

**From:** [Comiskey, Cody](#)  
**To:** [Nate Alleman](#)  
**Subject:** RE: Old Chevron Water Well Records  
**Date:** Thursday, July 13, 2023 7:09:14 AM  
**Attachments:** [image001.png](#)

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**Nate – I have not been able to follow up. Apologies.**

**Cody Comiskey**  
**Earth Science Advisor**

**1400 Smith St**  
**Houston, TX 77002**  
**Email: [cody.comiskey@chevron.com](mailto:cody.comiskey@chevron.com)**  
**(806)-544-3161**



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**From:** Nate Alleman <nate.alleman@aceadvisors.com>  
**Sent:** Tuesday, July 11, 2023 07:55  
**To:** Comiskey, Cody <cody.comiskey@chevron.com>  
**Subject:** [**\*\*EXTERNAL\*\***] RE: Old Chevron Water Well Records

**Be aware this external email contains an attachment and/or link.**

Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button.

Hey Cody, just wanted to follow up and see if you'd gotten any traction or leads on the inquiry into the water well data?

Thanks again for looking into this!

**Nate Alleman**

Owner – Chief Regulatory Advisor  
Ace Energy Advisors  
E. [nate.alleman@aceadvisors.com](mailto:nate.alleman@aceadvisors.com)  
C. 918.237.0559

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**From:** Nate Alleman  
**Sent:** Friday, July 7, 2023 7:21 AM  
**To:** Comiskey, Cody <[cody.comiskey@chevron.com](mailto:cody.comiskey@chevron.com)>  
**Subject:** RE: Old Chevron Water Well Records

Thanks Cody! I appreciate the note, as well as the response to this inquiry.

We suspected record retention was not likely; however, we needed to be able to tell OCD that we

gave it our best effort.

If you hear anything back, please let me know! And, if there's anything I might be able to do to support Chevron from a regulatory perspective, please don't hesitate to reach out!

Take care!

## Nate Alleman

Owner - Chief Regulatory Advisor

Ace Energy Advisors

E. [nate.alleman@aceadvisors.com](mailto:nate.alleman@aceadvisors.com)

C. 918.237.0559

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**From:** Comiskey, Cody <[cody.comiskey@chevron.com](mailto:cody.comiskey@chevron.com)>

**Sent:** Friday, July 7, 2023 7:19 AM

**To:** Nate Alleman <[nate.alleman@aceadvisors.com](mailto:nate.alleman@aceadvisors.com)>

**Subject:** RE: Old Chevron Water Well Records

**Nate, hope you are doing well and congrats on the new move.**

**I reached out to our regulatory team in NM and we have divested these assets. Retention of records unlikely given the timeline.**

**Wish I could be more luck.**

**Thanks Nate.**

**Cody Comiskey  
Earth Science Advisor**

**1400 Smith St**

**Houston, TX 77002**

**Email: [cody.comiskey@chevron.com](mailto:cody.comiskey@chevron.com)**

**(806)-544-3161**

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**From:** Nate Alleman <[nate.alleman@aceadvisors.com](mailto:nate.alleman@aceadvisors.com)>

**Sent:** Thursday, July 6, 2023 15:25

**To:** Comiskey, Cody <[cody.comiskey@chevron.com](mailto:cody.comiskey@chevron.com)>

**Subject:** **[\*\*EXTERNAL\*\*]** Old Chevron Water Well Records

**Be aware this external email contains an attachment and/or link.**

Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button.

Cody,



I'm working for a client in New Mexico and they've been asked by to find and supply water depth and quality information (water quality analysis) related to two water wells that originally belonged to Chevron (CP 00696 POD1 and CP 00693 POD1). Well records indicate that these wells were originally used as water supply wells for an EOR project and were named by Chevron as EMSU #460 and EMSU #462.

POD Summaries from the OSE are attached for reference.

Do you know if Chevron retained, or would have ever had, records of the water depth or quality for these wells? If so, do you know where we could find them or who I might talk to in order to track it down?

Thanks in advance for any help you're able to provide!

## **Nate Alleman**

Owner - Chief Regulatory Advisor  
Ace Energy Advisors  
E. [nate.alleman@aceadvisors.com](mailto:nate.alleman@aceadvisors.com)  
C. 918.237.0559

**From:** [Sandlin, Jesse](#)  
**To:** [Nate Alleman](#)  
**Subject:** RE: Chevron Water Well Records - NM  
**Date:** Tuesday, July 11, 2023 8:10:54 AM

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Hey Nate – still digging a bit – I’m on the corporate methane team right now, but was with the Colorado business unit before, but I need to find the right person within our New Mexico/West Texas business area.

Jesse

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**From:** Nate Alleman <nate.alleman@aceadvisors.com>  
**Sent:** Tuesday, July 11, 2023 6:55 AM  
**To:** Sandlin, Jesse <jesse.sandlin@chevron.com>  
**Subject:** [\*\*EXTERNAL\*\*] RE: Chevron Water Well Records - NM

**Be aware this external email contains an attachment and/or link.**  
Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button.

Jesse,

just wanted to follow up and see if you’d gotten any traction or leads on the inquiry into the water well data?

Thanks again for looking into this!

## Nate Alleman

Owner – Chief Regulatory Advisor  
Ace Energy Advisors  
E. [nate.alleman@aceadvisors.com](mailto:nate.alleman@aceadvisors.com)  
C. 918.237.0559

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**From:** Nate Alleman  
**Sent:** Thursday, July 6, 2023 4:55 PM  
**To:** [Jesse.Sandlin@chevron.com](mailto:Jesse.Sandlin@chevron.com)  
**Subject:** Chevron Water Well Records - NM

Jesse,

I’m working for a client in New Mexico and they’ve been asked by to find and supply water depth and quality information (water quality analysis) related to two water wells that originally belonged to Chevron (CP 00696 POD1 and CP 00693 POD1). Well records indicate that these wells were originally used as water supply wells for an EOR project and were named by Chevron as EMSU #460 and EMSU #462.

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Do you know if Chevron retained, or would have ever had, records of the water depth or quality for these wells? If so, do you know where we could find them or who I might talk to in order to track it down?

Thanks in advance for any help you're able to provide!

## **Nate Alleman**

Owner - Chief Regulatory Advisor

Ace Energy Advisors

E. [nate.alleman@aceadvisors.com](mailto:nate.alleman@aceadvisors.com)

C. 918.237.0559

**From:** [Nate Alleman](#)  
**To:** [mike.milliorn@chevron.com](mailto:mike.milliorn@chevron.com); [jennifer.vancuren@chevron.com](mailto:jennifer.vancuren@chevron.com); [leland.stafford@chevron.com](mailto:leland.stafford@chevron.com)  
**Subject:** Old Chevron Water Well Records  
**Date:** Thursday, July 6, 2023 4:31:00 PM  
**Attachments:** [CP 00693 POD1 - Point of Diversion Summary.pdf](#)  
[CP 00696 POD1 - Point of Diversion Summary.pdf](#)

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Chevron Team,

I'm working for a client in New Mexico and they've been asked by to find and supply water depth and quality information (water quality analysis) related to two water wells that originally belonged to Chevron (CP 00696 POD1 and CP 00693 POD1). Well records indicate that these wells were originally used as water supply wells for an EOR project and were named by Chevron as EMSU #460 and EMSU #462.

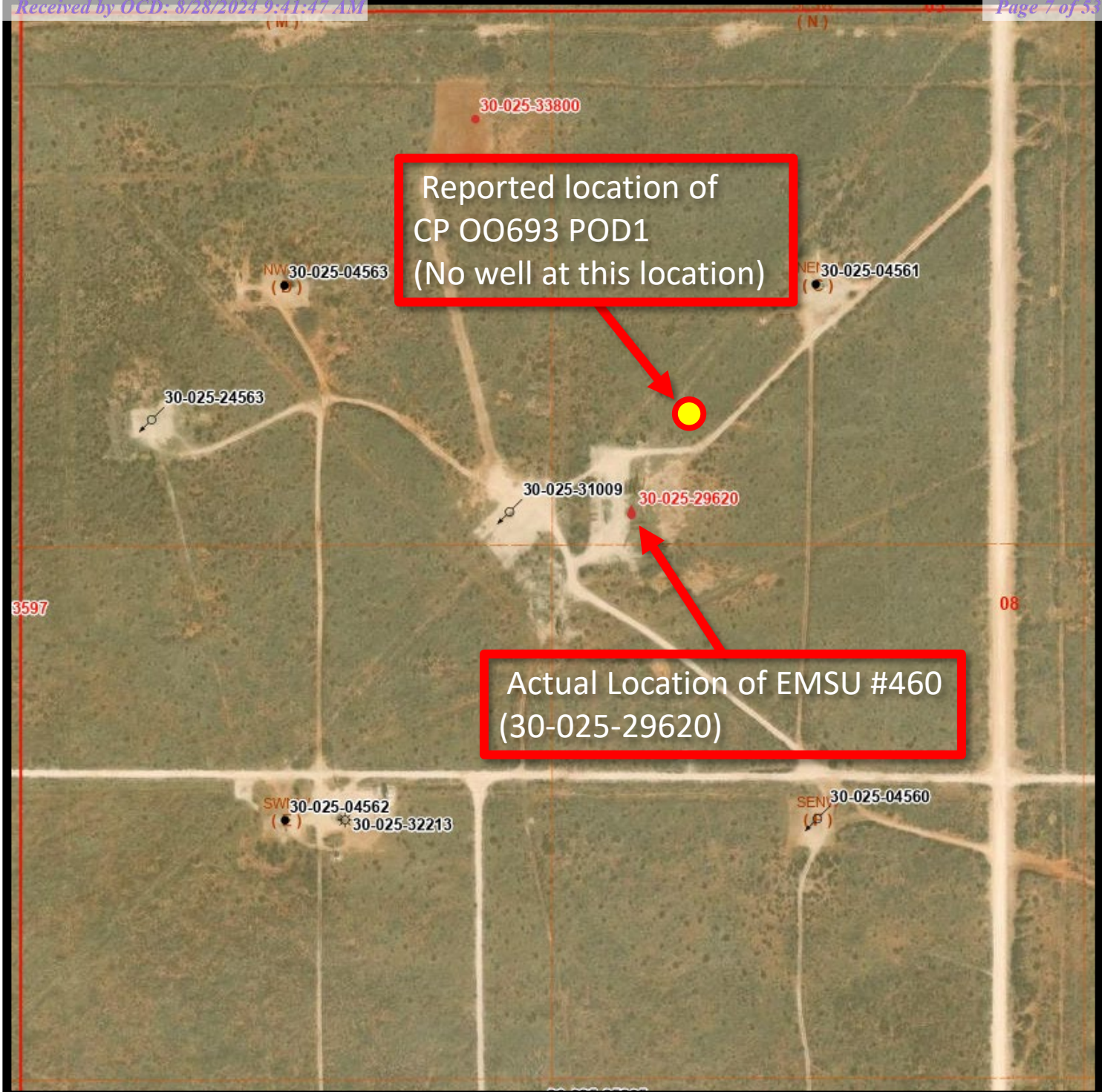
POD Summaries from the OSE are attached for reference.

Do you know if Chevron retained, or would have ever had, records of the water depth or quality for these wells? If so, do you know where we could find them or who I might talk to in order to track it down?

Thanks in advance for any help you're able to provide!

**Nate Alleman**

Owner - Chief Regulatory Advisor  
Ace Energy Advisors  
E. [nate.alleman@aceadvisors.com](mailto:nate.alleman@aceadvisors.com)  
C. 918.237.0559



### NW qtr. of Section 8 – 21S – 36E

Ernie Banks SWD 30-025 50633 D 17 21S 36E

Case no. 21570  
Order no. R-22027

Findings of the Division Item 7 and II. Special Conditions  
Item 2.a Provide a wellbore diagram for CP 00693 POD1.

There is no fresh water well at this location. An EOR saline aquifer water supply well, 30-025-29620, named the Chevron EMSU # 460 was drilled. A well bore diagram for the EMSU # 460 is provided.

Released to Imaging: 8/28/2024 9:44:16 AM



5910 N. CENTRAL EXPWY SUITE 800 | DALLAS, TX 75206



IMPORTANT-READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

NOTICE OF INTENTION

TO DRILL OR RECOMPLETE A WELL PURSUANT TO CHAPTER 86 OF THE SESSION LAWS OF 1967

CAPITAN

Basin Name

File No. CP-693 Date Received February 3, 1986

1. Name of Appropriator Chevron U.S.A. Inc.

Mailing Address P.O. Box 670

City and State Hobbs, NM 88240

2. Source of water supply (aquifer) San Andres at a depth of 4000-5000 feet  
located in the Capitan Underground Water Basin.

3. Quantity of water to be appropriated 565 acre feet per annum.

4. Purpose of use: Reinject for secondary oil recovery in the Eunice Monument South Unit.

5. Description of well: Eunice Mounment South Unit #460  
1220' FNL & 1520' FWL

(a) Location: NE 1/4 NW 1/4 Section 8 Township 21S Range 36E N.M.P.M.,  
on land owned by Millard Deck Estate

(b) Depth to be drilled or recompleted 5000' feet.

(c) Driller: Not Available

(d) Date work is to be commenced: Upon Application Approval

(e) Proposed casing and cementing program:

Hole Size	Casing				Perforations		Top Cement
	Diameter	Weight	From	To	From	To	
20"	16"	65#	0	400			Surface
14 3/4"	11 3/4"	47#	0	2800			Surface
10 5/8"	8 5/8"	32#	0	5000	4200	5000	2800

6. If appropriation is to be for waterflooding purposes, give date Oil Conservation Commission approved application to water flood December 27, 1984

7. Additional statements or explanations (including data on any other water right appurtenant to same use as proposed herein)

I, P.H. Briley, Jr.

, affirm that the foregoing statements are true to the best of my knowledge and belief.

Chevron U.S.A. Inc.

, Appropriator

By: P.H. Briley, Jr.

\*A-5 → Amended according to affidavit received  
on August 21, 28 & September 4, 1988

## INSTRUCTIONS

1. Notice of Intention shall be completed in triplicate and filed with a \$5.00 filing fee to the appropriate office of the State Engineer. A separate form shall be completed and separate filing fee submitted for each well to be drilled or re-completed.
2. The driller of the well must be a driller licensed and bonded by the State Engineer under New Mexico Statutes 75-11-13 through 75-11-18. It shall be the responsibility of the driller to file a log of the well and the actual casing and cementing program from ground surface to the producing aquifer in the office of the State Engineer within 10 days after completion.
3. A totalizing meter approved by the State Engineer shall be installed on the discharge line before the first branch line prior to the appropriation of water, and pumping records for the three preceding calendar months and chemical analysis of the water produced on a date specified within said three month period shall be submitted to the District Supervisor on the 10th day of January, April, July and October of each year.
4. Volume of water must be expressed in acre feet: 1 acre foot equals 7,758 barrels; 1 barrel equals 42 gallons.

Correspondence should be addressed to the State Engineer at the appropriate office:

Rio Grande, Bluewater, Sandia and Estancia Basins,  
District No. 1, 505 Marquette, N.W., Room 1023,  
Albuquerque, New Mexico 87106.

Portales, Penasco,  
Capitan, Jari and Ft. Sumner Basins, District No. 2,  
Box 1717, Roswell, New Mexico 88201.

Mimbres, Hot Springs, Virgin, Arroyo, Animas, Playas,  
Gila-San Francisco, San Simon, Lordsburg and Nutt-Hockett  
Basins, District No. 3, Box 844, Deming, New Mexico 88030.



5F '91 DEC 10 AM 10 21

STATE ENGINEER OFFICE  
SANTA FE NEW MEXICO

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ  
STATE ENGINEER

ROSWELL

DISTRICT II  
1900 West Second St.  
Roswell, New Mexico 88201  
(505) 622-6521

December 9, 1991

Files: CP-693; CP-694; CP-695; CP-696; CP-697;  
CP-670 (NOTICES OF INTENTION)

Chevron U.S.A., Inc.  
c/o M. E. Atkins  
P. O. Box 670  
Hobbs, NM 88241

Gentlemen:

The State Engineer requires that quarterly reports of meter readings be submitted on or before the 10th of January, April, July and October. To date, the meter readings on the above numbered wells for the quarters ending in March, June, September and December, 1991 have not been received in this office.

It is important that these readings are submitted immediately and that future quarterly meter reports are submitted on time.

Yours very truly,

A handwritten signature in dark ink, appearing to read "Johnny R. Hernandez".

Johnny R. Hernandez  
Lea County Basin Supervisor

JRH/fh

cc: Santa Fe





STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ROSWELL

S. E. REYNOLDS  
STATE ENGINEER

DISTRICT II  
909 E. 2ND STREET  
P.O. BOX 1717  
ROSWELL, NEW MEXICO 88202

November 17, 1989

Files: CP-693; CP-694; CP-695; CP-696; CP-697;  
CP-670; CP-707 (NOTICES OF INTENTION)

Chevron U.S.A., Inc.  
c/o M. E. Akins  
P. O. Box 670  
Hobbs, NM 88241

Gentlemen:

The State Engineer requires that quarterly reports of meter readings be submitted on or before the 10th of January, April, July and October. To date, the meter readings on the above numbered wells for the quarter ending in September, 1989 have not been received in this office.

It is important that these readings are submitted immediately and that future quarterly meter reports are submitted on time.

Yours very truly,

Johnny R. Hernandez  
Lea County Basin Supervisor

JRH/fh  
cc: Santa Fe



**LEGAL NOTICE**  
August 21, 28,  
September 4, 1988

NOTICE IS HEREBY GIVEN BY CHEVRON U.S.A. INC. TO AMEND LEGAL NOTICE PUBLISHED IN THE HOBBS DAILY NEWS SUN ON JANUARY 20, 27, FEBRUARY 3, 1985 FOR NON POTABLE WATER SUPPLY WELL — EUNICE MONUMENT SOUTH UNIT #3 457. WELL LOCATION IS AMENDED TO BE SW 1/4, NE 1/4, SE 1/4, Sec 5 — T21S — R36E, LEA COUNTY, NEW MEXICO.

**LEGAL NOTICE**  
August 21, 28,  
September 4, 1988

NOTICE IS HEREBY GIVEN BY CHEVRON U.S.A. INC. TO AMEND LEGAL NOTICE PUBLISHED IN THE HOBBS DAILY NEWS SUN ON FEBRUARY 2, 9, 16, 1986 FOR NON POTABLE WATER SUPPLY WELL — EUNICE MONUMENT SOUTH UNIT #3 460. WELL LOCATION IS AMENDED TO BE SW 1/4, NE 1/4, NW 1/4, Sec 8 — T21S — R36E, LEA COUNTY, NEW MEXICO.

**LEGAL NOTICE**  
August 21, 28,  
September 4, 1988

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**LEGAL NOTICE**  
August 21, 28,  
September 4, 1988

NOTICE IS HEREBY GIVEN BY CHEVRON U.S.A. INC. TO AMEND LEGAL NOTICE PUBLISHED IN THE HOBBS DAILY NEWS

SUN ON FEBRUARY 2, 9, 16, 1986 FOR NON POTABLE WATER SUPPLY WELL — EUNICE MONUMENT SOUTH UNIT #459. WELL LOCATION IS AMENDED TO BE NW 1/4, NE 1/4, SE 1/4, SEC. 5 — T21S — R36E, LEA COUNTY, NEW MEXICO.

**LEGAL NOTICE**  
August 21, 28,  
September 4, 1988

NOTICE IS HEREBY GIVEN BY CHEVRON U.S.A. INC. TO AMEND LEGAL NOTICE PUBLISHED IN THE HOBBS DAILY NEWS SUN ON JANUARY 20, 27, FEBRUARY 3, 1985 FOR NON POTABLE WATER SUPPLY WELL — EUNICE MONUMENT SOUTH UNIT #3 457. WELL LOCATION IS AMENDED TO BE SW 1/4, NE 1/4, SE 1/4, Sec 5 — T21S — R36E, LEA COUNTY, NEW MEXICO.

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August 21, 28,  
September 4, 1988

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SUPPLY WELL — EUNICE MONUMENT SOUTH UNIT #459. WELL LOCATION IS AMENDED TO BE NW 1/4, NE 1/4, SE 1/4, SEC. 5 — T21S — R36E, LEA COUNTY, NEW MEXICO.

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**LEGAL NOTICE**

September 4, 11, 18, 1988  
Notice is hereby given by Chevron U.S.A. Inc. to amend legal notice published in the Hobbs Daily News-Sun on February 2, 9, 16, 1986 and August 21, 28, 1988 for non potable water supply well. Eunice Monument South Unit #459. Well location is amended to be Lot 2, Sec 5, T21S, R36E, Lea County, New Mexico.

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Lot 2  
Well location is amended to be Lot 2

Next 2 advertisement  
Will be changed to  
read Lot 2 Sec. 5-21S-36E

No  
change



*out of permitted area*

ROUTING SLIP

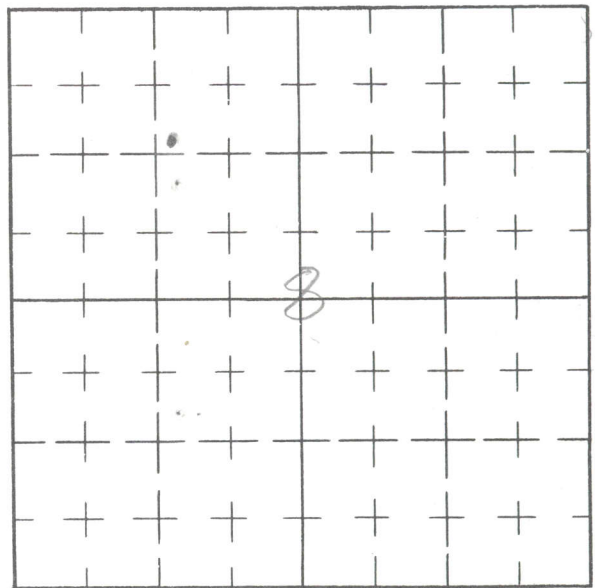
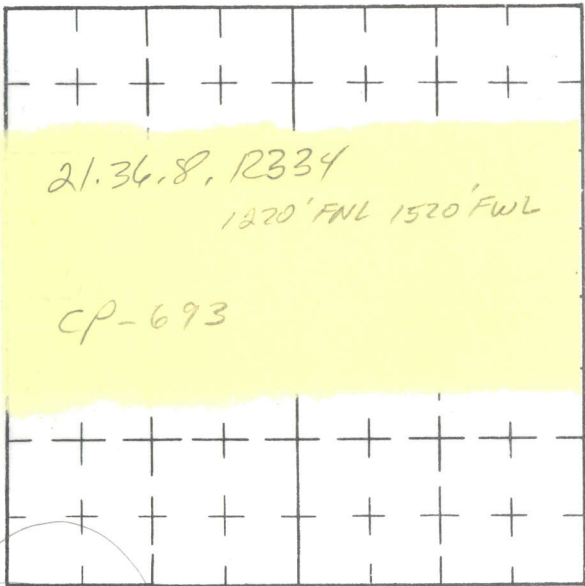
To: Field Supervisor (Basin) or (County) CAPITAN  
From: \_\_\_\_\_ Applicant CHEVRON U.S.A., INC.

Land Location \_\_\_\_\_

Field Check Requested For the Following Reasons Date: August 21, 1987

- Proof of Completion of Works..... ☒ XX
- Proof of Beneficial Use..... ☐
- Declaration..... ☐
- Extension of Time..... ☐
- Illegal Irrigation..... ☐
- Supplemental Well..... ☐
- Leakage Test..... ☐
- Cementing (water-oil)..... ☐
- Reduction from Irr. or Dom. .... ☐
- Pressure Test..... ☐
- Inspect Casing..... ☐
- Others WELL RECORD ..... ☒ XX

Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_



Old Well (plugged-retained-reduced)

REMARKS: NOTICE OF INTENTION FOR NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> 8-21-36

NOTE: WELL RECORD & PROOF SHOW LOCATION OF WELL AS SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> 8-21-36

*Amended Notice  
8/22/88  
OK*

*Permit NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>  
Footage & Field check (SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>  
1220' FWL & 1520' FWL*

*out of permitted area*

Date: 10-7-87 By: Mary J. Huns  
File No. CP-693 Location No. 21.36.8.12123

*.1230 12334  
Amended legal .123 ok*

FIELD REPORT FOR CEMENTING OF WELLS

Name of Applicant \_\_\_\_\_

Name of Well \_\_\_\_\_

Driller's Name \_\_\_\_\_

Drilling Method \_\_\_\_\_

CASING DATA:

Surface \_\_\_\_\_ feet of \_\_\_\_\_ inch. Grade \_\_\_\_\_

Inspected by \_\_\_\_\_ on \_\_\_\_\_

(Approved)(Rejected) \_\_\_\_\_

Water string \_\_\_\_\_ feet of \_\_\_\_\_ inch. Grade \_\_\_\_\_

Inspected by \_\_\_\_\_ on \_\_\_\_\_

(Approved)(Rejected) \_\_\_\_\_

Oil string \_\_\_\_\_ feet of \_\_\_\_\_ inch. Grade \_\_\_\_\_

Inspected by \_\_\_\_\_ on \_\_\_\_\_

(Approved)(Rejected) \_\_\_\_\_

CEMENTING PROGRAM:

Cemented by \_\_\_\_\_ Supervised by \_\_\_\_\_

Type of shoe used \_\_\_\_\_ Float collar used \_\_\_\_\_

Bottom three joints welded \_\_\_\_\_ Cement: around shoe \_\_\_\_\_ sks. \_\_\_\_\_

around casing \_\_\_\_\_ sks. \_\_\_\_\_ Additives \_\_\_\_\_

Size of hole \_\_\_\_\_ Size of casing \_\_\_\_\_ sks. of cement required \_\_\_\_\_

Plug pumped down \_\_\_\_\_ (a.m.)(p.m.) \_\_\_\_\_

Cement circulated \_\_\_\_\_ No. of sacks \_\_\_\_\_

Temp. survey ran \_\_\_\_\_ (a.m.)(p.m.) \_\_\_\_\_ Cement at \_\_\_\_\_ feet

Temp. survey ran \_\_\_\_\_ (a.m.)(p.m.) \_\_\_\_\_ Cement at \_\_\_\_\_ feet

Checked for shut off \_\_\_\_\_ (a.m.) (p.m.) \_\_\_\_\_

Method used \_\_\_\_\_ Supervised by \_\_\_\_\_

Checked for shut off \_\_\_\_\_ (a.m.) (p.m.) \_\_\_\_\_

Method used \_\_\_\_\_ Supervised by \_\_\_\_\_

REMARKS: \_\_\_\_\_

Job approved by \_\_\_\_\_

File No. \_\_\_\_\_ Location No. \_\_\_\_\_

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

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

Form C-103  
Revised 10-1-78

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <u>Water Supply</u>	7. Unit Agreement Name <u>Eunice Monument South U</u>
2. Name of Operator <u>Chevron U.S.A. Inc.</u>	8. Farm or Lease Name
3. Address of Operator <u>P.O. Box 670 Hobbs, NM 88240</u>	9. Well No. <u>460</u>
4. Location of Well UNIT LETTER <u>C</u> <u>1220</u> FEET FROM THE <u>North</u> LINE AND <u>1520</u> FEET FROM THE <u>West</u> LINE, SECTION <u>8</u> TOWNSHIP <u>21S</u> RANGE <u>36E</u> NMPM.	10. Field and Pool, or WHdcat <u>Eunice Monument G/SA</u>
15. Elevation (Show whether DF, RT, GR, etc.) <u>3586.7' GL</u>	12. County <u>Lea</u>

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPS. <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"/>	

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

Spudded 20" hole 7:00 PM 1/7/87. TD 20" hole 5:30 PM 1/8/87 @ 415'. Ran 10 joints 16" 65# H40 ST&C set @ 415'. Cemented with 500 sacks class "C" 2% CACL2. Plug down 2:00 AM 1/9/87. Circulated 42 sacks to surface. Tested casing to 1000 psi for 30 minutes (OK). Total WOC before drillout = 24 hours.

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

SIGNED M. E. Apkin TITLE Staff Drilling Engineer DATE 1-19-1987

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



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

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

Form C-103  
Revised 10-1-78

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- Water Supply		7. Unit Agreement Name Eunice Monument South U
2. Name of Operator Chevron U.S.A. Inc.		8. Farm or Lease Name
3. Address of Operator P.O. Box 670 Hobbs, NM 88240		9. Well No. 460
4. Location of Well UNIT LETTER <u>C</u> <u>1220</u> FEET FROM THE <u>North</u> LINE AND <u>1520</u> FEET FROM THE <u>West</u> LINE, SECTION <u>8</u> TOWNSHIP <u>21S</u> RANGE <u>36E</u> NMPM.		10. Field and Pool, or Wildcat Eunice Monument G/SA
15. Elevation (Show whether DF, RT, GR, etc.) 3586.7' GL		12. County Lea

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

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

TD 14 3/4" hole 7:30 AM 1/12/87 @ 2700'. Ran 65 joints 11 3/4" 47# K55 ST&C set @ 2700'. Cemented with 850 sacks class "C" 16% Gel 1.88#/sx Salt .2% WR-2 and 200 sacks class "C" 2% CACL2. Plug down 7:00 PM 1/12/87. Circulated 306 sacks to surface. Tested casing to 2000 psi for 30 minutes (OK). Total WOC before drillout = 30 hours.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.		
SIGNED <u>M. E. Ahern</u>	TITLE <u>Staff Drilling Engineer</u>	DATE <u>1-19-1987</u>
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

AFFIDAVIT OF PUBLICATION

State of New Mexico,  
County of Lea.

1, \_\_\_\_\_

Robert L. Summers

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not in a supplement thereof for a period

of \_\_\_\_\_

Three weeks.

Beginning with the issue dated

February 2, 19 86

and ending with the issue dated

February 16, 19 86

Robert L. Summers  
Publisher.

Sworn and subscribed to before

me this 17 day of

February, 19 86

Vera Murphy  
Notary Public.

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

Nov. 14, 19 88

(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

STATE ENGINEER  
ROSWELL, NM  
FEB 25 8 19 AM '86

36  
LEGAL NOTICE  
FEBRUARY 2, 9, 16, 1986  
NOTICE IS HEREBY GIVEN that Chevron U.S.A. Inc. filed Application with the State Engineer for Permit to Drill a Non-Potable Water Supply Well. Said water supply well, identified as Eunice Monument South Unit #460, is to be drilled to 5000 feet into the San Andres formation to provide a portion of the required water (565 ac-ft per annum) for said secondary recovery unit. Well is to be located in the NW/4, NE/4, NW/4, Sec. 8-T21S-R36E, Lea County, New Mexico. Any person, firm, association, corporation, the State of New Mexico, or the United States of America, deeming that the granting of the above Application will impair or be detrimental to their water rights, may protest in writing the proposal set forth in said Application. The protest shall set forth all protestant's reasons why the Application should not be approved, and must be filed, in triplicate, with the State Engineer, P.O. Box 1717, Roswell, New Mexico 88201, within ten (10) days after the date of the last publication of this Notice.

CP-693



SF

KS  
2/c

96 FEB 4 A 9: 06

February 3, 1986

STATE ENGINEER OFFICE  
SANTA FE NEW MEXICO

Files: CP-693; CP-694; CP-695  
CP-696; CP-697

Chevron U.S.A. Inc.  
c/o P. H. Briley, Jr.  
P. O. Box 670  
Hobbs, NM 88240

Gentlemen:

Enclosed are your copies of Notice of Intention to Drill or Recomplete a Well  
Nos. CP-693, CP-694, CP-695, CP-696 and CP-697.

Please see that the well driller files logs of wells in this office within  
10 days after completion of drilling.

Meter reports for each well will be due in this office on the 10th day of  
January, April, July and October of each year.

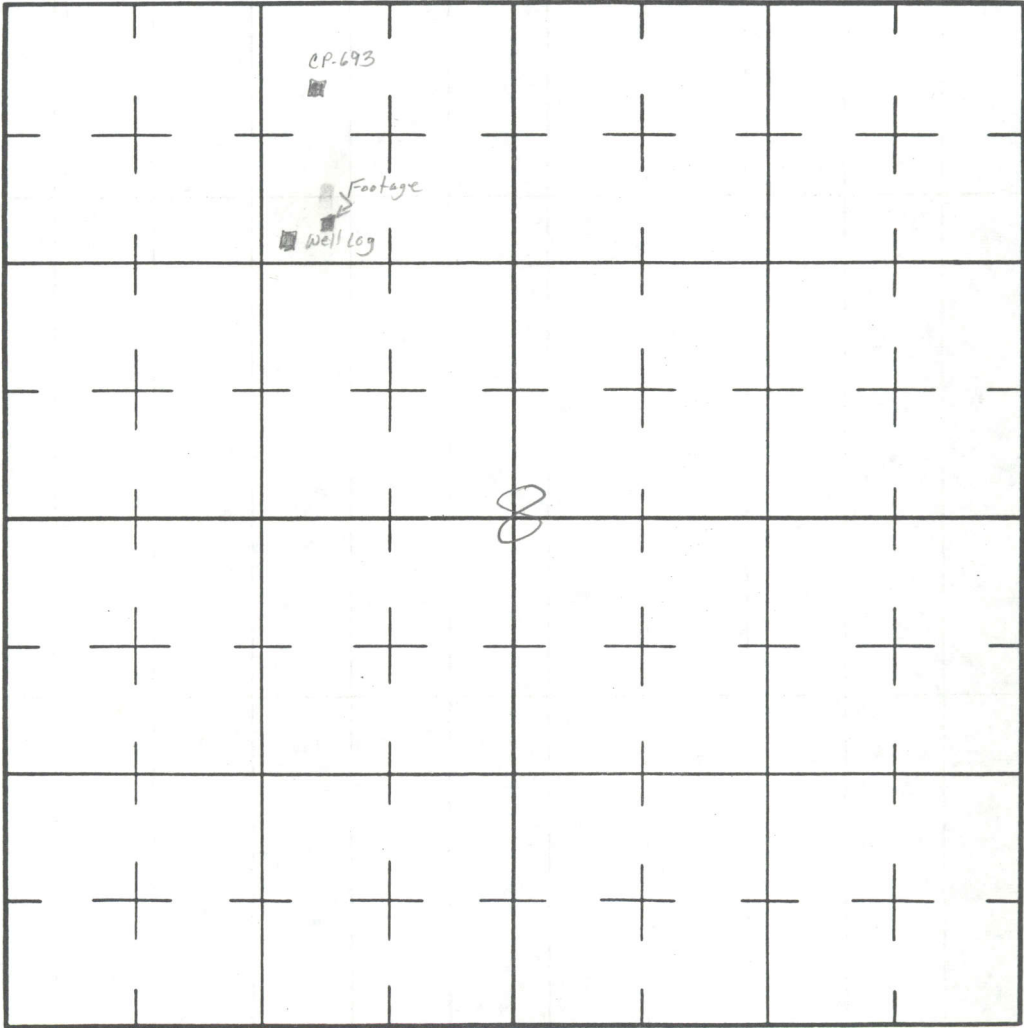
Yours very truly,

Johnny R. Hernandez  
Basin Supervisor

JRH/fh  
Encls.  
cc: Santa Fe



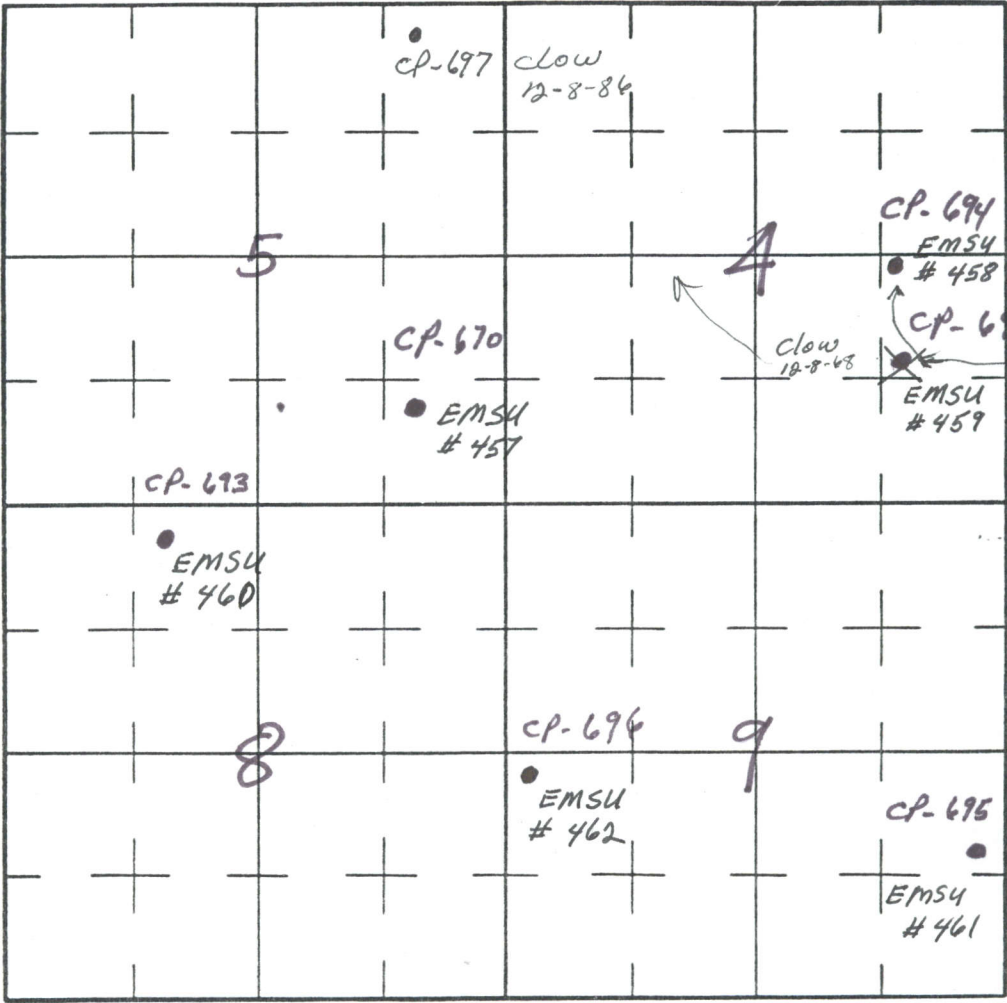
SECTION 8, TOWNSHIP 21S, RANGE 36E  
Scale 1"=1,000'



SECTION \_\_\_\_\_, TOWNSHIP \_\_\_\_\_, RANGE \_\_\_\_\_

File No.	Source of Water	Owner	Subdivision	Acres in Right On _____	Actual Irrigated On _____

SECTION 4, 8, 9, TOWNSHIP 21S, RANGE 36E  
Scale 1"=1,000'





(Permit)

CP-693

1220' FNL  $\frac{1}{2}$  1520' FWL

EMS4 #460

(NW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$  Sect. 8-215-36E.

(Well Log)

SW $\frac{1}{4}$  SW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$  Sect. 8-215-36E

(PCW)

SW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$  Sect. 8-215-36E.Footage  $\frac{1}{2}$  Field  
checkCTR. SW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$  ✓ .1230

CP-694 (Permit)

2640' FNL  $\frac{1}{2}$  1305' FELNW $\frac{1}{4}$  Lot 9 Sec. 4-215-36E

(Well Log)

NW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$ 

(PCW)

NW $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$ Footage  $\frac{1}{2}$  Field  
checkNW $\frac{1}{4}$  Lot 9 Sec. 4-215-36E2640' FNL  $\frac{1}{2}$  1320' FEL

CP-695 (Permit)

1540' FSL  $\frac{1}{2}$  1305' FELSE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  9-215-36E.

(Well Log)

SE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$ 

(PCW)

SE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$ Footage  $\frac{1}{2}$  Field check1540' FSL  $\frac{1}{2}$  1320' ~~FEL~~ FWL N $\frac{1}{2}$  SW $\frac{1}{4}$ 

CP-696 (Permit)

2590' FSL  $\frac{1}{2}$  50' FWLNW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$  9-215-36E.

(Well Log)

2590' FSL  $\frac{1}{2}$  50' FWL  
NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$ 

(PCW)

2950' FSL  $\frac{1}{2}$  50' FWL  
NW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$ Footage  $\frac{1}{2}$  Field checkNW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$ 

OK

CP-697 (Permit)

1420' FSL  $\frac{1}{2}$  1220' FEL

(Well Log)

1027' FNL  $\frac{1}{2}$  1740' FEL SW $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  4-215-36E

(PCW)

SW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$ 

(PCW)

NE $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$ 

CP-697 (CLOW)

1020' FNL  $\frac{1}{2}$  1740' FELNW $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$ 

5-26-36E

Footage  $\frac{1}{2}$  Field check1020' FNL  $\frac{1}{2}$  1740' FELE $\frac{1}{2}$  Lot 2 <sup>section</sup> 5-215-36E

Out of permitted area  
by field check

✓ CP-670 EMSU #457 (K)  
✓ CP-693 EMSU #460 ✓ (K)  
✓ CP-695 EMSU #461 ✓ (K)  
✓ CP-697 EMSU #459 ✓ ?

Lot 2 S. 21.36.

21.36, S. LOT 2

1020' FNL 1740 FEL

CP 697



(Complete Form in Triplicate)

Revised December 1966

## PROOF OF COMPLETION OF WELL

Permit No. CP-693

EMSU No. 460

88 SEP 27 10:58

1. Name of Water Right Owner Chevron U.S.A. Inc.  
Mailing address P.O. Box 670  
City and State Hobbs, NM 88240
2. Permit is for Water Supply Well from shallow ground water.  
(supplemental well, change location of well) (artesian or shallow)
3. Description of well:  
Located in the SW 1/4 NE 1/4 NW 1/4, of Sec. 8 Twp. 21S Rge. 36E N.M.P.M., or Tract No. \_\_\_\_\_  
of Map No. \_\_\_\_\_ of the \_\_\_\_\_ District; total depth, \_\_\_\_\_ feet; is well cased No;  
outside diameter of top casing (or hole, if uncased), 7/8 inches; if artesian, is well equipped with gate  
valve yes; date drilled 1/7 19 87; Name of driller Exeter Drilling Co.
4. Record of Pumping Test, if made (to be supplied by person or firm making test); Name and address of  
person making test, R.K. Mitchell;  
date of test 2/14 19 87; depth to water before test, \_\_\_\_\_ feet 1000 land surface,  
(above, below)  
and pumping level during test, 1000 feet; length of test, 1 1/2 hours; average discharge, 462 G.P.M.;  
specific capacity of well, \_\_\_\_\_ gals./min. per foot of drawdown.
5. Permanent Pump Equipment:  
(a) Description of pump: Make Baker Lift; Type Model 100LD;  
size of discharge \_\_\_\_\_ inches; if turbine type, give size of column, \_\_\_\_\_ inches; diameter of  
bowls \_\_\_\_\_ inches; number of bowls \_\_\_\_\_; length of suction pipe \_\_\_\_\_ feet; total length of  
column, bowls and suction pipe \_\_\_\_\_ feet; if centrifugal type, give size of pump \_\_\_\_\_ inches;  
if other type, describe Model 100LD 46 stage;  
rated capacity of pump (if known), \_\_\_\_\_ G.P.M., at \_\_\_\_\_ rev. per min., from a depth of \_\_\_\_\_ feet.  
(b) Description of power plant: Make Bakerlift; Type MDG;  
rated horsepower (if available) 300; type of drive connection to pump direct;  
(direct, gearhead, or belt)  
(c) Actual discharge of pump, 462 G.P.M., at \_\_\_\_\_ rev. per min., from a depth of 2599 feet;  
Date of test 2/14 19 87.
6. If reservoir is used, give approximate size: length \_\_\_\_\_ feet; width \_\_\_\_\_; depth \_\_\_\_\_.
7. If above well replaced an old well to be plugged or abandoned, fill out the following: the well abandoned  
is located in the \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 of Sec. \_\_\_\_\_, Twp. \_\_\_\_\_, Rge. \_\_\_\_\_.  
Describe plugging method \_\_\_\_\_  
Name of plugging contractor \_\_\_\_\_
8. Well Record filed with State Engineer's Office yes.  
(Yes or No)

Chevron USA, affirm that the foregoing statements are true to the best of my knowledge  
and belief and that I am the sole owner and holder of said water right.  
(sole, partial, agent for, etc.,)

Chevron USA Inc, Permittee

By: John Paul for M&A

## STATEMENT OF STATE ENGINEER'S REPRESENTATIVE

I hereby certify that I have inspected the above well and find it constructed in accordance with the conditions  
of the permit. Note any exceptions NONE

Well was producing NP gpm against a \_\_\_\_\_ head of \_\_\_\_\_ feet at \_\_\_\_\_ rpm.  
(measured) (estimated)

Old well has been N/A.  
(plugged) (capped) (retained for other rights)

By: Lea County Supervisor  
Title: September 23, 1988  
Date:

RECEIVED  
AUG 17 9 57 AM '87  
STATE OF CALIFORNIA  
SANTA FE SPRING

SF

Recd  
9/27/88

88 SEP 27 AIO : 58

STATE ENGINEER OFFICE  
SANTA FE, NEW MEXICO

September 26, 1988

Files: CP-693; CP-694; CP-695;  
CP-696; CP-697 (NOTICES OF INTENTION)

Chevron U.S.A., Inc.  
c/o M. E. Akins  
P. O. Box 670  
Hobbs, NM 88240

Gentlemen:

Enclosed are your copies of Proof of Completion of Well Nos. CP-693, CP-694, CP-695, CP-696 and CP-697, which have been accepted for filing.

Yours very truly,

Johnny R. Hernandez  
Basin Supervisor

JRH/fh  
Encls.

cc: Santa Fe



STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

Trn #601177

88 OCT 3 1987

87 AUG 19 1987

PI: 13

(A) Owner of well: Chevron U.S.A. Inc. Owner's Well No. EMSU 460

Street or Post Office Address P.O. Box 670

City and State Hobbs, NM 88240

Well was drilled under Permit No. CP-693 and is located in the:

1220' FNL and 1520' FWL

a. SW ¼ SW ¼ NE ¼ NW ¼ of Section 8 Township 21S Range 36E N.M.P.M.

b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_

c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_

Subdivision, recorded in \_\_\_\_\_ County.

d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in the \_\_\_\_\_ Grant.

(B) Drilling Contractor Exeter Drilling Co. License No. \_\_\_\_\_

Address 200 N. Lorraine, Suite 1200, Midland, TX 79701

Drilling Began 1/7/87 Completed 2/26/87 Type tools rotary Size of hole 7 7/8 in.

Elevation of land surface or \_\_\_\_\_ at well is 3586.7 ft. Total depth of well 5000 ft.

Completed well is ☒ shallow ☒ artesian. Depth to water upon completion of well 1000 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA (static fluid level)

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
4275	5000	725	San Andres	462

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
16	65	8rd	0	415	415	weatherford		
11 3/4	47	8rd	0	2700	2700	weatherford		
8 5/8	32	8rd	0	4350	4350	weatherford		

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
0	415	20		660	stab. in float collar
415	2700	14 3/4		2491	pump and plug
2700	4350	10 5/8		1579	pump and plug

4350 5000 7 7/8

Section 5. PLUGGING RECORD

open hole completion

Plugging Contractor \_\_\_\_\_

Address \_\_\_\_\_

Plugging Method \_\_\_\_\_

Date Well Plugged \_\_\_\_\_

Plugging approved by: \_\_\_\_\_

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received August 17, 1987

Quad \_\_\_\_\_ FWL \_\_\_\_\_ FSL \_\_\_\_\_

Use NOI Location No. 21.36.8.12334



Section 7. REMARKS AND ADDITIONAL INFORMATION

Aug 21 8 23 AM '87  
STEEL  
STATE  
EER

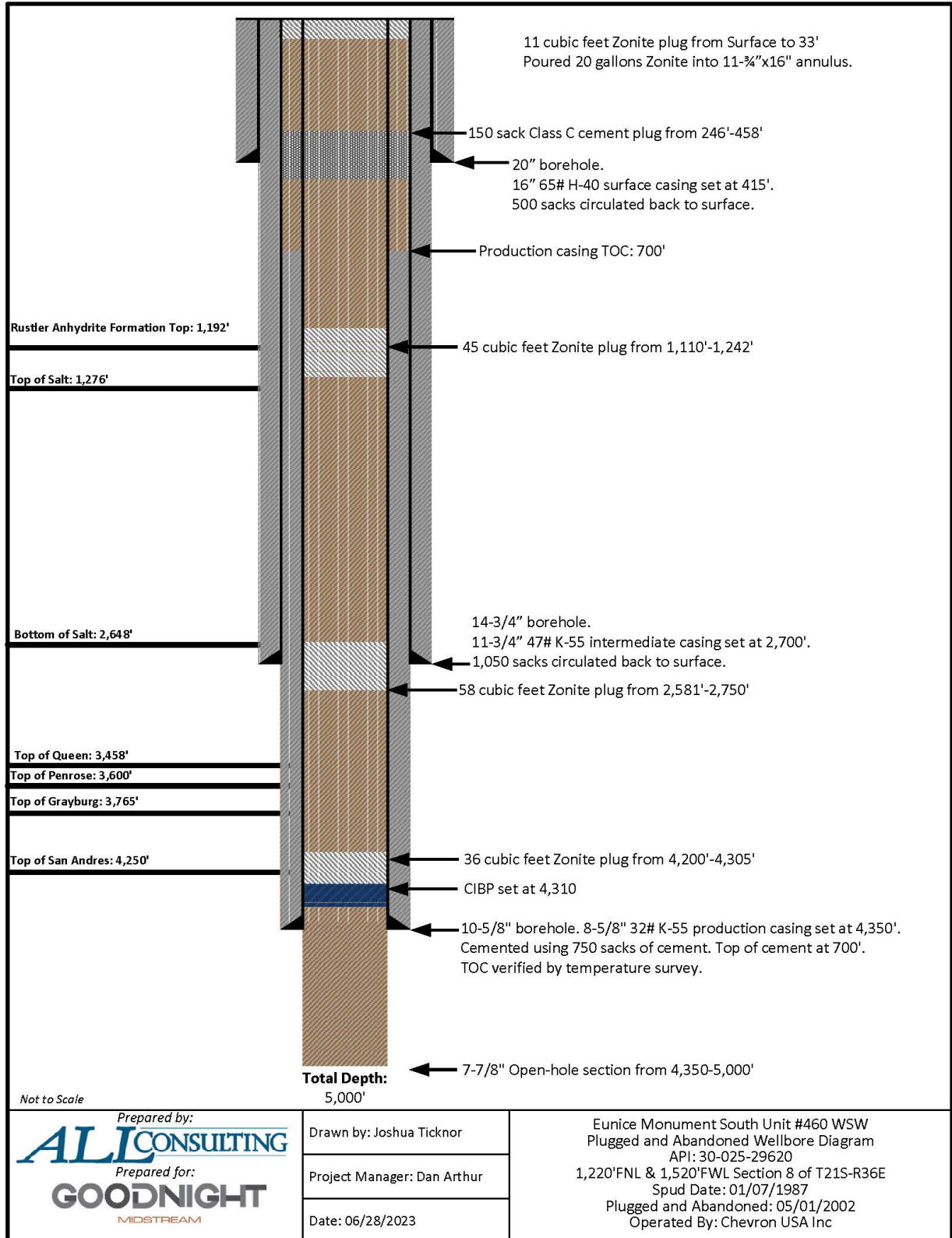
*[Signature]* PO: MEA  
Driller  
Chevron USA INC.

Released to, Imaging: 8/28/2024 9:44:16 AM

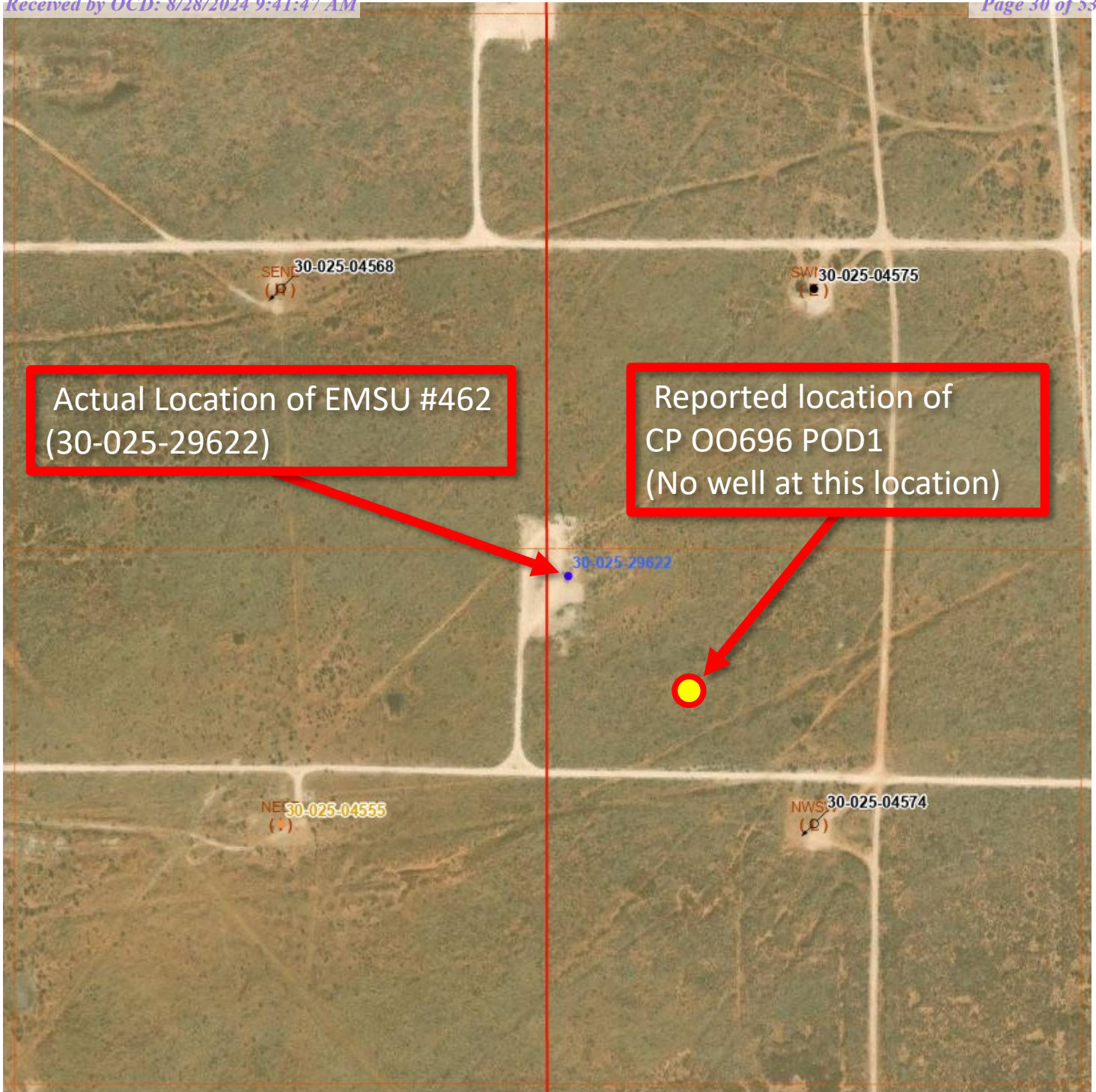
Ernie Banks SWD 30-025 50633 D 17 21S 36E

Order of the Division Item 7. Provide a wellbore diagram for CP 00693 POD1. Shown Below:

There is no fresh water well at this location. A saline aquifer water supply well, 30-025-29620, named the Chevron EMSU # 460 was drilled. A well bore diagram for the EMSU # 460 is provided.







### East part of Sec 8 and West part of sec 9 – 21S – 36E

Ernie Banks SWD 30-025 50633 D 17 21S 36E

Case no. 21570  
Order no. R-22027

Finding of the Division Item 7 and II Special Condition item  
2.b Provide a wellbore diagram for CP 00696 POD1.

There is no fresh water well at this location. An EOR saline aquifer water supply well, 30-025-29622, named the Chevron EMSU # 462 was drilled instead. A well bore diagram for the EMSU # 462 is provided.

Released to Imaging: 8/28/2024 9:44:16 AM



5910 N. CENTRAL EXPWY SUITE 800 | DALLAS, TX 75206

IMPORTANT-READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

NOTICE OF INTENTION

TO DRILL OR RECOMPLETE A WELL PURSUANT TO CHAPTER 86 OF THE SESSION LAWS OF 1967

CAPITAN

Basin Name

File No. CP-696 Date Received February 3, 1986

1. Name of Appropriator Chevron U.S.A. Inc.

Mailing Address P.O. Box 670

City and State Hobbs, NM 88240

2. Source of water supply (aquifer) San Andres at a depth of 4000-5000 feet  
located in the Capitan Underground Water Basin.

3. Quantity of water to be appropriated 565 acre feet per annum.

4. Purpose of use: Reinject for secondary oil recovery in the Eunice Monument South Unit.

5. Description of well: Eunice Mounment South Unit#462  
2590' FSL & 50' FWL

(a) Location: NW 1/4 NW 1/4 SW 1/4, Section 9 Township 21S Range 36E N.M.P.M.,  
on land owned by State

(b) Depth to be drilled or recompleted 5000' feet.

(c) Driller: Not Available

(d) Date work is to be commenced: Upon Application Approval

(e) Proposed casing and cementing program:

Hole Size	Casing				Perforations		Top Cement
	Diameter	Weight	From	To	From	To	
20"	16"	65#	0	400			Surface
14 3/4"	11 3/4"	47#	0	2800			Surface
10 5/8"	8 5/8"	32#	0	5000	4200	5000	2800

6. If appropriation is to be for waterflooding purposes, give date Oil Conservation Commission approved application to water flood December 27, 1984.

7. Additional statements or explanations (including data on any other water right appurtenant to same use as proposed herein)

I, P.H. Briley, Jr.

, affirm that the foregoing statements are true to the best of my knowledge and belief.

Chevron U.S.A. Inc.

, Appropriator

By: P.H. Briley Jr.



## INSTRUCTIONS

1. Notice of Intention shall be completed in triplicate and filed with a \$5.00 filing fee to the appropriate office of the State Engineer. A separate form shall be completed and separate filing fee submitted for each well to be drilled or re-completed.
2. The driller of the well must be a driller licensed and bonded by the State Engineer under New Mexico Statutes 75-11-13 through 75-11-18. It shall be the responsibility of the driller to file a log of the well and the actual casing and cementing program from ground surface to the producing aquifer in the office of the State Engineer within 10 days after completion.
3. A totalizing meter approved by the State Engineer shall be installed on the discharge line before the first branch line prior to the appropriation of water, and pumping records for the three preceding calendar months and chemical analysis of the water produced on a date specified within said three month period shall be submitted to the District Supervisor on the 10th day of January, April, July and October of each year.
4. Volume of water must be expressed in acre feet: 1 acre foot equals 7,758 barrels; 1 barrel equals 42 gallons.

Correspondence should be addressed to the State Engineer at the appropriate office:

Rio Grande, Bluewater, Sandia and Estancia Basins,  
District No. 1, 505 Marquette, N.W., Room 1023,  
Albuquerque, New Mexico 87106.

Portal, Penasco,  
Capitan, Jal and Ft. Sumner Basins, District No. 2,  
Box 1717, Roswell, New Mexico 88201.

Mimbres, Hot Springs, Virgin Valley, Animas, Playas,  
Gila-San Francisco, San Simon, Lordsburg and Nutt-Hockett  
Basins, District No. 3, Box 844, Deming, New Mexico 88030.

58

'91 DEC 10 AM 10 21



STATE ENGINEER OFFICE  
SANTA FE NEW MEXICO

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ  
STATE ENGINEER

ROSWELL

DISTRICT II  
1900 West Second St.  
Roswell, New Mexico 88201  
(505) 622-6521

December 9, 1991

Files: CP-693; CP-694; CP-695; CP-696; CP-697;  
CP-670 (NOTICES OF INTENTION)

Chevron U.S.A., Inc.  
c/o M. E. Atkins  
P. O. Box 670  
Hobbs, NM 88241

Gentlemen:

The State Engineer requires that quarterly reports of meter readings be submitted on or before the 10th of January, April, July and October. To date, the meter readings on the above numbered wells for the quarters ending in March, June, September and December, 1991 have not been received in this office.

It is important that these readings are submitted immediately and that future quarterly meter reports are submitted on time.

Yours very truly,

A handwritten signature in dark ink, appearing to read "Johnny R. Hernandez".

Johnny R. Hernandez  
Lea County Basin Supervisor

JRH/fh

cc: Santa Fe



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ROSWELL

S. E. REYNOLDS  
STATE ENGINEER

DISTRICT II  
909 E. 2ND STREET  
P.O. BOX 1717  
ROSWELL, NEW MEXICO 88202

November 17, 1989

Files: CP-693; CP-694; CP-695; CP-696; CP-697;  
CP-670; CP-707 (NOTICES OF INTENTION)

Chevron U.S.A., Inc.  
c/o M. E. Akins  
P. O. Box 670  
Hobbs, NM 88241

Gentlemen:

The State Engineer requires that quarterly reports of meter readings be submitted on or before the 10th of January, April, July and October. To date, the meter readings on the above numbered wells for the quarter ending in September, 1989 have not been received in this office.

It is important that these readings are submitted immediately and that future quarterly meter reports are submitted on time.

Yours very truly,

Johnny R. Hernandez  
Lea County Basin Supervisor

JRH/fh  
cc: Santa Fe



(Basin) or (County) \_\_\_\_\_ CAPITAIN

Applicant CHEVRON U.S.A., INC.

Date: August 21, 1987

Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_

21.36.9. 311  
2590' FSL 50' FWL  
CP-696

A 10x10 grid with a central vertical line and a horizontal line. A small dot is on the left horizontal line, and a small 'y' is on the right horizontal line.REMARKS: NOTICE OF INTENTION FOR NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> 9-21-36

2590' FSL & 50' FWL

NOTE: PCW SHOWS ON FOOTAGE AS 2950' instead of 2590'

2590' FSL  $\pm$  50' FWL  
NW 1/4 NW 1/4 SW 1/4

Fieldwork Same as permit

Date: 10-7-87

By: *Mary E. Stone*

File No. CP-696

Location No. 21.36.9.3114

WR-36

FIELD REPORT FOR CEMENTING OF WELLS

Name of Applicant \_\_\_\_\_

Name of Well \_\_\_\_\_

Driller's Name \_\_\_\_\_

Drilling Method \_\_\_\_\_

CASING DATA:

Surface \_\_\_\_\_ feet of \_\_\_\_\_ inch. Grade \_\_\_\_\_

Inspected by \_\_\_\_\_ on \_\_\_\_\_

(Approved)(Rejected) \_\_\_\_\_

Water string \_\_\_\_\_ feet of \_\_\_\_\_ inch. Grade \_\_\_\_\_

Inspected by \_\_\_\_\_ on \_\_\_\_\_

(Approved)(Rejected) \_\_\_\_\_

Oil string \_\_\_\_\_ feet of \_\_\_\_\_ inch. Grade \_\_\_\_\_

Inspected by \_\_\_\_\_ on \_\_\_\_\_

(Approved)(Rejected) \_\_\_\_\_

CEMENTING PROGRAM:

Cemented by \_\_\_\_\_ Supervised by \_\_\_\_\_

Type of shoe used \_\_\_\_\_ Float collar used \_\_\_\_\_

Bottom three joints welded \_\_\_\_\_ Cement: around shoe \_\_\_\_\_ sks. \_\_\_\_\_

around casing \_\_\_\_\_ sks. \_\_\_\_\_ Additives \_\_\_\_\_

\_\_\_\_\_

Size of hole \_\_\_\_\_ Size of casing \_\_\_\_\_ sks. of cement required \_\_\_\_\_

Plug pumped down \_\_\_\_\_ (a.m.)(p.m.) \_\_\_\_\_

Cement circulated \_\_\_\_\_ No. of sacks \_\_\_\_\_

Temp. survey ran \_\_\_\_\_ (a.m.)(p.m.) \_\_\_\_\_ Cement at \_\_\_\_\_ feet

Temp. survey ran \_\_\_\_\_ (a.m.)(p.m.) \_\_\_\_\_ Cement at \_\_\_\_\_ feet

Checked for shut off \_\_\_\_\_ (a.m.) (p.m.) \_\_\_\_\_

Method used \_\_\_\_\_ Supervised by \_\_\_\_\_

Checked for shut off \_\_\_\_\_ (a.m.) (p.m.) \_\_\_\_\_

Method used \_\_\_\_\_ Supervised by \_\_\_\_\_

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Job approved by \_\_\_\_\_

File No. \_\_\_\_\_ Location No. \_\_\_\_\_

**AFFIDAVIT OF PUBLICATION**

State of New Mexico,  
County of Lea.

1, \_\_\_\_\_

Robert L. Summers

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not in a supplement thereof for a period

of \_\_\_\_\_

Three weeks.

Beginning with the issue dated

February 2, 19 86

and ending with the issue dated

February 16, 19 86

*Robert L. Summers*  
Publisher.

Sworn and subscribed to before

me this 17 day of

February, 19 86

*Vera Murphy*  
Notary Public.

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

Nov. 14, 19 88

(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

36 LEGAL NOTICE  
FEBRUARY 2, 9, 16, 1986  
NOTICE IS HEREBY GIVEN that Chevron U.S.A. Inc. filed Application with the State Engineer for Permit to Drill a Non-Potable Water Supply Well. Said water supply well, identified as Eunice Monument South Unit #462, is to be drilled to 5000 feet into the San Andres formation to provide a portion of the required water (565 ac-ft per annum) for said secondary recovery unit. Well is to be located in the NW/4, NW/4, SW/4, Sec. 9-T21S-R36E, Lea County, New Mexico. Any person, firm, association, corporation, the State of New Mexico, or the United States of America, deeming that the granting of the above Application will impair or be detrimental to their water rights, may protest in writing the proposal set forth in said Application. The protest shall set forth all protestant's reasons why the Application should not be approved, and must be filed, in triplicate, with the State Engineer, P. O. Box 1717, Roswell, New Mexico 88201, within ten (10) days after the date of the last publication of this Notice.

STATE ENGINEER  
ROSWELL, NM  
FEB 25 8 18 AM '86

CP 696

SF

KS  
2/c

36 FEB 9 A 9:06

February 3, 1986

STATE OF NEW MEXICO  
SANTA FE

Files: CP-693; CP-694; CP-695  
CP-696; CP-697

Chevron U.S.A. Inc.  
c/o P. H. Briley, Jr.  
P. O. Box 670  
Hobbs, NM 88240

Gentlemen:

Enclosed are your copies of Notice of Intention to Drill or Recomplete a Well  
Nos. CP-693, CP-694, CP-695, CP-696 and CP-697.

Please see that the well driller files logs of wells in this office within  
10 days after completion of drilling.

Meter reports for each well will be due in this office on the 10th day of  
January, April, July and October of each year.

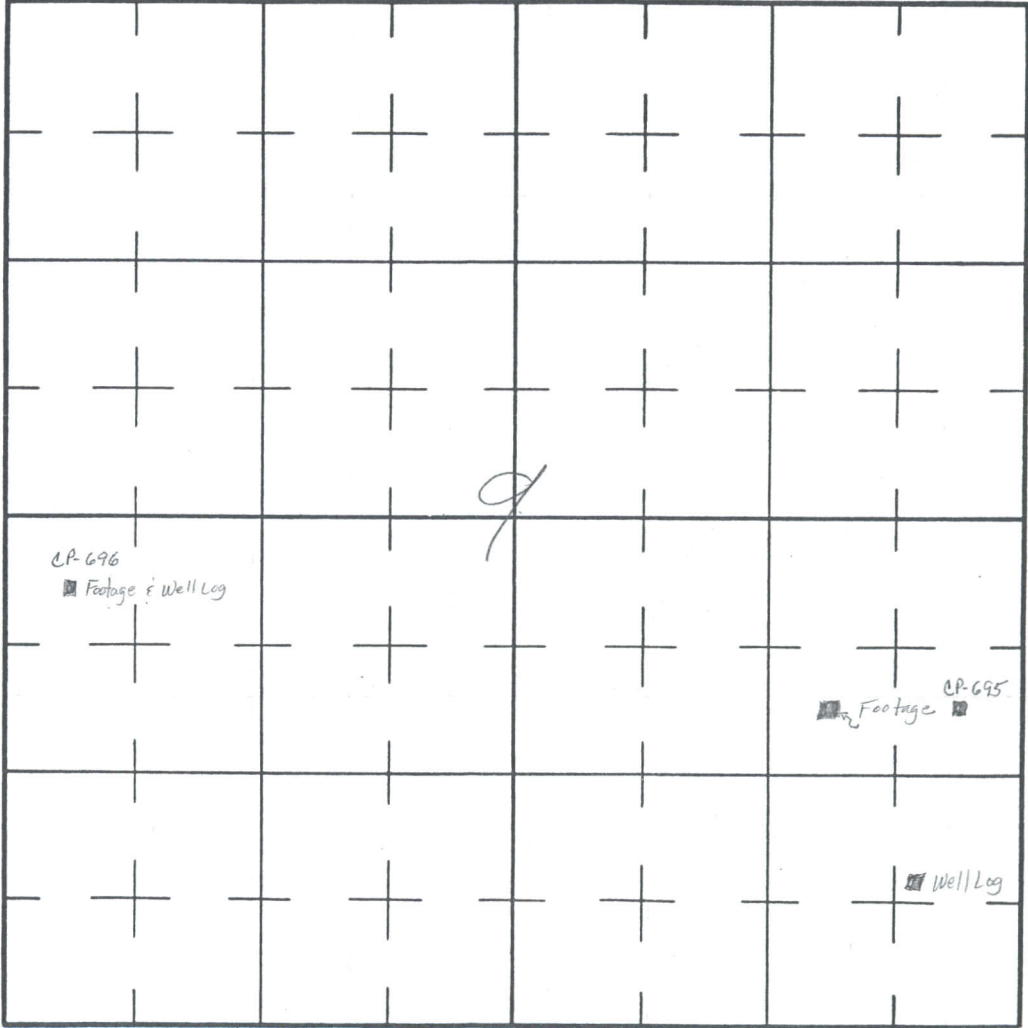
Yours very truly,

Johnny R. Hernandez  
Basin Supervisor

JRH/fh  
Encls.  
cc: Santa Fe



SECTION 9, TOWNSHIP 21S, RANGE 36E  
Scale 1"=1,000'

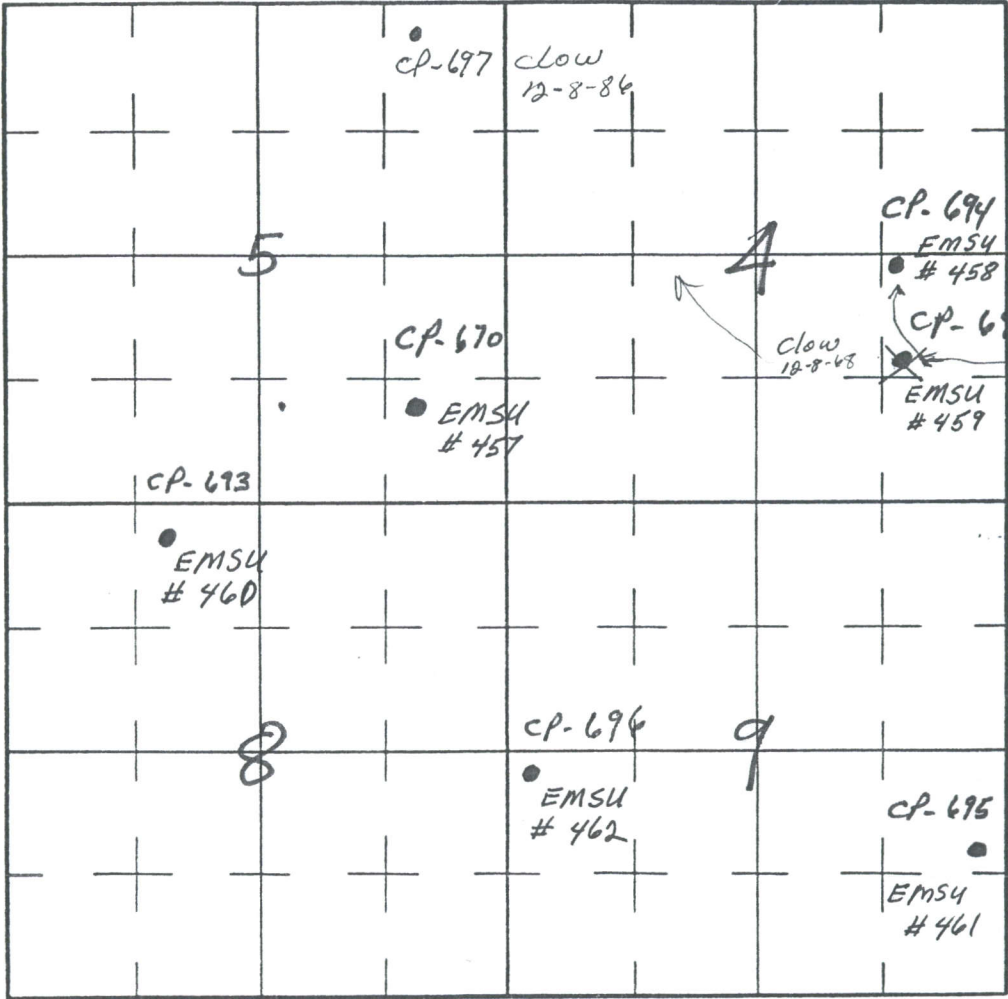




SECTION \_\_\_\_\_, TOWNSHIP \_\_\_\_\_, RANGE \_\_\_\_\_

File No.	Source of Water	Owner	Subdivision	Acres in Right On	Actual Irrigated On

SECTION 4, 8, 9, TOWNSHIP 21S, RANGE 36E  
Scale 1"=1,000'





(Permit)

CP-693

1220 FNL  $\frac{1}{2}$  1520' FWL

EMS4 #460

(NW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$  Sect. 8-21S-36E.

(Well Log)

SW $\frac{1}{4}$  SW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$   $\checkmark$  Sect. 8-21S-36E

(PCW)

SW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$   $\checkmark$  Sect. 8-21S-36E.Footage  $\frac{1}{2}$  Field  
checkCTR. SW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$   $\checkmark$  .1230

CP-694 (Permit)

2640' FNL  $\frac{1}{2}$  1305' FELNW $\frac{1}{4}$  Lot 9 Sec. 4-21S-36E

(Well Log)

NW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$ 

(PCW)

NW $\frac{1}{4}$  SW $\frac{1}{4}$  NW $\frac{1}{4}$ Footage  $\frac{1}{2}$  Field  
checkNW $\frac{1}{4}$  Lot 9 Sec. 4-21S-36E2640' FNL  $\frac{1}{2}$  1320 FEL

CP-695 (Permit)

1540' FSL  $\frac{1}{2}$  1305' FELSE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  9-21S-36E.

(Well Log)

SE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$ 

(PCW)

SE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$ Footage  $\frac{1}{2}$  Field check 1540' FSL  $\frac{1}{2}$  1320' ~~FEL~~ <sup>FWL</sup> N $\frac{1}{2}$  SW $\frac{1}{4}$ 

CP-696 (Permit)

2590' FSL  $\frac{1}{2}$  50' FWLNW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$  9-21S-36E.

(Well Log)

2590' FSL  $\frac{1}{2}$  50' FWL  
NW $\frac{1}{4}$  NW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$ 

(PCW)

2590' FSL  $\frac{1}{2}$  50' FWL  
NW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$ Footage  $\frac{1}{2}$  Field checkNW $\frac{1}{4}$  NW $\frac{1}{4}$  SW $\frac{1}{4}$ 

OK

CP-697 (Permit)

1420' FSL  $\frac{1}{2}$  1220 FELSW $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$  4-21S-36E

(Well Log)

1027' FNL  $\frac{1}{2}$  1740' FEL  
SW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$ 

(PCW)

NE $\frac{1}{4}$  NW $\frac{1}{4}$  NE $\frac{1}{4}$ 

CP-697 (CLOW)

1020' FNL  $\frac{1}{2}$  1740' FELNW $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$ 

5-26-36E

Footage  $\frac{1}{2}$  Field check1020 FNL  $\frac{1}{2}$  1740' FELE $\frac{1}{2}$  Lot 2 <sup>section</sup> 5-21S-36E



(Complete Form in Triplicate)

Revised December 1966

## PROOF OF COMPLETION OF WELL

Permit No. CP-696

EMSU 462

- Tr. # 602473
1. Name of Water Right Owner Chevron U.S.A. INC.  
Mailing address P.O. Box 670  
City and State Hobbs, NM 88240
  2. Permit is for Water supply well from shallow ground water.  
(supplemental well, change location of well) (artesian or shallow)  
2590'  
*A.S. Artesian WELL OFFICE*  
*See abstractor's note on Tr. Comment section.*
  3. Description of well: -2950' FSL and 50' FWL  
Located in the NW 1/4 NW 1/4 SW 1/4, of Sec. 9 Twp. 21SRge36E N.M.P.M., or Tract No. \_\_\_\_\_  
of Map No. \_\_\_\_\_ of the \_\_\_\_\_ District; total depth 5000 feet; is well cased no;  
outside diameter of top casing (or hole, if uncased), 7 7/8 inches; if artesian, is well equipped with gate  
valve yes; date drilled 2/7 19 87; Name of driller Exeter Drlg. Co.
  4. Record of Pumping Test, if made (to be supplied by person or firm making test); Name and address of  
person making test, R. K. Mitchell;  
date of test 4/12/87 19 \_\_\_\_; depth to water before test, 1100 feet below land surface,  
(above, below) 420 G.P.M.;  
and pumping level during test, 1400 feet; length of test, 1 1/2 hours; average discharge, \_\_\_\_\_ G.P.M.;  
specific capacity of well, 1.4 gals./min. per foot of drawdown.
  5. Permanent Pump Equipment:  
(a) Description of pump: Make Baker Lift; Type Model 100LD;  
size of discharge \_\_\_\_\_ inches; if turbine type, give size of column, \_\_\_\_\_ inches; diameter of  
bowls \_\_\_\_\_ inches; number of bowls \_\_\_\_\_; length of suction pipe \_\_\_\_\_ feet; total length of  
column, bowls and suction pipe \_\_\_\_\_ feet; if centrifugal type, give size of pump \_\_\_\_\_ inches;  
if other type, describe 46 stage, model 100 LD;  
rated capacity of pump (if known), \_\_\_\_\_ G.P.M., at \_\_\_\_\_ rev. per min., from a depth of \_\_\_\_\_ feet.  
(b) Description of power plant: Make Bakerlift; Type Model MO6;  
rated horsepower (if available) 315; type of drive connection to pump \_\_\_\_\_  
(direct, gearhead, or belt)  
(c) Actual discharge of pump, 420 G.P.M., at \_\_\_\_\_ rev. per min., from a depth of 2577 feet;  
Date of test 4/12 19 87.
  6. If reservoir is used, give approximate size: length \_\_\_\_\_ feet; width \_\_\_\_\_; depth \_\_\_\_\_.
  7. If above well replaced an old well to be plugged or abandoned, fill out the following: the well abandoned  
is located in the \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 of Sec. \_\_\_\_\_, Twp. \_\_\_\_\_, Rge. \_\_\_\_\_.  
Describe plugging method \_\_\_\_\_  
Name of plugging contractor \_\_\_\_\_
  8. Well Record filed with State Engineer's Office yes.  
(Yes or No)

I, Chevron USA Inc., affirm that the foregoing statements are true to the best of my knowledge  
and belief and that I am the sole owner and holder of said water right.  
(sole, partial, agent for, etc.,)

Chevron USA Inc., Permittee

By: [Signature]

## STATEMENT OF STATE ENGINEER'S REPRESENTATIVE

I hereby certify that I have inspected the above well and find it constructed in accordance with the conditions  
of the permit. Note any exceptions None

Well was producing NP gpm against a \_\_\_\_\_ head of \_\_\_\_\_ feet at \_\_\_\_\_ rpm.  
(measured) (estimated)

Old well has been N/A.  
(plugged) (capped) (retained for other rights)

By: [Signature]  
Title: Lea County Basin Supervisor  
Date: September 23, 1988

RECEIVED  
AUG 17 9 57 AM '87  
STATION OFFICE  
SANTA FE, N. M.

SF

8

8

Free  
9/27/88

88 SEP 27 AIO : 58

STATE ENGINEER OFFICE  
SANTA FE, NEW MEXICO

September 26, 1988

Files: CP-693; CP-694; CP-695;  
CP-696; CP-697 (NOTICES OF INTENTION)

Chevron U.S.A., Inc.  
c/o M. E. Akins  
P. O. Box 670  
Hobbs, NM 88240

Gentlemen:

Enclosed are your copies of Proof of Completion of Well Nos. CP-693, CP-694, CP-695, CP-696 and CP-697, which have been accepted for filing.

Yours very truly,

Johnny R. Hernandez  
Basin Supervisor

JRH/fh  
Encls.

cc: Santa Fe



Revised June 1972

STATE ENGINEER OFFICE  
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Chevron U.S.A. Inc. Owner's Well No. EMSU 462  
Street or Post Office Address P.O. Box 670  
City and State Hobbs, NM 88240

Well was drilled under Permit No. CP-696 and is located in the:  
2590' FSL and 50' FWL  
a. NW 1/4 NW 1/4 NW 1/4 SW 1/4 of Section 9 Township 21S Range 36E N.M.P.M.  
b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_  
c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in \_\_\_\_\_ County.  
d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in  
the \_\_\_\_\_ Grant.

(B) Drilling Contractor Exeter Drilling Co. License No. \_\_\_\_\_  
Address 200 N. Lorraine, Suite 1220, Midland, TX 79701

Drilling Began 2/7/87 Completed 4/12/87 Type tools Rotary Size of hole \_\_\_\_\_ in.

Elevation of land surface or \_\_\_\_\_ at well is 3589.8 ft. Total depth of well 5000 ft.

Completed well is ☒ shallow ☒ artesian. Depth to water upon completion of well 1200 ft.  
(static fluid level)

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
4120	4900	780	San Andres	420

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
16	65	8rd	0	416	416	weatherford		
11 3/4	54	8rd	0	2700	2700	weatherford		
8 5/8	32	8rd	0	4321	4321	weatherford		

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
0	416	20		623	sting in float shoe
416	2700	14 3/4		2631	pump and plug
2700	4321	10 5/8		1842	pump and plug

4321 5000 7 7/8 open hole completion

Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Plugging Method \_\_\_\_\_  
Date Well Plugged \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_  
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received August 17, 1987 Quad \_\_\_\_\_ FWL \_\_\_\_\_ FSL \_\_\_\_\_



Section 7. REMARKS AND ADDITIONAL INFORMATION

AUG 21 3 23 AM '67

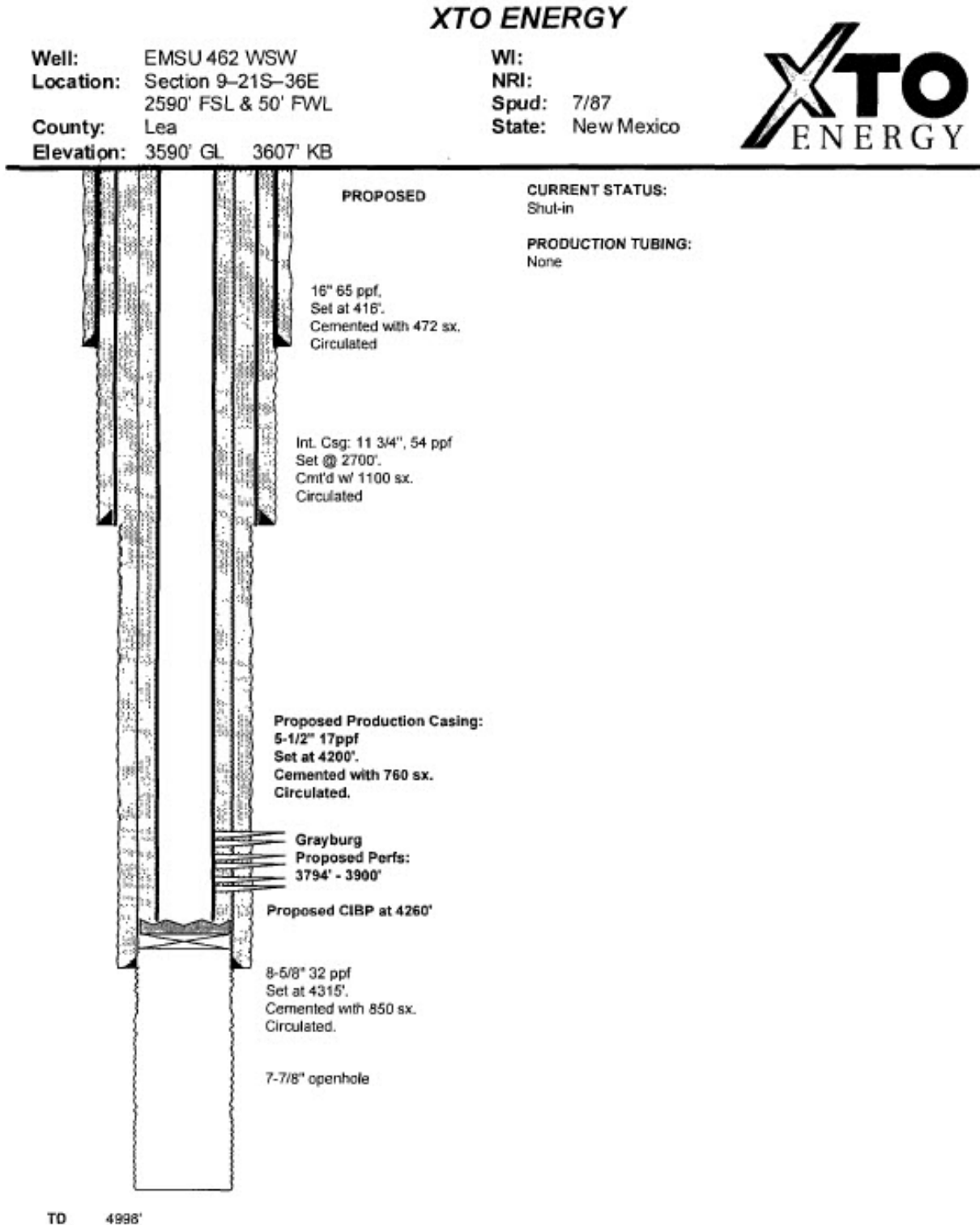
*[Signature]* for WEA  
Chevron USA Driller  
Inc.

Released to Imaging: 8/28/2024 9:44:16 AM

Ernie Banks SWD 30-025 50633 D 17 21S 36E

Order of the Division Item 7. Provide a wellbore diagram for CP 00696 POD1. Shown Below.

There is no fresh water well at this location. A saline aquifer water supply well, 30-025-29622, named the Chevron EMSU # 462 was drilled instead. A well bore diagram for the EMSU # 462 is provided.



PREPARED BY: JWP

DATE: 11/17/2011



Data on Proposed Operation  
of  
Eunice Monument South Unit

1. Proposed average and maximum daily rate and volume of fluids to be injected:

Average daily rate of 400 BWP  
Maximum daily rate of 500 BWP

2. System is closed.

3. Proposed average and maximum injection pressures:

Average injection pressure of 350 psi  
Maximum injection pressure of 740 psi \*

4. The source of injection fluids will be from the San Andres formation initially, then produced water from Unit wells will be used as the primary source of water when the Unit becomes fully developed.
5. The make-up water from the San Andres formation to be used as injection fluid is compatible with the produced water from the Unit wells (See attached water analysis).

- \* Until a fracture gradient is determined, maximum injection pressure will be based on a .2 psi/foot gradient.

EXHIBIT NO. 33a  
Case No. 8397  
November 7, 1984

P O BOX 1400  
MONAHANS TEXAS 79786  
PH 943-3234 OR 943-1040

## Martin Water Laboratories, Inc.

700 W INDIANA  
MIDLAND TEXAS 79701  
PHONE 943-4821

## RESULT OF WATER ANALYSES

TO: Mr. Stan Chapman LABORATORY NO. 284226  
P.O. Box 670, Hobbs, NM SAMPLE RECEIVED 2-15-84  
RESULTS REPORTED 2-20-84

COMPANY Gulf Oil Exploration & Production LEASE \_\_\_\_\_  
FIELD OR POOL Company  
SECTION \_\_\_\_\_ BLOCK \_\_\_\_\_ SURVEY \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_  
SOURCE OF SAMPLE AND DATE TAKEN:  
NO. 1 Make-up water.  
NO. 2 Produced water.  
NO. 3 \_\_\_\_\_  
NO. 4 \_\_\_\_\_

## REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0465	1.0051		
pH When Sampled				
pH When Received	6.80	7.22		
Bicarbonate as HCO <sub>3</sub>	964	1,830		
Supersaturation as CaCO <sub>3</sub>	75	120		
Undersaturation as CaCO <sub>3</sub>	---	---		
Total Hardness as CaCO <sub>3</sub>	5,400	800		
Calcium as Ca	1,400	144		
Magnesium as Mg	462	107		
Sodium and/or Potassium	23,244	2,308		
Sulfate as SO <sub>4</sub>	3,432	300		
Chloride as Cl	36,575	2,841		
Iron as Fe	0.27	7.5		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	66,077	7,530		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	600	325		
Resistivity, ohms/cm at 70° F	0.126	0.935		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Calcium Carbonate Scaling Tendency	NONE	NONE		
Calcium Sulfate Scaling Tendency	NONE	NONE		
Results Reported As Milligrams Per Liter				
Additional Determinations And Remarks We see no evidence in the above results that would indicate any incompatibility when mixing these two waters in any proportion. Please contact us if we can be of any additional assistance in this regard.				

EXHIBIT NO. 336Case No. 8397

November 7, 1984

Form No. 3

By

Waylan C. Martin, M.A.

Proposed Stimulation Program  
For  
Typical Injection Well  
Eunice Monument South Unit  
Lea County, New Mexico

It is proposed to selectively perforate the interval from approximately -100' to -300' subsea and then open this interval by acidizing with approximately 3,000 gallons of 15% HCL Acid.

EXHIBIT NO. 33c

Case No. 8397

November 7, 1984



**From:** [Nate Alleman](#)  
**To:** [Engineer, OCD, EMNRD](#)  
**Cc:** [Steve Drake](#); [Grant Adams](#); [Preston McGuire](#); [Stephanie Marrs](#)  
**Subject:** Goodnight - Ernie Banks SWD #1 Water Supply Well Report (Order No. R-22027 Special Condition #2)  
**Attachments:** [Chevron Contact Attempts - Compiled.pdf](#)  
[CP 00693 POD1 - Well Record.pdf](#)  
[CP 00693 POD1 - Notice of Intent.pdf](#)  
[CP 00693 POD1 - Location Map.pdf](#)  
[CP 00693 POD1 - Wellbore Diagram.pdf](#)  
[CP 00693 POD1 - Well Completion.pdf](#)  
[CP 00696 POD1 - Well Record.pdf](#)  
[CP 00696 POD1 - Notice of Intent.pdf](#)  
[CP 00696 POD1 - Location Map.pdf](#)  
[CP 00696 POD1 - Wellbore Diagram.pdf](#)  
[CP 00696 POD1 - Well Completion.pdf](#)  
[EMSU – San Andres Water Quality.pdf](#)

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Engineering Team,

As requested by the New Mexico Oil Conservation Division (OCD) in Order No. R-22027/Case No. 21570 (Special Condition #2), Goodnight Midstream is providing a report for two water supply wells identified by the New Mexico Office of the State Engineer (OSE) as being located within a 1-mile radius of the Ernie Banks SWD #1. As a part of this effort to prepare the report, Goodnight contacted the owner of the wells, identified in the Injection Order as Chevron USA Inc., and conducted a search of OCD and OSE records to confirm the actual location/name, intended and actual use, current status, water quality analysis, and wellbore construction of the water supply wells.

In summary, research confirmed that the water wells referenced in the Hearing Order, CP 00693 POD1 and CP 00696 POD1, were saline aquifer water supply wells drilled by Chevron as water supply wells for their Eunice Monument South waterflood project. Neither the intended use of the water supply wells or representative water quality analysis showing chloride concentrations of 36,575 ppm TDS indicate that these water wells could not be considered Underground Sources of Drinking Water (USDW) with Total Dissolved Solids concentrations of 10,000 ppm or less. Detailed findings are included below and associated documentation is attached for reference.

**Chevron Contact Attempts:** Numerous attempts were made to contact Chevron USA Inc. to obtain information on the water supply wells; however, none of the persons contacted were able to obtain information related to the water supply wells. Documentation of the contact attempts is attached (File Name: "Chevron Contact Attempts – Compiled.pdf").

#### **CP 00693 POD1/EMSU 460**

- **Name:** OSE Water Supply well CP 00693 POD1 was named by Chevron as EMSU #460 (see attached *CP 00693 POD1 – Well Record.pdf* - page 1).
- **Intended Use:** The intended purpose of this well was to produce water that would be reinjected for secondary oil recovery in the Eunice Monument South Unit (see attached *CP 00693 POD1 – Notice of Intent* – page 1, Item #14)
- **Location:** The attached *CP 00693 POD1 – Location Map* shows the location listed by OSE's for CP 00693 POD1 and indicates that no water well is present at this location, as verified by a site visit. The map also indicates the actual location of this water well, which is Chevron's EMSU #460 (API 30-025-29620).

- **Wellbore Construction & Status:** Attached *CP 00693 POD1 – Wellbore Diagram* prepared by ALL Consulting shows the current well construction per OCD well records and indicates that this well is currently plugged and abandoned.
- **Water Depth:** Per OSE records, the water level before the initial pump test was 1,000 feet below land surface (see attached *CP00693 POD1- Well Completion – page 1*).

**CP 00696 POD1/EMSU 462**

- **Name:** OSE Water Supply well CP 00696 POD1 was named by Chevron as EMSU #462 (see attached *CP 00696 POD1 – Well Record.pdf* - page 1).
- **Intended Use:** The intended purpose of this well was to produce water that would be reinjected for secondary oil recovery in the Eunice Monument South Unit (see attached *CP 00696 POD1 – Notice of Intent – page 1, Item #14*)
- **Location:** The attached *CP 00696 POD1 – Location Map* shows the location listed by OSE's for CP 00696 POD1 and indicates that no water well is present at this location, as verified by a site visit. The map also indicates the actual location of this water well, which is Chevron's EMSU #462 (API 30-025 50633).
- **Wellbore Construction & Status:** Attached *CP 00696 POD1 – Wellbore Diagram* prepared shows the current well construction per OCD well records and indicates that this well is currently shut-in.
- **Water Depth:** Per OSE records, the water level before the initial pump test was 1,100 feet below land surface (see attached *CP00696 POD1- Well Completion – page 1*).

**Water Quality Analysis:** Although water samples from these specific water wells was unable to be obtained, an analysis of San Andres make-up water used in association with the Eunice Monument South Unit was obtained and the water quality parameters can be found in Sample No. 1 on page 2 of the attached *EMSU – San Andres Water Quality.pdf*. This data indicates chloride concentrations of the San Andres make-up water was 36,575 ppm TDS; significantly higher than 10,000 ppm and not protectable water.

Please let us know if you have any questions on the identified information.

Regards,

**Nate Alleman**

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