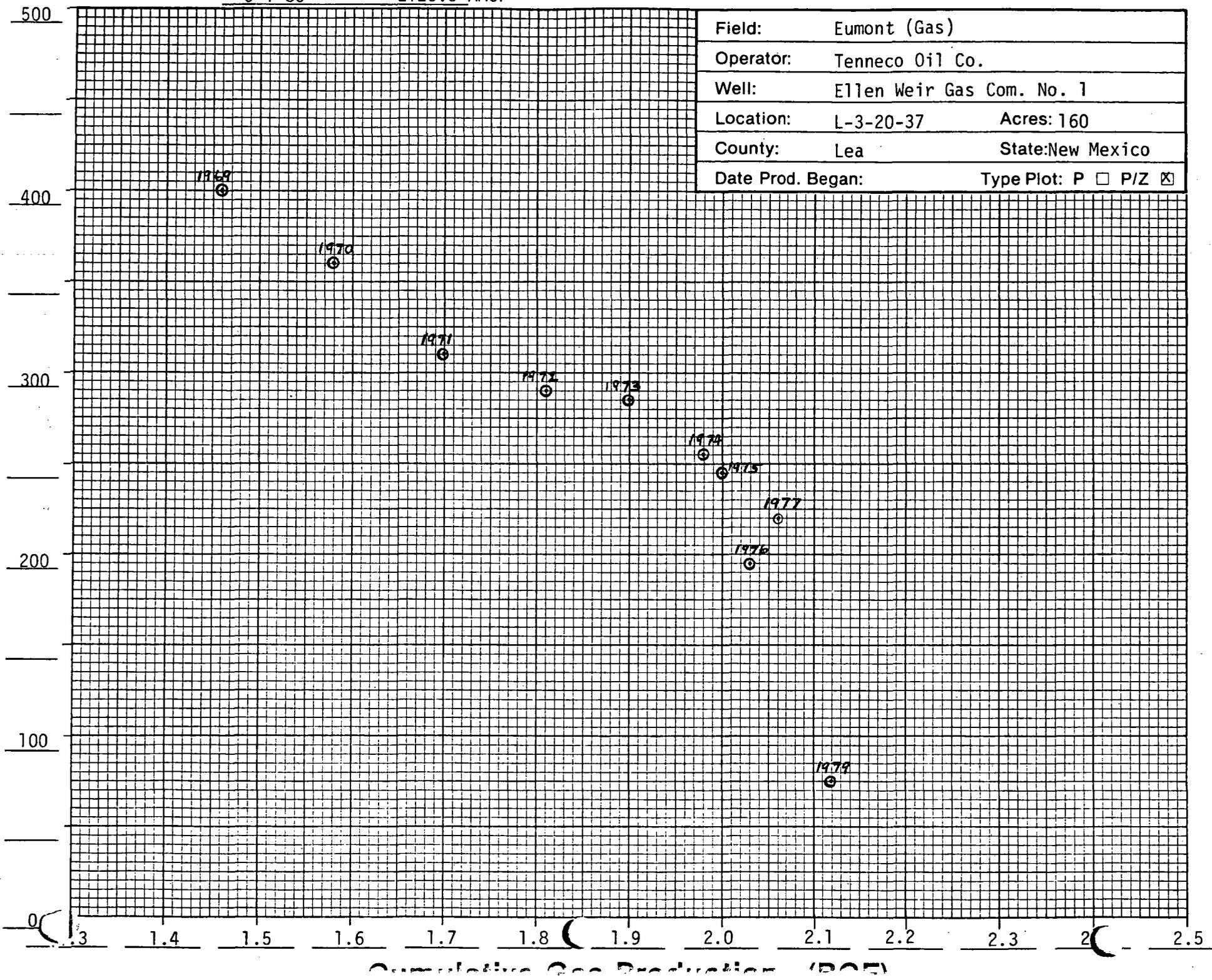
Field: Eumont (Gas)
 Operator: Tenneco Oil Co.
 Well: E11en Weir Gas Com. No. 1
 Location: L-3-20-37
 County: Lea State New Mexico
 Date Prod. Began: Acres: 160

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)



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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	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 OPNS. <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"/>	OTHER <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 28 1981

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

SIGNED *Anita Gray* TITLE Production Analyst DATE 12/4/81

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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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.)

6. OIL WELL GAS WELL OTHER

6. Name of Operator
Tenneco Oil Company

7. Unit Agreement Name

8. Farm or Lease Name
Ellen Weir Gas Com.

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

9. Well No.
1

10. Location of Well
IT LETTER L 2310 FEET FROM THE South LINE AND 330 FEET FROM

10. Field and Pool, or Wildcat
Eumont Queen Gas

11. Township and Range
West LINE, SECTION 3 TOWNSHIP 20 RANGE 37 NMPM.

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
2. PARTIALLY ABANDON
3. ALTER CASING
4. OTHER

5. PLUG AND ABANDON
6. CHANGE PLANS

7. REMEDIAL WORK
8. COMMENCE DRILLING OPNS.
9. CASING TEST AND CEMENT JOBS
10. OTHER

11. ALTERING CASING
12. PLUG AND ABANDONMENT

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

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 CIRC. 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 [Signature] TITLE SUPERVISOR DISTRICT 8 DATE JUL 6 1981

CONDITIONS OF APPROVAL, IF ANY

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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 CLEAN 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> <u>LINE AND</u> <u>330</u> FEET FROM THE <u>West</u> <u>LINE, SECTION</u> <u>3</u> <u>TOWNSHIP</u> <u>20</u> <u>RANGE</u> <u>37</u> <u>N.M.P.M.</u>	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:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER

PLUG AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOBS

OTHER

ALTERING CASING

PLUG AND ABANDONMENT

Shut-in

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.

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 7-14-80

APPROVED BY Juan Kuyan TITLE Geologist DATE JUL 21 1980

CONDITIONS OF APPROVAL, IF ANY:

Expires 7/21/8

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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 GAS WELL 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 L 2310 FEET FROM THE South LINE AND 330 FEET FROM
1980 FEET FROM THE West LINE, SECTION 3 TOWNSHIP 20 RANGE 37 NMPM.

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

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

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

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

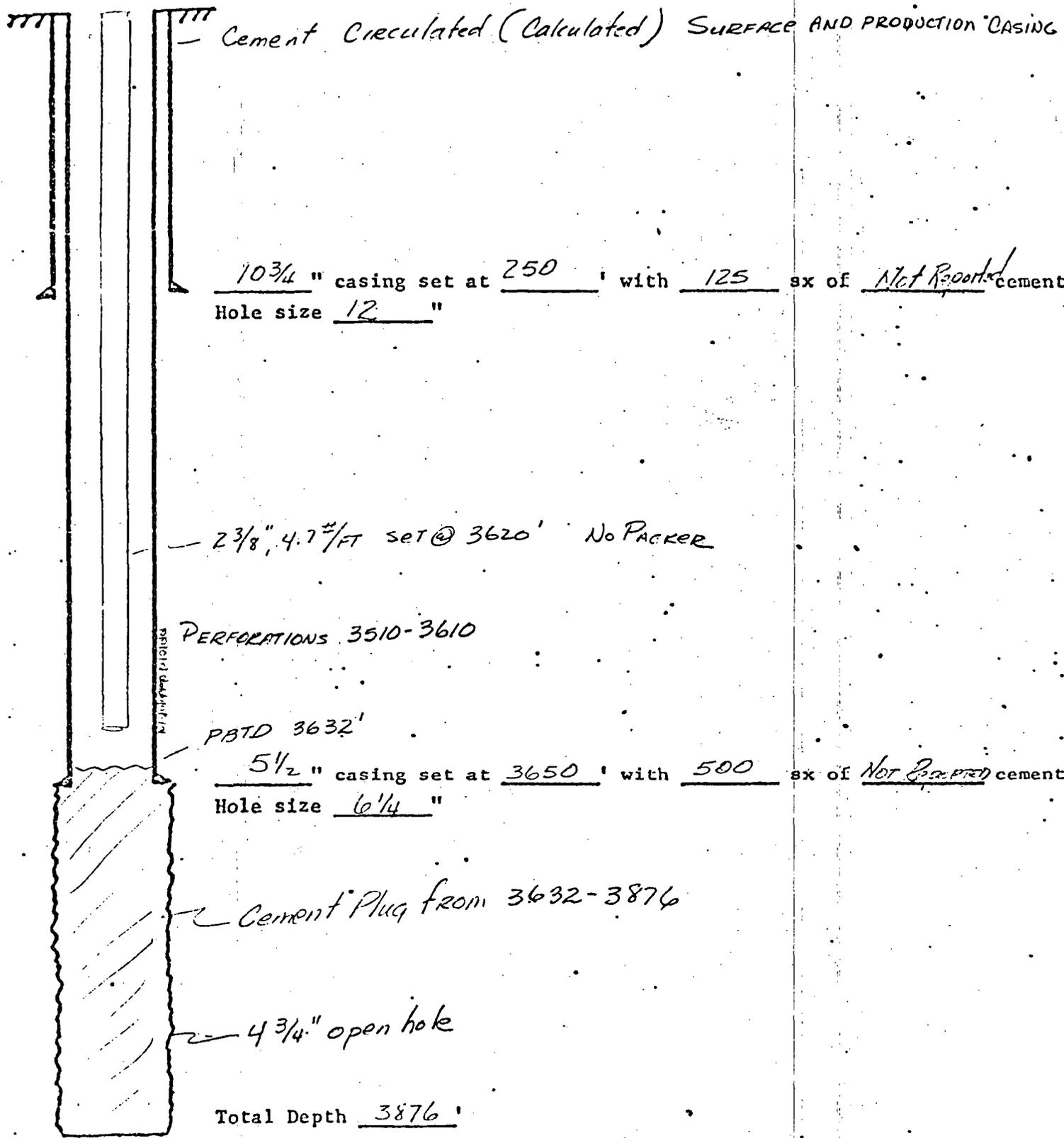
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Mary Hall TITLE PRODUCTION ANALYST DATE 4/11/80

Orig. Signed by Jerry Sexton
APPROVED BY Dick L. Supp TITLE _____ DATE APR 15 1980

CONDITIONS OF APPROVAL, IF ANY:

FIELD EUMENT QUEEN (G)	OPERATOR TENNECO OIL	DATE 4-28-76
LEASE Ellen Weir Gas Com	WELL NO. 1	LOCATION L 3 205 37E



Cement Circulated (Calculated) SURFACE AND PRODUCTION CASING

10 3/4" casing set at 250' with 125 sk of Not Reported cement
Hole size 12"

2 3/8", 4.7#/FT set @ 3620' No Packer

PERFORATIONS 3510-3610

PBTD 3632'
5 1/2" casing set at 3650' with 500 sk of Not Reported cement
Hole size 6 1/4"

Cement Plug from 3632-3876

4 3/4" open hole

Total Depth 3876'

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	GAS
INFORMATION 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 Coastal	Well No. 1
Unit Letter L	Section 3	Township 20-S	Range 37-R	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	Address (give address to which approved copy of this form is to be sent)
Northern Natural Gas	1-1-61	Box 2376, Hobbs, New Mexico

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

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

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

Remarks

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 <i>R. O. Bowers</i>
Approved by <i>[Signature]</i>		R. O. Bowers
Title <i>[Signature]</i>		District Office Supervisor
Date		Tenneco Oil Company
		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 No

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

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

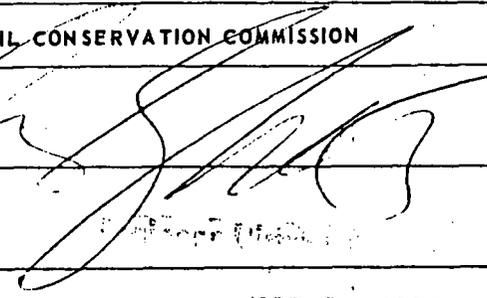
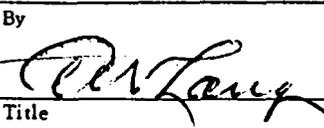
REASON(S) FOR FILING (please check proper box)

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

Remarks
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 day of MAR 1 19 .

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

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TRANSPORTER	OIL
	GAS
OPERATION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

FORM C-110
(Rev. 7-60)

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

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 or condensate : **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 or dry gas : **Northern Natural Gas** 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**

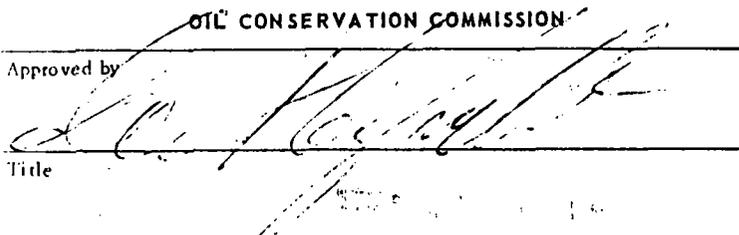
If gas is not being sold, give reasons and also explain its present disposition: _____

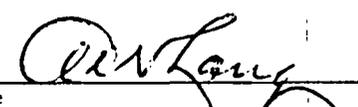
REASON(S) FOR FILING (please check proper box)

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

Remarks: **Change 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**.

Approved by: 
Title: _____
Date: _____

By:  **A. W. Lang**
Title: **District Production Superintendent**
Company: **Tennessee Gas Transmission Company**
Address: **Box 307, Hobbs, New Mexico**

NEW MEXICO OIL CONSERVATION COMMISSION

Obtain Hobbs

MAIN OFFICE OCC

HOBBS OFFICE OCC

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

1953 OCT 4 AM 10:02
OCT 22 AM 10:22

Pool Lumont Formation Queen County Lea

Initial _____ Annual X Special _____ Date of Test 9/3/56

Company Tennessee Gas Transmission Co. Lease Ellen Veir Well No. 1

Unit L 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 3610

Tubing 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. 13.2

Producing 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) ² (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	
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)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	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.
 Specific Gravity Separator Gas _____
 ravity of Liquid Hydrocarbons _____ deg.
 Specific Gravity Flowing Fluid _____
 c 1.312 (1-e^{-s}) 0.150 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.	793.9	631.5	2.294	5.262	0.7893	615.3	160.5	784.4	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 0.52

COMPANY Permian Basin Pipe Line Company

ADDRESS Hobbs, New Mexico

AGENT and TITLE R. L. West, Gas Engineer

WITNESSED _____

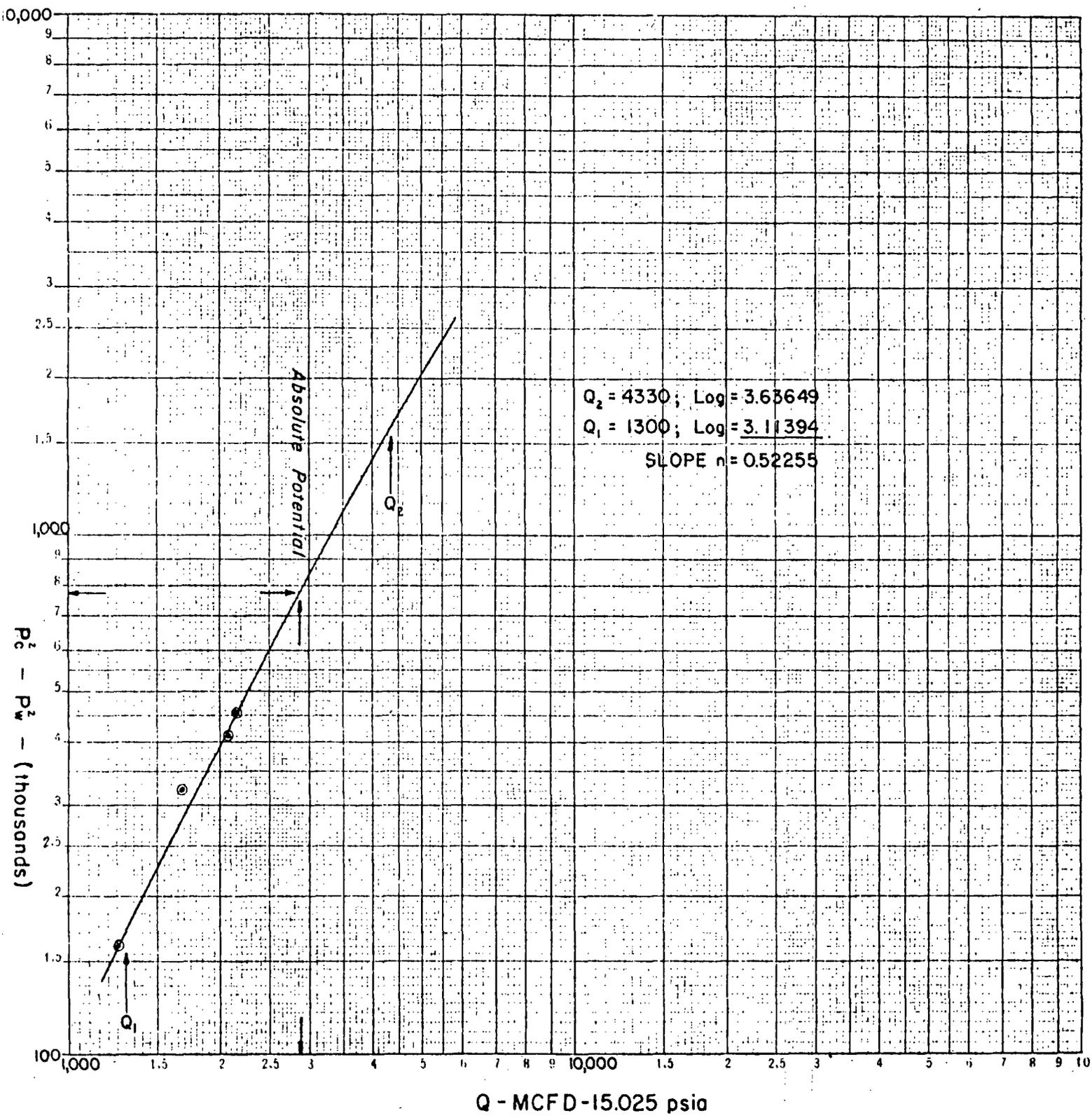
COMPANY _____

REMARKS

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

6

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 initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPPLICATE 1955 APR 18 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 **9**, T **20S**, R **87E**, 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 -I 3-20-37
Lease and Well No. S.T.R.

1. And a 160 acre allowable will be assigned in the Sumont
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 HOBBBS OFFICE OCC

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 1837, Hobbs, New Mexico** **Midland, Texas**

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**

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

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)
W. 1, 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 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: *S. J. Stanley*
Title

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

Title **Unit Operator**
Send Communications regarding well to:

Name **J. H. Moore**

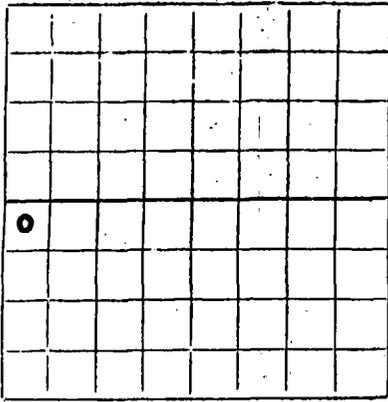
Address **Box 1587, Hobbs, New Mexico**

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECOMPLETION

WELL RECORD



AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

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

J. HIRAM MOORE

Geologist

Hobbs, New Mexico

November 17, 1954

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

Attention: Mr. W. B. Nacey

Re: Request for Non-standard Proration Unit
Eumont Gas Pool - SW $\frac{1}{4}$ 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 $\frac{1}{4}$ 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

JHN:mw
cc: Tennessee Prod. Co.
John Barnett
Ernest A. Hanson
Carper Drilling Co., Inc.

By: J. Hiram Moore,
Unit Operator

NEW MEXICO Gas Well Plat
OIL CONSERVATION COMMISSION

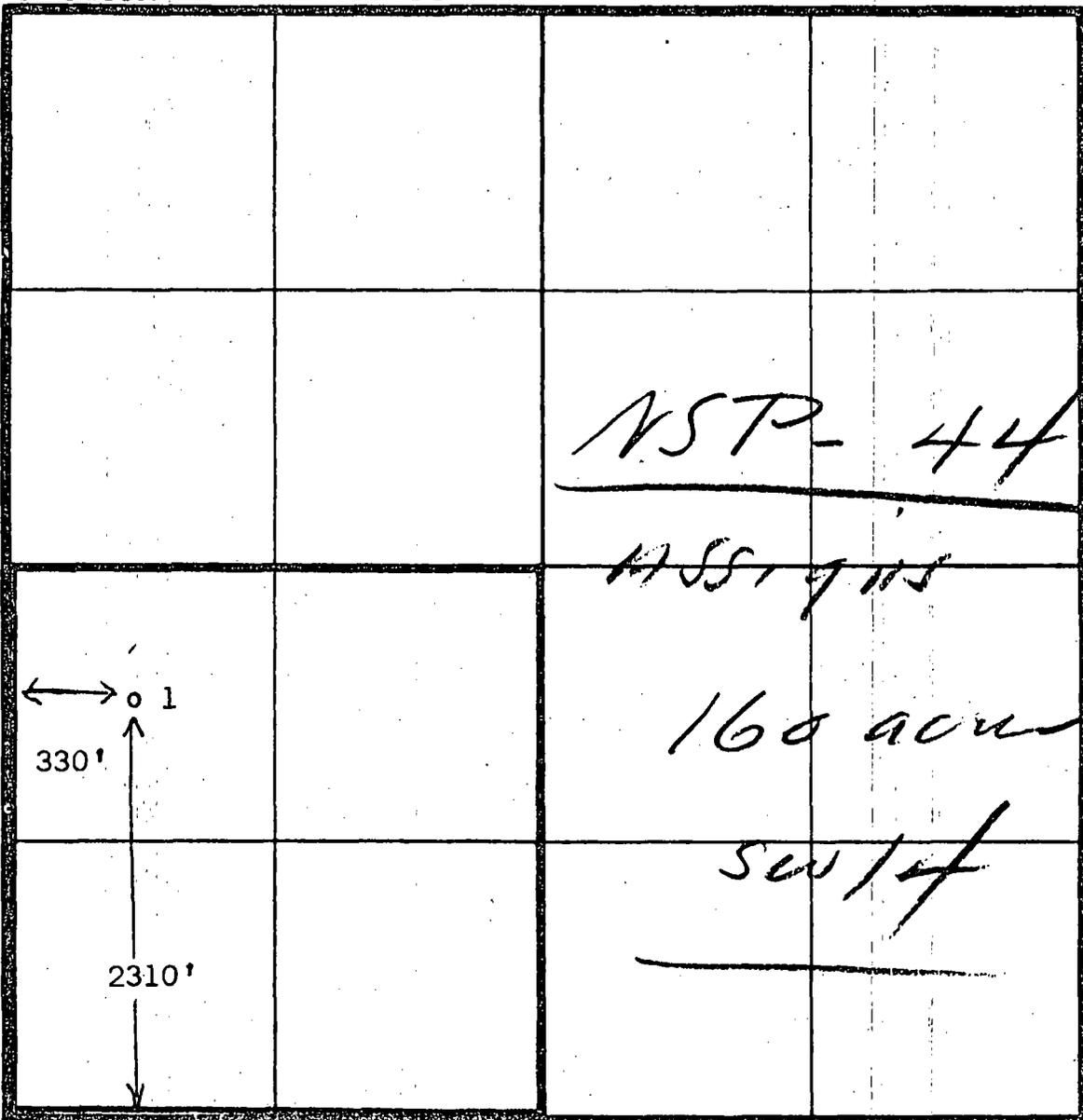
Date Nov. 17, 1954

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)

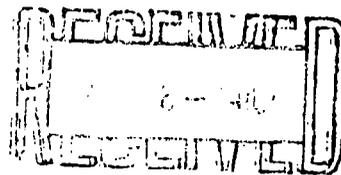
INSTRUCTIONS

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

6-7-42

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, Ellen Weir Well No. 1 in the
Company or Operator Lease

NW SW of Sec. 3, T. 20, R. 37, N. M. P. M.,
Eunice 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 ~~not~~ (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 Name R.P. Coats Drilling Co. Company Owner Title

Subscribed and sworn to before me this 7

day of May, 1942

[Signature] Notary Public

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

Name R.P. Coats

Position Contractor

Representing Geo. McGarr Company or Operator

My Commission expires Dec 17, 1944

Address Box 1773, Midland, Texas

Remarks:

[Signature] Name Roy Garbrough OIL & GAS INSPECTOR Title

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
MAY 8 - 1942
AGENT
HOBBS OFFICE

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
Company or Operator License
NW SW 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~~) 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** **R P Coats Drilling Co.** Owner
Name Company Title

Subscribed and sworn to before me this **7**
day of **May**, 19 **42**.

H F Nelson
Notary Public

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**

My Commission expires **Dec 17, 1944**

Remarks:

Ray Garbrough
Name
OIL & GAS INSPECTION
Title

NEW MEXICO OIL CONSERVATION COMMISSION

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

Santa Fe, New Mexico

RECEIVED
MAY 16 1942
REGISTERED
OFFICE

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

G. M. McGarr P. O. Box 92, Midland

Company or Operator Weir, et al Address
Well No. A-1 in NW 1/4 of SW 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

 Notary Public

HOBBBS, N.M. MAY 15, 1942
 Name E. M. McEary
 Position Owner
 Representing _____
 Company or Operator
 Address Midland, Texas

My Commission expires Dec. 17, 1944

Box 70 Midland Texas

FORMATION RECORD

FIELD NO. 11004

FROM	TO	THICKNESS IN FEET	FORMATION		
0	100	100	Sand and Caliche	36.363	36.363
100	210	110	Sand Gravel		
210	300	90	Red Bed		
300	540	240	Red Rock & Shells		
540	854	314	Red Bed & Shells		
854	1050	196	Red Bed and Red Rock		36.363
1050	1061	11	Sand & Shell	36.363	
1061	1200	139	Sand Shale & Shells		
1200	1273	73	Red Rock & Anhydrite Shells		
1273	1322	49	Anhydrite		
1322	1387	65	Anhydrite		
1387	1585	198	Salt & Anhydrite Shells		
1585	1785	200	Salt Streaks & Anhydrite		
1785	1954	169	Salt, Anhydrite Streaks		
1954	2120	226	Salt & Anhydrite Shells		
2120	2315	195	Salt & Anhydrite		
2315	2327	12	Anhydrite		
2327	2478	151	Salt & Potash		
2478	2482	4	Anhydrite		
2482	2535	53	Anhydrite & Gyp		
2535	2654	119	Anhydrite & Gyp		
2654	2817	163	Anhydrite & Gyp		
2817	2860	43	Anhydrite		
2860	2891	31	Anhydrite		
2891	2926	35	Anhydrite & Gyp (Lime Shells)		
2926	2980	54	Anhydrite Gyp		
2980	3005	25	Anhydrite		
3005	3185	180	Anhydrite & Gyp		
3185	3200	15	Anhydrite & Lime Stringers		
3200	3230	30	Anhydrite & Lime		
3230	3265	35	Broken Lime & Anhydrite		
3265	3290	25	Lime & Anhydrite streaks		
3290	3392	102	Anhydrite & Lime Shells		
3392	3537	145	Lime (Showing of Gas 3510 to 3520)		
3537	3555	18	Brown Sandy Lime		
3555	3570	15	Hard Brown Lime		
3570	3592	22	Brown Sandy Lime		
3592	3640	48	Broken Lime		
3640	3650	10	Lime (Hard)		
3650	3672	22	Lime		
3672	3687	15	Lime (Hard)		
3687	3841	154	Lime		
3841	3860	19	Lime, broken (Coring)		
3860	3878T.D.	18	Lime, Soft		

DEPTH	TEMPERATURE	WIND	WAVE	SEA	WIND	TEMPERATURE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
MAY 8 - 1942
HOBBS OFFICE

DUPLICATE

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

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

Geo. McGraw Company or Operator
Ellen Weir Lease 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 5 1/2" 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.

Approved _____, 19 _____
except as follows:

Geo. McGraw Company or Operator
By R. P. Coats
Position Contractor
Send communications regarding well to

OIL CONSERVATION COMMISSION,
By Roy Yarbrough
Title OIL & GAS INSPECTOR

Name R. P. Coats
Address 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. ~~McGraw~~ *McGraw* 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. ~~McGraw~~ *McGraw*
Company of Operator

By *J.P. Boat*

Position Contractor

Send communications regarding well to

Name Box 1773, Midland, Texas

Address

OIL CONSERVATION COMMISSION,

By *Roy Garbrough*

Title OIL & GAS INSPECTOR

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

APR 13 1942
RECEIVED
HOBBBS OFFICE

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

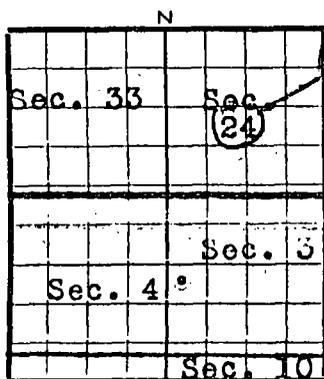
Midland, Texas April 2, 1942
PLACE DATE

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

Gentlemen:

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

G. M. McGarr Weir, et al Well No. 1-A in NW 1/4 of SW 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.) (S.) of the south line and 330 feet (E.) (W.) of the West line of Section 3.

(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-USED	DEPTH	LANDED OR CEMENTED	SACKS CEMENT
12 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. McGarr
G. M. McGarr COMPANY OR OPERATOR

By.....

Position.....

Send communications regarding well to

Name G. M. McGarr

Address P O Box 92, Midland, Texas.

OIL CONSERVATION COMMISSION

By Roy Yarbrough
TITLE OIL & GAS INSPECTOR

30-025-27660

MEXICO OIL CONSERVATION COMMISSION

Form O-101
Revised 1-1-65

RECEIVED
DISTRIBUTION
CANYON
COUNTY
OFFICE
OPERATOR

5A. Indicate Type of Lease
STATE FEDERAL

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Name of Lease Tract
Ellen Weir

9. Well No.
1

10. Field and Loc. of Well Tract
Eumont (Gas)

11. Name of Operator
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

Operator
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

20. Formation Queen (Penrose)

21. Drilling Contractor Kenai

22. Approx. Date of Well Start November 27, 1981

23. Area (State whether DE, RI, etc.) 3549.7 G.L.

24. Field (State whether E, P, or Road) 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 BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Henry A. Norman Title Engineer Date November 23, 1981

(This space for State Use)

APPROVED BY [Signature] TITLE [Signature]

CONDITIONS OF APPROVAL, IF ANY:

DEC 1 1981

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

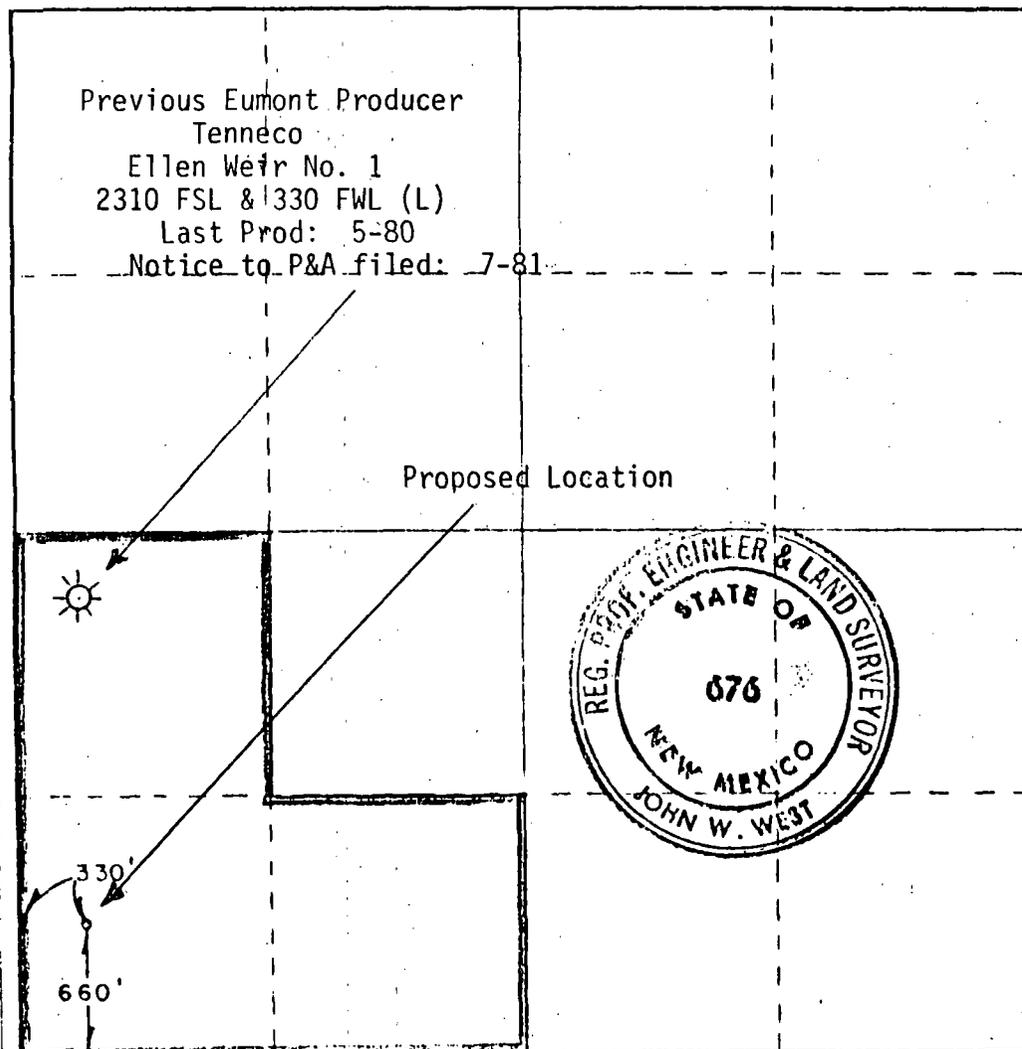
Owner DOYLE HARTMAN		Lease ELLEN WEIR		Well No. 1
Section Letter M	Section 3	Township 20 South	Range 37 East	County Lea

Approximate Location of Well:
660 feet from the **South** line and **330** feet from the **West** line
 Elevation: **3549.7**
 Producing Formation: **QUEEN (PENROSE)**
 Pool: **EUMONT (GAS)**
 Depth of Artifice: **120**

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **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 A. Ramsey*
 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 6468
Ronald J. Edgson 3239

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DATE	
BY	
LAND OFFICE	
OPERATOR	

SUMMARY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO ALTER OR PLUG HOLES TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO DRILL OR ALTER SUCH PROPOSALS.)

1. Type of Well: OIL WELL GAS WELL OTHER

2. Name of Operator: Doyle Hartman

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

4. Location of Well: UNIT LETTER M 660 FEET FROM THE South LINE AND 330 FEET FROM THE West LINE, SECTION 3 TOWNSHIP 20S RANGE 37E

4. Indicate Type of Lease: State Fed

5. State Oil & Gas Lease No. _____

7. Unit Agreement Name _____

8. Form of Lease Name _____

9. Well No. 1

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

11. County Lea

12. Production (Indicate whether DF, RI, GR, etc.) 3549.7 G.L.

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

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

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

Spudded well at 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.

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

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

APPROVED BY Jerry Sexton DATE DEC 15 1981

CONDITIONS OF APPROVAL, IF ANY:



BUREAU OF LAND MANAGEMENT

P. O. BOX 2008

MIDLAND, TEXAS 79701

SUMMARY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR A WELL THAT IS NOT A PERMIT WELL OR A WELL THAT IS NOT A PERMIT WELL. USE THIS FORM FOR A PERMIT WELL OR A WELL THAT IS NOT A PERMIT WELL.

ON STATE BY STATE OTHER

Name of Operator

Doyle Hartman

Address of Operator

P. O. Box 10426, Midland, Texas 79702

Location of Well

UNIT LETTER **M** **660** FEET FROM THE **South** LINE AND **330** FEET FROM THE **West** **3** TOWNSHIP **20S** RANGE **37E**

15. Depth (Give section DE, RT, GR, etc.)

3549.7 G.L.

1. State Oil & Gas Lease No. 2. Well No.

3. Well Agreement Date

4. Term or Lease Date

5. Well No.

6. Well No.

7. Well No.

8. Well No.

9. Well No.

10. Well No.

11. Well No.

Check appropriate box to indicate nature of notice, report or other data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

RESPONSE REMEDIAL WORK PLUG AND ABANDON
 TEMPORARILY ABANDON CHANGE PLANS
 FULL OR ALTER CASING OTHER

REMEDIAL WORK ALTERING CASING
 COMMENCE DRILLING OPER. PLUG AND REPERFORATION
 CASING TEST AND CEMENT JOBS
 OTHER

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

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

DATE

CONDITIONS OF APPROVAL, IF ANY:

DEC 18 1981

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form O-101
Revised 1-19-81

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DATE	
BY	
OPERATOR	

34. Indicate Type of Lease
 State Federal
 5. State Oil & Gas Lease No.

SUPPLY NOTICES AND REPORTS ON WELLS

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

OIL WELL GAS WELL OTHER _____
 Name of Operator
Doyle Hartman
 Address of Operator
P. O. Box 10426, Midland, Texas 79702
 Location of Well
 UNIT LETTER **M** **660** FEET FROM THE **South** LINE AND **330** FEET FROM
 THE **West** LINE, SECTION **3** TOWNSHIP **20S** RANGE **37E**

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

13. Estimation (Show whether DF, RT, GR, etc.)
3549.7 G.L.

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

NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

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

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 Michelle Hernandez TITLE Administrative Assistant DATE JAN 4 1982

Orig. Signed By
 Jerry Sexton

DEC 31 1981

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Well File

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

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FILE	
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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

Operator **Doyle Hartman**

Address **P. O. Box 10426 Midland, Texas 79702**

Reason(s) for filing (Check proper box)

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

Other (Please explain)

If change of ownership give name and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Ellen Weir	1	Eumont (Gas)	State, Federal or Fee	Fee

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?	When
					No	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 Resv.	Diff. Resv.
		XX	XX					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
12-03-81	12-22-81	3950	3945
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
3549.7 GL	Queen (Penrose)	3507	3520
Perforations			Depth Casing Shoe
3507-3662 (Penrose)			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 (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
12-23-81	24 hours	-----	-----
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
Orifice Tester	82	(260)	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
(Signature)
Engineer
(Title)
December 23, 1981
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19 _____

BY _____

TITLE _____

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

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

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

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

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 U.S.G.S.
 LAND OFFICE
 OPERATOR

Form O-105
 Revised 10-79

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

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

1a. TYPE OF WELL
 OIL WELL GAS WELL DRY OTHER _____
 b. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESERV. OTHER _____

7. Well Agreement Name
 8. Form or Lease Name
 Ellen Weir

2. Name of Operator
 Doyle Hartman

9. Well No.
 1

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

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

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. Date T.D. Drilled 12-12-81 17. Date Sample (Ready to Prod.) 12-22-81 18. Flowstation (DL, RKB, RT, GR, etc.) 3549.7 GL 19. Elev. of Wellhead 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. Problems, Intervals(s), of this completion - Top, Bottom, Name 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 Cored No

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

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

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

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	AMOUNT AND KIND MATERIAL USED
3507-3662	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 Flowing Per Test Period ----- Oil - Bbl. --- Gas - MCF 154 Water - Bbl. --- Gas - Oil Ratio ---
 Flowing Pressure 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 DEC 30 1981
 SIGNED Larry G. Nenniger 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 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 casing. 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 Qtzte _____
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	

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
F. My De Emer

4. DATE OF DELIVERY

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

weir

GPO : 1979-288-848

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

POSTAGE \$ **.37**

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

PS Form 3800, Apr. 1976

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..... **102¢**
 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
F. My De Emer

4. DATE OF DELIVERY **11-25-81** POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

weir

GPO : 1979-288-848

PS Form 3800, Apr. 1976

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

POSTAGE \$ **.37**

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

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

P11 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