

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](#)

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
(806)-544-3161



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
C. 918.237.0559

From: Nate Alleman
Sent: Friday, July 7, 2023 7:21 AM
To: Comiskey, Cody <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

C. 918.237.0559

From: Comiskey, Cody <cody.comiskey@chevron.com>

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

To: Nate Alleman <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
(806)-544-3161**

From: Nate Alleman <nate.alleman@aceadvisors.com>

Sent: Thursday, July 6, 2023 15:25

To: Comiskey, Cody <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
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

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

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
C. 918.237.0559

From: Nate Alleman
Sent: Thursday, July 6, 2023 4:55 PM
To: 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.

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

C. 918.237.0559

From: [Nate Alleman](#)
To: mike.milliorn@chevron.com; jennifer.vancuren@chevron.com; 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](#)

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.

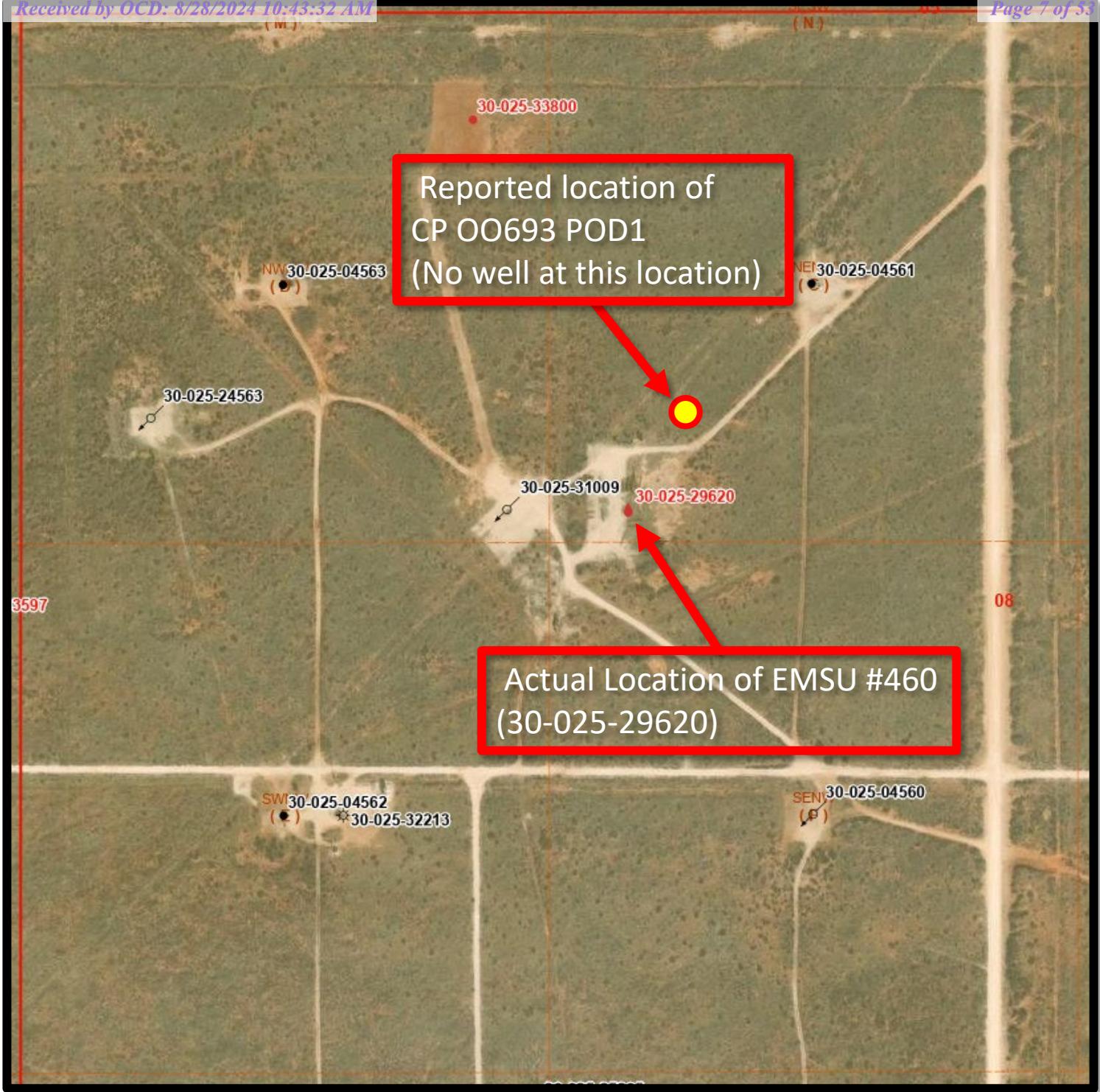
POD Summaries from the OSE are attached for reference.

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
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 10:44:04 AM



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- 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' FINL & 1520' FWL

(a) Location: NW 1/4 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

POD Renumbered

From: CP-693

To: CP-693-POD1

FEB 8 35 AM '86

STATE ENGINEER
ROSBELL, NM

OFFICE OF THE STATE ENGINEER
MILWAUKEE, NEW MEXICO
AUG 06

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, Jar and Ft. Sumner Basins, District No. 2,
Box 1717, Roswell, New Mexico 88201.

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

600 451111215150

SF

'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,

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.

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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.

*Lot 2
Well be
Lot 2*

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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.

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.

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

No change

out of permitted area

ROUTING SLIP

1320
1330
1430

To: Field Supervisor (Basin) or (County) CAPITAN

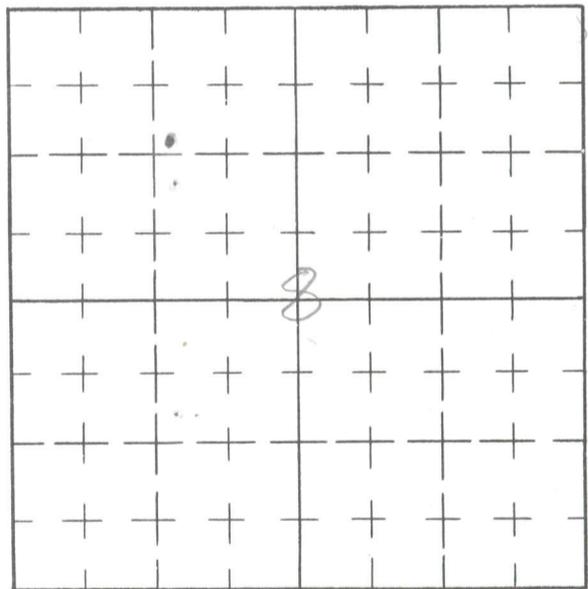
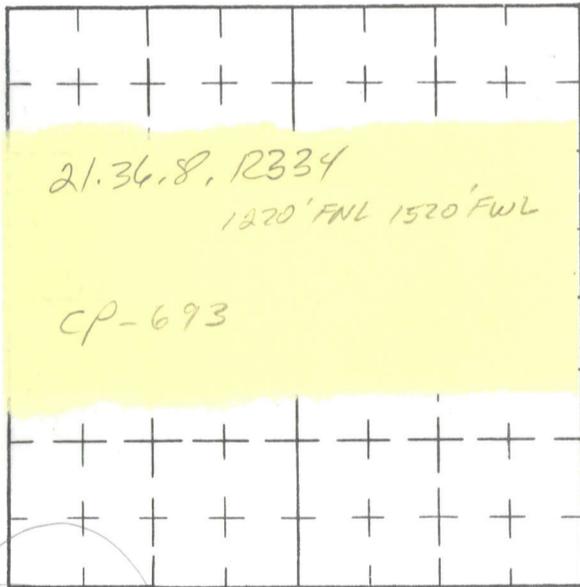
From: _____ Applicant CHEVRON U.S.A., INC.

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 NW¹/₄NE¹/₄NW¹/₄ 8-21-36

NOTE: WELL RECORD & PROOF SHOW LOCATION OF WELL AS SW¹/₄SW¹/₄NE¹/₄NW¹/₄ 8-21-36

OK

*Amended Notice
8/22/88
OK*

*Permit NW¹/₄NE¹/₄NW¹/₄
Footage & Field check (SW¹/₄NE¹/₄NW¹/₄
1220' FWL & 1520' FWL)* *out of permitted area*

Date: 10-7-87 By: Mary J. [Signature]

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

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

Form C-103
Revised 10-1-78

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

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

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

1. OIL WELL GAS WELL OTHER- Water Supply

2. Name of Operator
Chevron U.S.A. Inc.

3. Address of Operator
P.O. Box 670 Hobbs, NM 88240

4. Location of Well
UNIT LETTER C 1220 FEET FROM THE North LINE AND 1520 FEET FROM
THE West LINE, SECTION 8 TOWNSHIP 21S RANGE 36E NMPM.

7. Unit Agreement Name
Eunice Monument South U

8. Farm or Lease Name

9. Well No.
460

10. Field and Pool, or WHdcat
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"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

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

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

Form C-103
Revised 10-1-78

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

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

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

1. OIL WELL GAS WELL OTHER- Water Supply

2. Name of Operator
Chevron U.S.A. Inc.

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10. Field and Pool, or Whidcat
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"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" 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.

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

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

86 FEB 4 A 9:06

STATE ENGINEER OFFICE
SANTA FE NEW MEXICO

February 3, 1986

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.

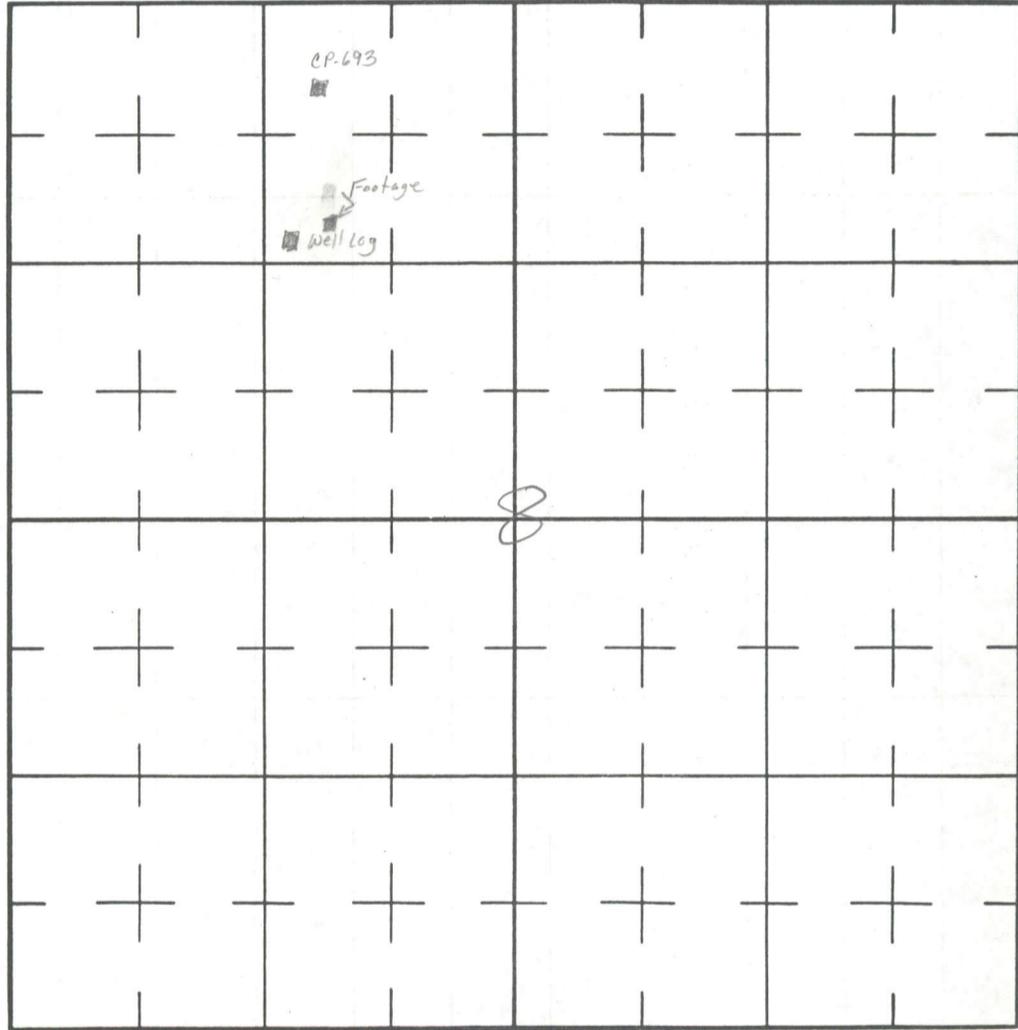
Yours very truly,

Johnny R. Hernandez
Basin Supervisor

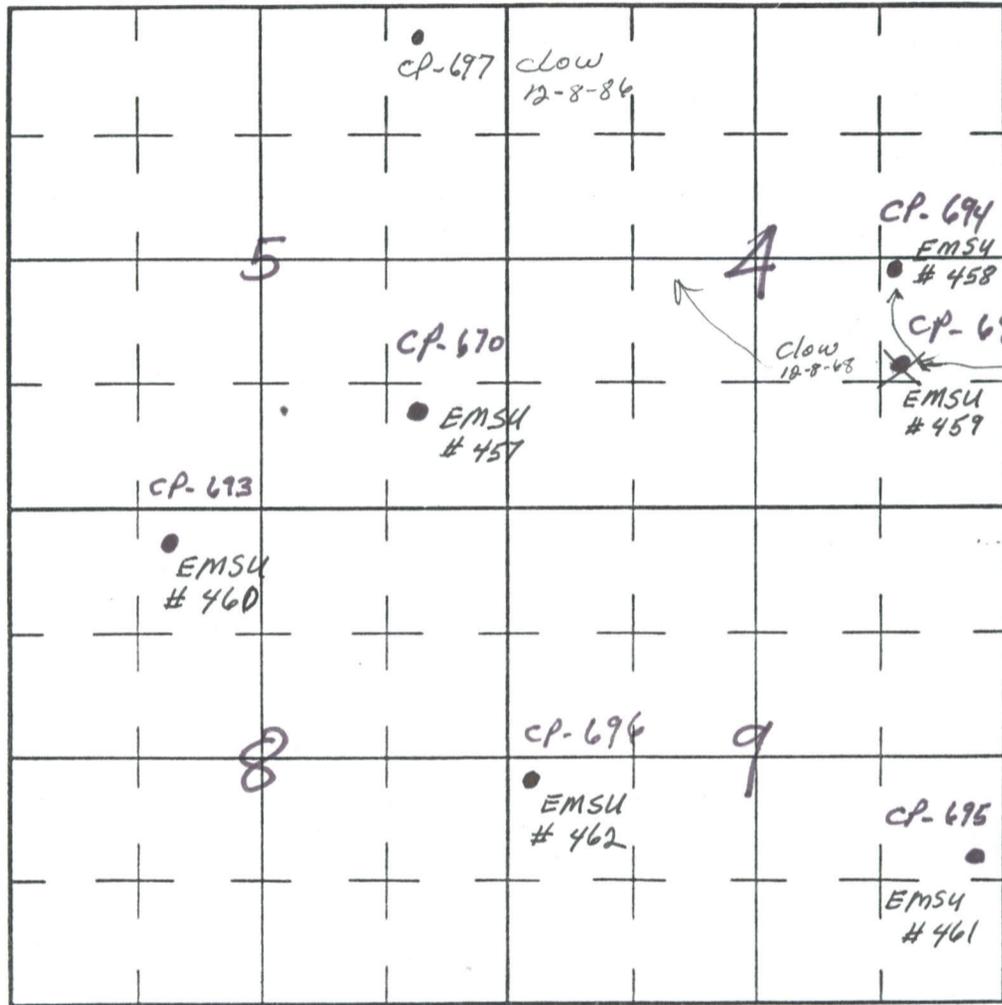
JRH/fh
Encls.
cc: Santa Fe

SECTION 8, TOWNSHIP 21S, RANGE 36E

Scale 1"=1,000'



SECTION 4, 8, 9, TOWNSHIP 21S, RANGE 34E
Scale 1"=1,000'



(Permit)

CP-693 1220 FNL & 1520' FWL
EMSU #460 (NW⁴ NE⁴ NW⁴ Sect. 8-215-36E)

(Well Log) SW⁴ SW⁴ NE⁴ NW⁴ ✓ Sect. 8-215-36E

(PCW) SW⁴ NE⁴ NW⁴ ✓ Sect. 8-215-36E

Footage & Field check CTR. SW⁴ NE⁴ NW⁴ ✓ .1230

CP-694 (Permit) 2640' FNL & 1305' FEL (OK)
NW⁴ Lot 9 Sec. 4-215-36E

(Well Log) NW⁴ NW⁴ SW⁴ NW⁴
(PCW) NW⁴ SW⁴ NW⁴
Footage & Field check NW⁴ Lot 9 Sec. 4-215-36E
2640' FNL & 1320' FEL

CP-695 (Permit) 1540' FSL & 1305' FEL
SE⁴ NE⁴ SE⁴ 9-215-36E

(Well Log) SE⁴ NE⁴ SE⁴ SE⁴
(PCW) SE⁴ NE⁴ SE⁴
Footage & Field check 1540' FSL & 1320' ~~FEL~~ FWL N¹/₂ SW⁴

CP-696 (Permit) 2590' FSL & 50' FWL
NW⁴ NW⁴ SW⁴ 9-215-36E

(Well Log) 2590' FSL & 50' FWL
NW⁴ NW⁴ NW⁴ SW⁴
(PCW) 2950' FSL & 50' FWL
NW⁴ NW⁴ SW⁴
Footage & Field check NW⁴ NW⁴ SW⁴ (OK)

CP-697 (Permit) 1420' FSL & 1220' FEL
SW⁴ NE⁴ SE⁴ 4-215-36E

(Well Log) 1027' FNL & 1740' FEL
SW⁴ NE⁴ NW⁴ NE⁴
(PCW) NE⁴ NW⁴ NE⁴

CP-697 (CLOW) 1020' FNL & 1740' FEL
NW⁴ NE⁴ NE⁴ 5-26-36E

Footage & Field check 1020' FNL & 1740' FEL
E¹/₂ Lot 2 ^{section} 5-215-36E

Out of permitted area
by field check

✓ CP-670 EMSU # 457 (R)
 ✓ CP-693 EMSU # 460 ✓ (R)
 ✓ CP-695 EMSU # 461 ✓ (R)
 ✓ CP-697 EMSU # 459 ✓ ?
 LOT 2 21.36.5. 21.36.

21.36.5. LOT 2

1030' 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 A10:58

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)

I, 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: [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
STATE OF CALIFORNIA
SANTA FE SPRING

SF

Received
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

87 AUG 19 P1:13

(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:

- a. 1220' FNL and 1520' FWL
SW 1/4 SW 1/4 NE 1/4 NW 1/4 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.

A.S. -> See abstractors note on TRM - Comment Section

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: _____

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

State Engineer Representative

FOR USE OF STATE ENGINEER ONLY

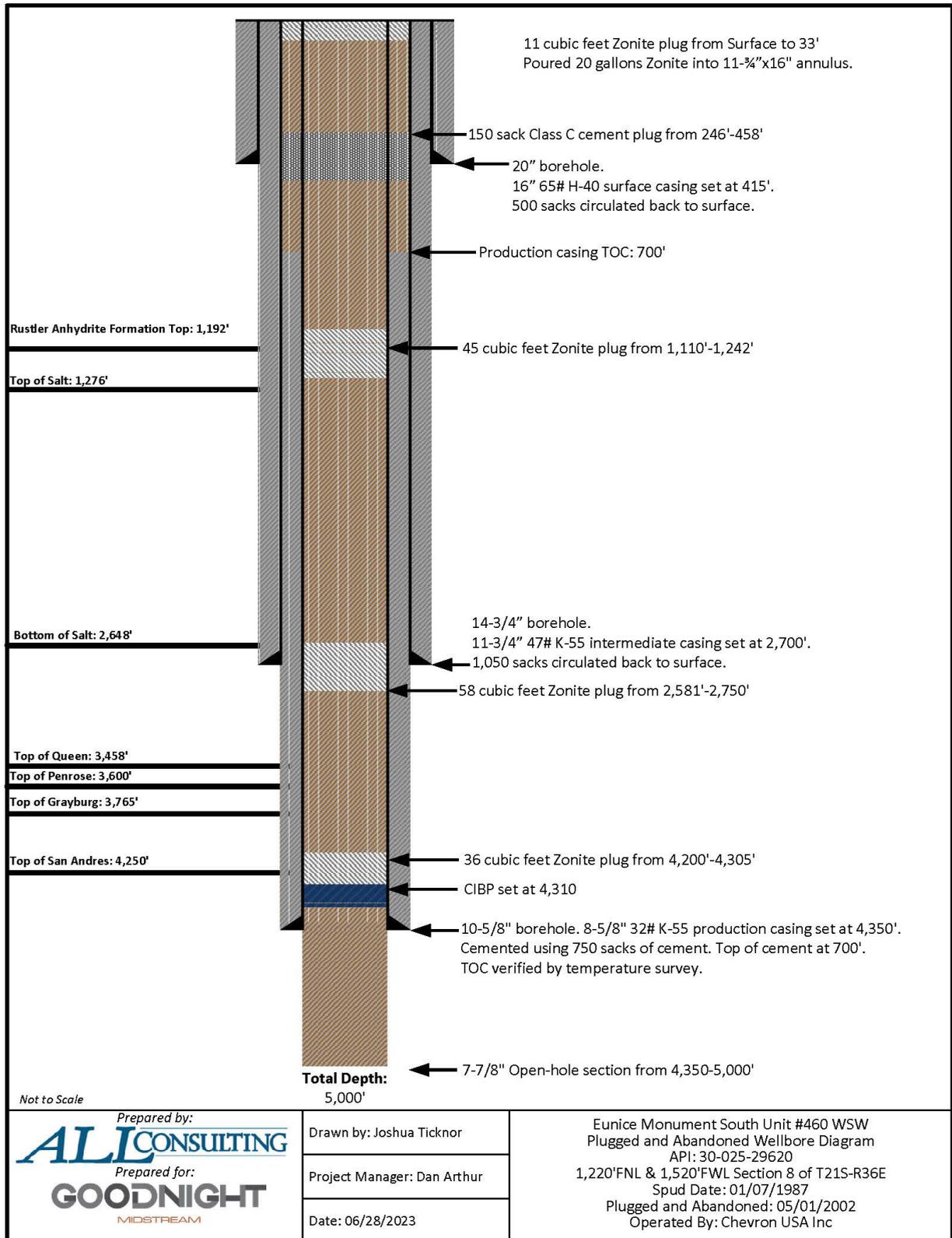
Date Received August 17, 1987

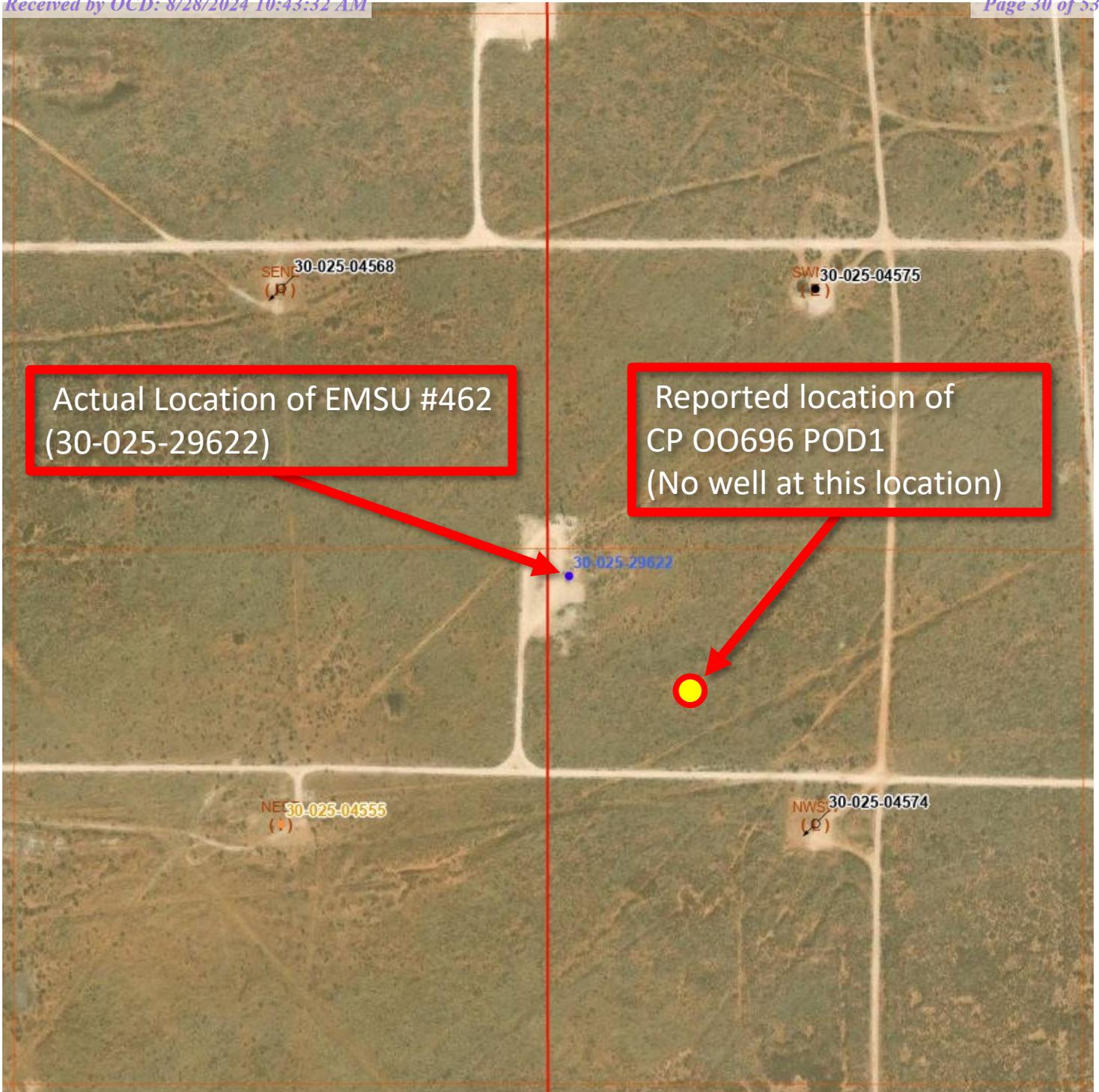
Quad _____ FWL _____ FSL _____

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.



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 waterflood 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.

TRM, # 602473

CP-696

FEB 3 11:35 AM '86
STATE ENGINEER
ROSBELL, NM

POD renumbered
From: CP-696
To: CP-696-POD1

STATE ENGINEER OFFICE
SANTA FE NEW MEXICO
OCT 1 1986 9:07

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.

Portals, 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.

SF

'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,

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

OR

ROUTING SLIP

To: Field Supervisor (Basin) or (County) CAPITAIN

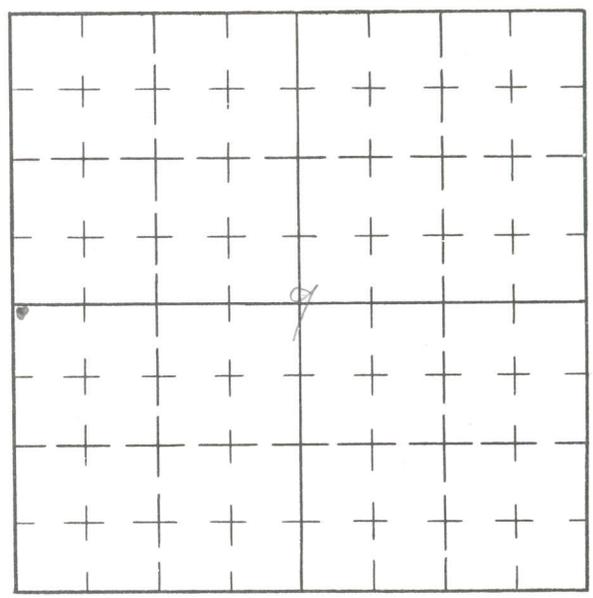
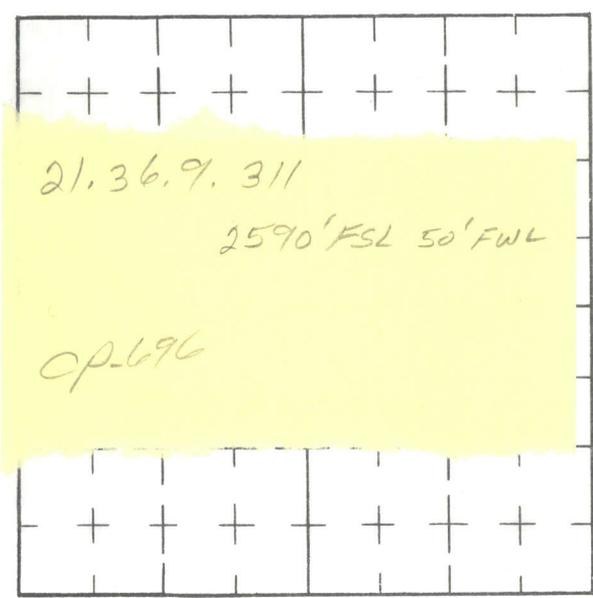
From: _____ Applicant CHEVRON U.S.A., INC.

Land Location _____

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

- Proof of Completion of Works.....
- 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.....

Sec. _____ T. _____ R. _____ Sec. _____ T. _____ R. _____



Old Well (plugged-retained-reduced)

REMARKS: NOTICE OF INTENTION FOR NW¹/₄NW¹/₄SW¹/₄ 9-21-36

2590' FSL & 50' FWL

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

typographical error

OR
2590' FSL & 50' FWL
NW¹/₄ NW¹/₄ SW¹/₄

Permit
Full hole same as permit
logs

Date: 10-7-87

By: Mary L. Neuz

File No. CP-696

Location No. 21.36.9.311

3111

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 ENGINEER
ROSWELL, NM
FEB 25 8 18 AM '86

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, _____
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.

CP 696

SF

KS
2/2

36 FEB 4 A 9:06

February 3, 1986

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.

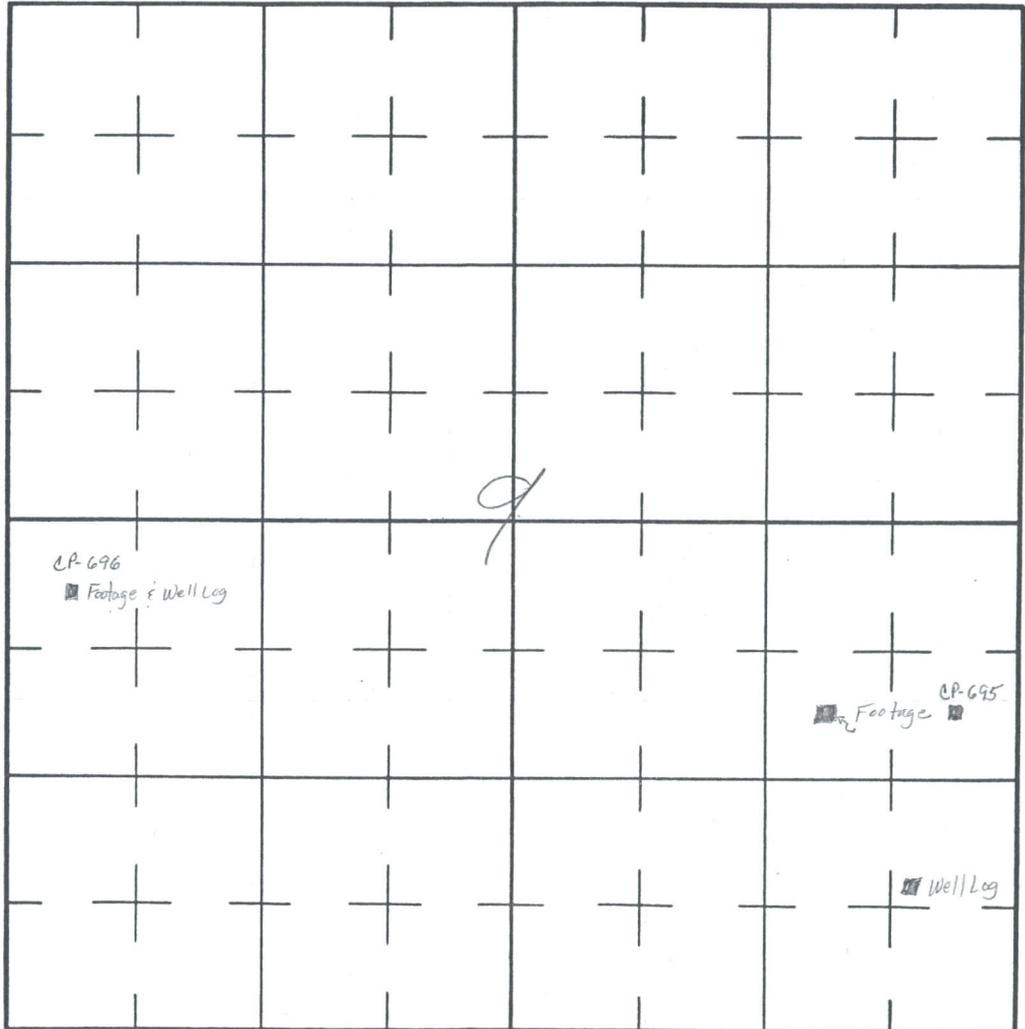
Meter reports for each well will be due in this office on the 10th day of January, April, July and October of each year.

Yours very truly,

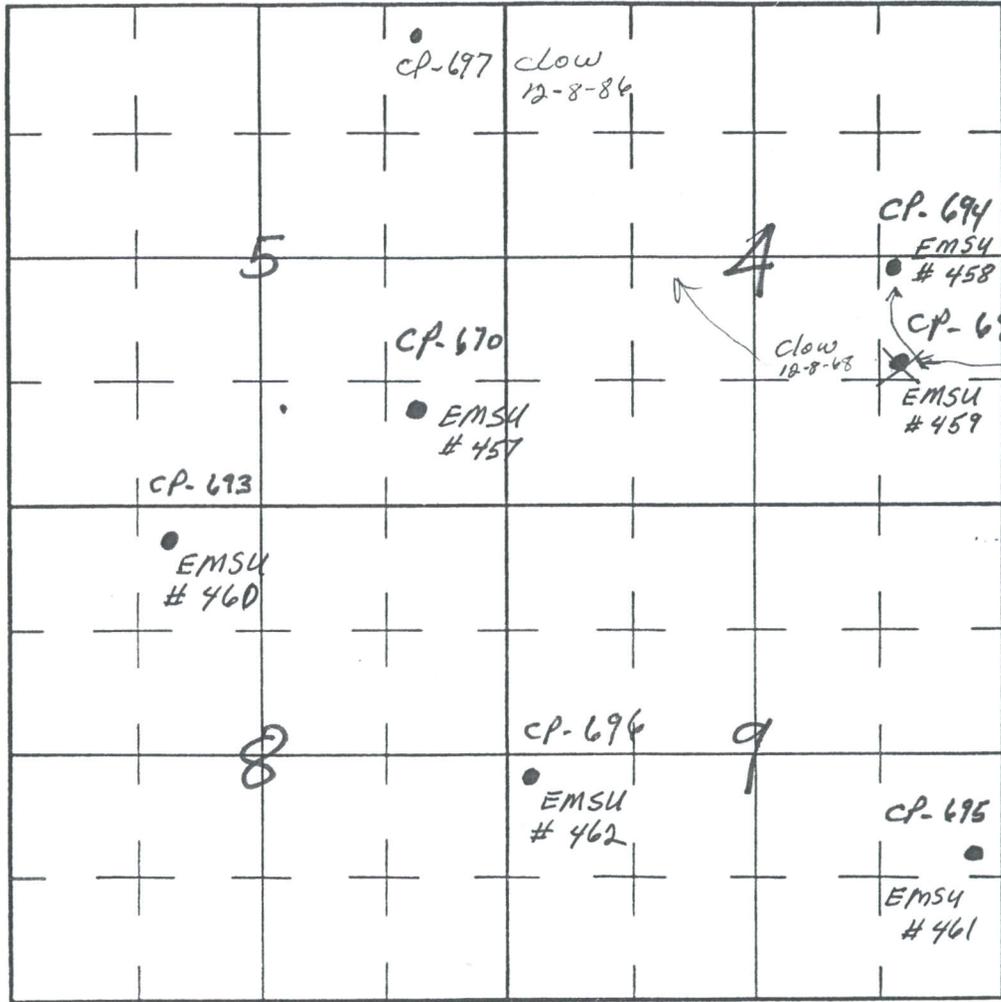
Johnny R. Hernandez
Basin Supervisor

JRH/fh
Encls.
cc: Santa Fe

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



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



(Permit)

CP-693 1220 FNL & 1520' FWL
EMS4 #460 NW^{1/4} NE^{1/4} NW^{1/4} Sect. 8-215-36E

(Well log) SW^{1/4} SW^{1/4} NE^{1/4} NW^{1/4} Sect. 8-215-36E

(PCW) SW^{1/4} NE^{1/4} NW^{1/4} Sect. 8-215-36E

Footage & Field check CTR. SW^{1/4} NE^{1/4} NW^{1/4} ✓ .1230

CP-694 (Permit) 2640' FNL & 1305' FEL (OK)
NW^{1/4} Lot 9 Sec. 4-215-36E

(Well log) NW^{1/4} NW^{1/4} SW^{1/4} NW^{1/4}

(PCW) NW^{1/4} SW^{1/4} NW^{1/4}

Footage & Field check NW^{1/4} Lot 9 Sec. 4-215-36E
2640' FNL & 1320' FEL

CP-695 (Permit) 1540' FSL & 1305' FEL
SE^{1/4} NE^{1/4} SE^{1/4} 9-215-36E

(Well log) SE^{1/4} NE^{1/4} SE^{1/4} SE^{1/4}

(PCW) SE^{1/4} NE^{1/4} SE^{1/4}

Footage & Field check 1540' FSL & 1320' ~~FEL~~ FWL N^{1/2} SW^{1/4}

CP-696 (Permit) 2590' FSL & 50' FWL
NW^{1/4} NW^{1/4} SW^{1/4} 9-215-36E

(Well log) 2590' FSL & 50' FWL
NW^{1/4} NW^{1/4} SW^{1/4}

(PCW) 2950' FSL & 50' FWL
NW^{1/4} NW^{1/4} SW^{1/4}

Footage & Field check NW^{1/4} NW^{1/4} SW^{1/4} (OK)

CP-697 (Permit) 1420' FSL & 1220' FEL
SW^{1/4} NE^{1/4} SE^{1/4} 4-215-36E

(Well log) 1027' FNL & 1740' FEL
SW^{1/4} NE^{1/4} NW^{1/4} NE^{1/4}

(PCW) NE^{1/4} NW^{1/4} NE^{1/4}

CP-697 (CLOW) 1020' FNL & 1740' FEL
NW^{1/4} NE^{1/4} NE^{1/4} 5-26-36E

Footage & Field check 1020' FNL & 1740' FEL
E^{1/2} Lot 2 ^{section} 5-215-36E

(Complete Form in Triplicate)

Revised December 1966

PROOF OF COMPLETION OF WELL

Trn. # 602473

Permit No. CP-696

EMSU 462

1. Name of Water Right Owner Chevron U.S.A. INC. Mailing address P.O. Box 670 City and State Hobbs, NM 88240

88 SEP 27 10:58

2. Permit is for Water supply well from shallow ground water. (supplemental well, change location of well) (artesian or shallow) 2590'

A.S. Artesian WATER OFFICE SANTA FE, NEW MEXICO See abstractor's note on Trn. 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, 110 feet below land surface, (above, below) and pumping level during test, 1400 feet; length of test, 1 1/2 hours; average discharge, 420 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]

STATE ENGINEER'S OFFICE SANTA FE, NEW MEXICO 87 AUG 19 P 1: 13

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
STAFF AND 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

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Chevron U.S.A. Inc. 87 AUG 19 P 1:13
Street or Post Office Address P.O. Box 670 Owner's Well No. EMSU 462
City and State Hobbs, NM 88240

Well was drilled under Permit No. CP-696 and is located in the: SANTA FE, NEW MEXICO
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.
See abstractor's note on Tru-Comment section (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 _____

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.

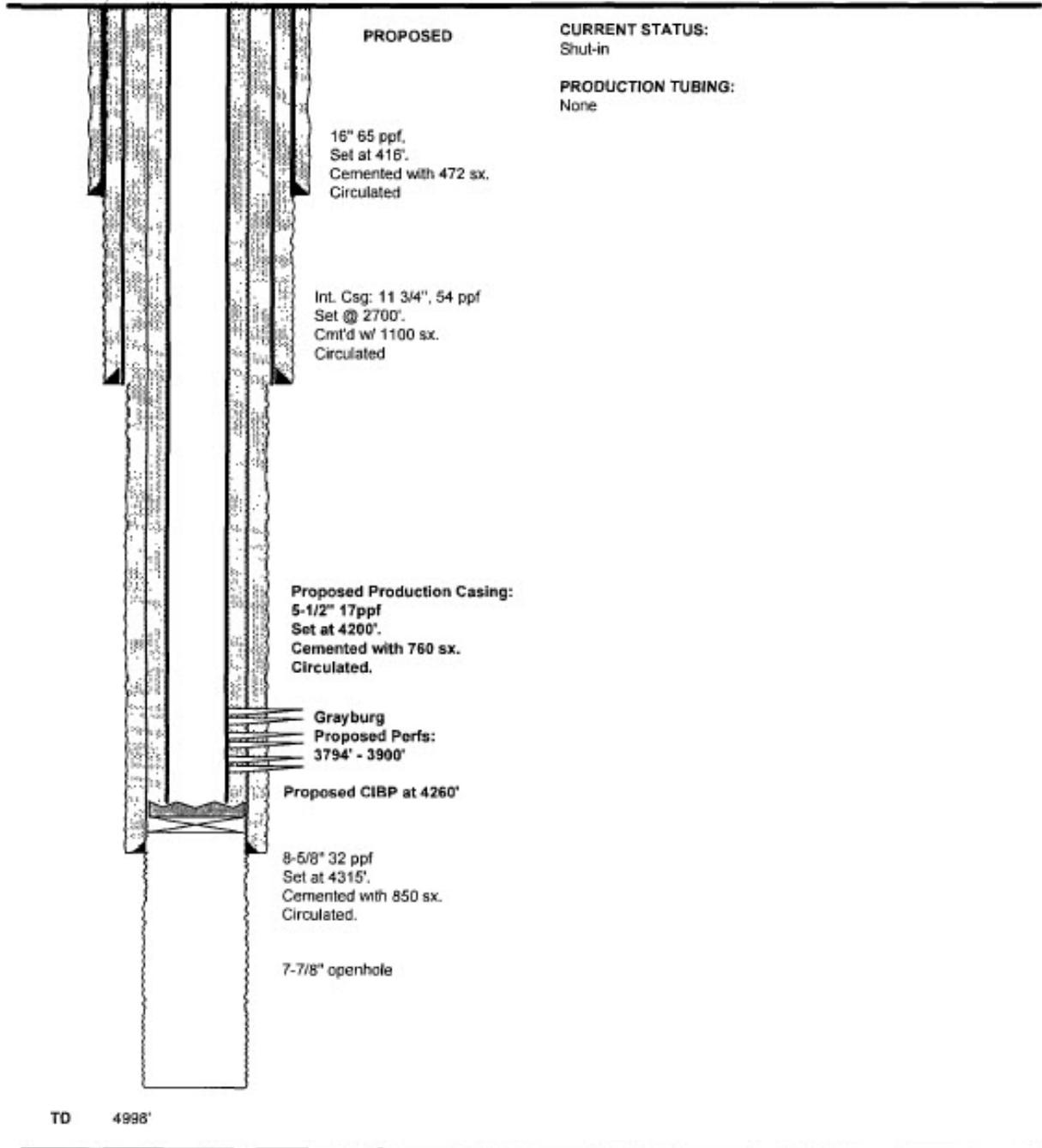
There is no fresh water well at this location. A saline aquifer water supply well, 30-025-29622, named the Chevron EMSU # 462 was drilled instead. A well bore diagram for the EMSU # 462 is provided.

XTO ENERGY



Well: EMSU 462 WSW
Location: Section 9-21S-36E
2590' FSL & 50' FWL
County: Lea
Elevation: 3590' GL 3607' KB

WI:
NRI:
Spud: 7/87
State: New Mexico



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 1468
 MONAHANS TEXAS 79786
 PH 943-3234 OR 943-1040

Martin Water Laboratories, Inc.

789 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 ₃	964	1,830		
Supersaturation as CaCO ₃	75	120		
Undersaturation as CaCO ₃	---	---		
Total Hardness as CaCO ₃	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 ₄	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. 336
 Case No. 8397
 November 7, 1984

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](#)

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

Owner - Chief Regulatory Advisor
Ace Energy Advisors
E. nate.alleman@aceadvisors.com
C. 918.237.0559