

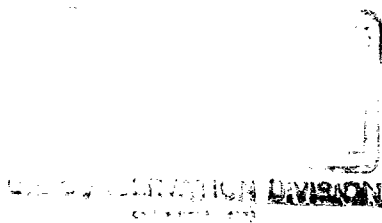
Release



Chevron U.S.A. Inc.
P. O. Box 1660, Midland, TX 79702

June 26, 1985

Production Department
Mid-Continent Division



Application for Administrative Approval
Authorization to Inject
State 32 Lease, Well No. 2
Stateline Ellenburger Field
Lea County, New Mexico

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

Gentlemen:

Administrative approval to convert State 32-2, Stateline Ellenburger Field, to a saltwater disposal well is respectfully requested by Chevron U.S.A. Inc. The subject well is located 1980' FSL, 1980' FEL, Section 32, Township 23 South, Range 38 East, in Lea County, New Mexico.

Produced water will be reinjected into the Ellenburger formation in the perforated interval from 12,152 to 12,195 feet at an average daily rate of 150 BW at approximately 650 psi. The maximum rate will be 300 BWPD at approximately 1500 psi through a closed system.

Conversion of State 32-2 will significantly lower the field operating costs. This will lower the economic limit and increase the field's ultimate recovery, thereby preventing waste.

The attached are submitted in support of this request:

1. Oil Conservation Division Form C-108, "Application for Authorization to Inject;"
2. A plat with the location of the proposed disposal well with the area of review identified;
3. A schematic and history for each well of public record within the area of review;
4. A copy of Oil Conservation Division Form C-103, "Sundry Notices and Reports on Wells;"
5. Geological data on the injection zone and an affirmative statement that shallow aquifers will not be endangered.

6. A copy of the dual laterolog for the State 32 No. 2.

The following is a list of offset operators who have been sent a copy of this application:

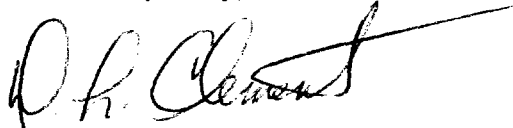
Conoco
P. O. Box 2197
Houston, Texas 77001

Exxon
P. O. Box 1600
Midland, Texas 79702

Marathon
P. O. Box 552
Midland, Texas 79702

If additional information is required concerning this matter, please contact Mr. M. K. Wilson at 915/686-1600.

Yours very truly,

A handwritten signature in black ink, appearing to read "D. L. Clement", with a long horizontal flourish extending to the right.

D. L. Clement
Area Superintendent

MKW:cjc

P055405102

RECEIPT FOR CERTIFIED MAIL

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

SENT TO		MARATHON	
STREET AND NO.		P.O. BOX 552	
P.O. STATE AND ZIP CODE		MIDLAND, TEXAS 79702	
POSTAGE		\$ 56	
CERTIFIED FEE		75	
SPECIAL DELIVERY		•	
RESTRICTED DELIVERY		70	
SHOW TO WHOM AND DATE DELIVERED		•	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		•	
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		•	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		•	
RETURN RECEIPT SERVICE		•	
OPTIONAL SERVICES		•	
CONSULT POSTMASTER FOR FEES		•	
TOTAL POSTAGE AND FEES		\$2.01	
POSTMARK OR DATE		JUN 28 1985	

PS Form 3800, Apr. 1976

P05 5405103

RECEIPT FOR CERTIFIED MAIL

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

SENT TO		EXXON	
STREET AND NO.		P.O. BOX 1600	
P.O. STATE AND ZIP CODE		MIDLAND, TEXAS 79702	
POSTAGE		\$ 56	
CERTIFIED FEE		75	
SPECIAL DELIVERY		•	
RESTRICTED DELIVERY		70	
SHOW TO WHOM AND DATE DELIVERED		•	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		•	
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		•	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		•	
RETURN RECEIPT SERVICE		•	
OPTIONAL SERVICES		•	
CONSULT POSTMASTER FOR FEES		•	
TOTAL POSTAGE AND FEES		\$2.01	
POSTMARK OR DATE		JUN 28 1985	

PS Form 3800, Apr. 1976

P05 5405091

RECEIPT FOR CERTIFIED MAIL

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

SENT TO		CONOCO	
STREET AND NO.		P.O. BOX 2197	
P.O. STATE AND ZIP CODE		HOUSTON, TEXAS 77001	
POSTAGE		\$ 56	
CERTIFIED FEE		75	
SPECIAL DELIVERY		•	
RESTRICTED DELIVERY		70	
SHOW TO WHOM AND DATE DELIVERED		•	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		•	
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		•	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		•	
RETURN RECEIPT SERVICE		•	
OPTIONAL SERVICES		•	
CONSULT POSTMASTER FOR FEES		•	
TOTAL POSTAGE AND FEES		\$2.01	
POSTMARK OR DATE		JUN 28 1985	

PS Form 3800, Apr. 1976

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Chevron U.S.A. Inc.
Address: P. O. Box 1660, Midland, Texas 79702
Contact party: M. K. Wilson Phone: 915/686-1600
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: D. L. Clement Title: Area Superintendent
Signature: [Signature] Date: 6-28-85
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

**ATTACHMENT TO FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT**

III. Well Data

Lease: 32
Well Number: 2
Section: 32
Township: 23S
Range: 38E
Location: 1980' FSL, 1980' FEL

Casing:

Surface

Size: 11 3/4"
Depth: 481'
Cement: 300 sacks
Hole Size: 15"
Top of Cement: Circ. to surface

Intermediate

Size: 8 5/8"
Depth: 3441'
Cement: 750 sacks
Hole Size: 11"
Top of Cement: Circ. to surface

Production

Size: 5 1/2"
Depth: 12,220'
Cement: 475'
Hole Size: 7 7/8"
Top of Cement: 9209' calculated

Tubing:

Size: 2 7/8"
Weight: 6.5#/ft
Threads: 8 Rd EUE
Depth: 12,050'

Packer:

Size: 5 1/2"
Type: Baker Loc-Set

*Depth
Packer est. 7*

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

ATTACHMENT TO FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT

VIII. Geologic Data on Injection Zone

Geologic Name: Ellenburger

Depth: Top of Ellenburger is 12,096'

Thickness: Incomplete penetration, approximately 600' thick in the area

Lithologic Detail: Fine grained to microcrystalline dolomite with scattered vuggy porosity. Most of the Ellenburger is heavily fractured, which provides permeability and some porosity in the reservoir.

Geologic Data on Underground Sources of Drinking Water

Geologic Name: Triassic Santa Rosa

Depth to Bottom: 1,125'

XII. Affirmative Statement

According to the geological information available, there is no reason to believe that there are any faults or hydrologic connections between the Ellenburger and any shallow aquifer.

Date

6/3/85

Robert A. Oberbauer
District Development Geologist

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.O.S.	
LAND OFFICE	
OPERATOR	

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Chevron U.S.A. Inc.	8. Farm or Lease Name State 32
3. Address of Operator P. O. Box 1660, Midland, Texas 79702	9. Well No. 2
4. Location of Well UNIT LETTER <u>J</u> , <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE, SECTION <u>23</u> TOWNSHIP <u>23-S</u> RANGE <u>38-E</u> NMPM.	10. Field and Pool, or Wildcat Stateline (Ellenburger)
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Lea

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER Convert to disposal ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐

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

POOH with rods and pump. ND WH, NU BOPE. POOH with tubing. RIH with packer and PSN. Set packer at $\pm 12,050'$. Establish injection rate into formation. If necessary, acidize with 1500 gallons of 15% NEFE HCl. Load annulus with packer fluid. ND BOPE. Place on injection.

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

SIGNED D. L. Clement D. L. Clement TITLE Area Superintendent DATE 6-13-85

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

**LEGAL NOTICE
JUNE 20, 21, 22, 1983**

**NOTICE OF APPLICATION
TO DISPOSE SALTWATER
IN THE STATELINE
ELLENBURGER FIELD**

Chevron U.S.A. Inc., P. O. Box 1660, Midland, Texas 79702, has applied to the New Mexico Oil Conservation Division for authorization to dispose water in the Stateline Field.

The applicant proposes to reinject produced water into the Ellenburger formation on the State 32 Lease, Well Number 2. The subject well is located 1980 feet FSL and 1980 feet FEL, Section 32, Township 23 South, Range 38 East, Lea County, New Mexico. Fluid will be injected into strata in the depth interval from 12,152 to 12,195 feet at a maximum pressure of 1500 psi and a maximum rate of 300 barrels per day.

Interested parties may file objections or requests for a hearing within fifteen days to the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501.

Requests for further information concerning any aspect of the application should be submitted to Mr. M. K. Wilson with

CALCULATION SHEET
Chevron USA Inc.

12 14 84

MKW

Lease	STATE	Well #	32-1	Field	STATELINE ELLENBURGER
Location	660' FSL 1980' FWL	Section	32	Township	23S
Type of Comp.	SELECTIVELY PERFORATED	Current Status	SHUT-IN	Range	38E
County	LEA	Date Completed	11-24-65	Block	
	State	NEW MEXICO	KB 3319.8	DF 3317	GL 3307

Formation Tops DEVONIAN 9247' (-5927)
FUSSELMAN 10,541' (-7221)
MONTORA 10,822' (-7502)
SIMPSON 11,180' (-7860)
McKEE 11,536' (-8216)
ELLENBURGER 12,014' (-8694)
Oil/Water Contact

Csg. Detail KDB-T/5 1/2" 14.30
1 JT 5 1/2" 20# N-80, LTC R-3 Csg 31.68
112 JTS 5 1/2" 17# (SAA) 3629.18
55 JTS 5 1/2" 15.5# (SAA) 1734.64
64 JTS 17# J-55 2192.17
112 JTS 17# N-80 3899.32
16 JTS 20# N-80 685.17
1 BAKER FL. COLLAR 1.88
1 JT 20# N-80 43.36
1 BAKER GUIDE SHOE 2.10
Tbg. Detail 12,233.80

Perforations

12,064 - 070'
12,077 - 084'
12,088 - 125'
12,146 - 150'
12,154 - 170'

1 CJP

GL TO KDB 12.80
380-JTS 2 7/8" 6.5# N-80, BRD, EYE 12026.18
1-2 7/8" EYE, N-80 PUP 6.13
1-2 7/8" KOBE CAVITY BHA 15.72
2 7/8" EYE x 2 3/8" EYE SWAGE 0.80
2 3/8" x 5 1/2" BAKER MOD "R" PKR 6.90
2 3/8" x 2 7/8" SWAGE 0.58
1-2 3/8" EYE PUP 4.05
12,073.15

BAKER R-3 PKR @ 12,062'
PKR SET DOWN WT 10,000#

Pertinent Data

PBTD 12,185'
TD 12,235'

15" HOLE
11 3/4" Csg. @ 486'
Cmt. w/ 300 SK
CIRC TO SURFACE

11" HOLE
8 5/8" Csg. @ 3410'
Cmt. w/ 1650 SK
CIRC TO SURFACE

7 7/8" HOLE
5 1/2" Csg. @ 12,234'
Cmt. w/ 450 SK

1 3/4" Csg. @ 2380'
TO 1/2" FILLUP FACTOR

WELL DATA SHEET

FIELD Stateline Ellenburger MARATHON

LEASE AND WELL NO. McDonald St. A/C 3-A #1

474'

LOCATION 560 FSL, 2080 FEL, Sec. 32, T23S, R38E

COUNTY AND STATE Lea County, New Mexico

STATUS Shut-in

TD 12,187 GR 3300 DF 3311 KB 3312

SURFACE CASING 13 3/8" OD, 48#, set @ 474' w/500 sxs.

Intermediate casing: 9 5/8" OD, 40#, set @ 3795' w/915 sxs.

PRODUCTION CASING 5 1/2", 17# set to 9799 & 5 1/2", 20#, set at 12,186' w/1460 sxs. Top of cement at 7280'.

3795'

LINER N/A

TUBING 2 7/8", 6.5#, J-55 & N-80 tubing to 11,992'.

2 1/2" X 1 7/16" X 1 1/4" Kobe Free Type hydr. pump comp.

w/bottom-hole assembly set from 11,992' to 12,012'; 2 1/2"

standing valve; 2 3/8" X 3 3/4" Baker lok-set pkr @ 12,018';

2 jts, 2 3/8" tubing w/scalloped pin collar below packer.

PUMPING UNIT N/A

Kobe pump w/bottom hole assembly

LokSet Pkr.

PRESENT COMPLETION (Formation and Interval)

Ellenburger formation; perf from 12,122'-35' w/1 JSPF and

and 12,144'-71' w/1 JSPF.

Ellen.
perfs

12,186'

HISTORY: This well was completed in October 1965 with a potential flowing of 416 BOPD. In March 1969 this well was acidized with 5000 gallons of 15% but failed to increase production above 11 BOPD. Presently, this well is shut-in.

WELL DATA SHEET

FIELD Stateline (Ellenburger) MARATHONLEASE AND WELL NO. McDonald State A/C 3-B No. 1LOCATION 1875' FSL, 1875' FWL, Sec. 32, T23S, R38ECOUNTY AND STATE Lea County, New MexicoSTATUS Shut-inTD 12,249 PBDT 12,211 DF 3301 KB 3302SURFACE CASING 13 3/8", 48#, H-40 @ 469' cemented w/500 sx.(circulated). Intermediate casing: 8 5/8", 24 & 32#, J-55 @ 3258' w/1250 sxs. (circulated).PRODUCTION CASING 5 1/2", 17 & 20#, N-80 @ 12,248' cemented w/1315 sxs. TOC @ 9250'.LINER N/ATUBING 2 7/8", N-80 tubing; on-off tool; Lok Set A-1 packer to 12,034'.*Fluid pac F251611 pump, with bottom hole assembly and standing valve.RODS N/APUMPING UNIT N/A

LokSet A-1 Pkr.

PRESENT COMPLETION (Formation and Interval)

Ellenburger perfs @ 12,044'-12,133 (18 holes)

HISTORY This well was drilled and completed in February 1966 for an IPF of 288 BO, and 132 MCF per day after a 2850 gallon acid cleanup. In March 1966 a Kobe hydraulic pump was installed, increasing production to 391 BOPD. By February 1981 the pump was changed but the the well tested all water and was shut-in.

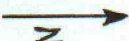
State

U.S.

Ohio
H B P

Stateline Ellenburger Field
Lea County, New Mexico
Scale 1"=1000'

31



state

T 23 S - R 38 E

T 24 S - R 38 E

Pac. West.
H B P

Humble
H B P

6

Humble
(C.E. State)
TD 12,420'

Carper Drig.
(State-A-1)
4100

Marathon

State

32

Marathon

181
5 2

Chevron
H B P

32-1

state

(M'Donald - State)

Marathon

32-2

Chevron
H B P

Marathon

33

State

Humble
H B P

p' (N.Mex. C.B. State)

state

Note: BHP by DST
4537'

3

Pen Amer.
H B P

Tenneco

Crawford 11-17-74

NEW MEXICO
TEXAS

A-806

A-684



Std. of Tex

Std.

Seco Prod.
11-17-74

Std. of Tex.

BHL
12,230

Cont'l.
(Cont'l.-State)

Continental
H B P

5

Donner Prod.
Well

TD 12,161'

2-A

RESULT OF WATER ANALYSES

TO: Mr. J. T. Ray LABORATORY NO. 585237
P.O. Box 579, Hobbs, NM SAMPLE RECEIVED 5-17-85
RESULTS REPORTED 5-21-85

COMPANY Chevron U.S.A., Inc. LEASE State 32-2
FIELD OR POOL State Line
SECTION BLOCK SURVEY COUNTY Lea STATE NM
SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Produced water - taken from State #32-2. 5-17-85
NO. 2
NO. 3
NO. 4

REMARKS: Ellenburger

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0476			
pH When Sampled				
pH When Received	6.83			
Bicarbonate as HCO ₃	549			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	15,200			
Calcium as Ca	4,320			
Magnesium as Mg	1,869			
Sodium and/or Potassium	19,108			
Sulfate as SO ₄	2,179			
Chloride as Cl	38,850			
Iron as Fe	8.5			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	65,526			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	300			
Resistivity, ohms/m at 77° F.	0.127			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

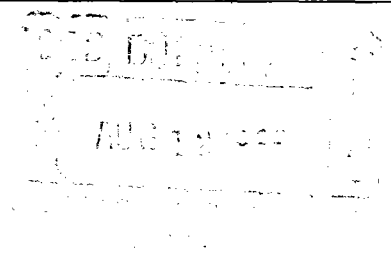
Results Reported As Milligrams Per Liter

Additional Determinations And Remarks When we compare the above with our cataloged records of Ellenburger in this field, we fail to get correlation. However, we note that this water is very similar to the water recovered from Continental State #1 on 7-5-83 reported on laboratory #78331. It is concluded that the subsequent action on Continental State #1 after the above date could give some assistance in addressing the current condition of this well.



Production Department
Hobbs Division
North American Production

Conoco Inc.
P.O. Box 460
726 East Michigan
Hobbs, NM 88240
(505) 393-4141



August 5, 1985

Chevron USA Inc.
P.O. Box 1660
Midland, TX 79702

Attention D. L. Clement

Gentlemen:

Application for Authorization to Inject, State 32 Lease, Well No. 2,
Stateline Ellenburger Pool, Lea County, New Mexico

Conoco Inc., as offset operator, has approved your subject Application. A
copy of your waiver letter is attached.

H. A. Ingram
by D.R.

H. A. Ingram
Conservation Coordinator

:tr
Attachments

WAIVER

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

Attention: David Catanach

Gentlemen:

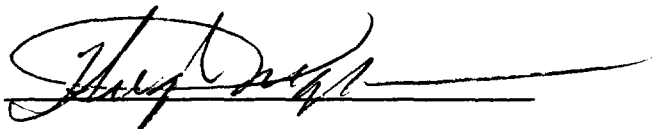
This is to advise that the undersigned has been given due notice that Chevron U.S.A. Inc. has made application to inject produced Ellenburger water into State 32-2, Stateline Ellenburger Field. The subject well is located 1980' FSL, 1980' FEL, Section 32, Township 23 South, Range 38 East, in Lea County, New Mexico.

We hereby waive any objection to the granting of this application to inject into State 32-2.

Executed this 5th day of August, 1985.

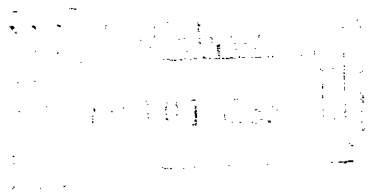
Name of Company

By: _____



Title: Conservation Coordinator

WAIVER



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

Attention: David Catanach

Gentlemen:

This is to advise that the undersigned has been given due notice that Chevron U.S.A. Inc. has made application to inject produced Ellenburger water into State 32-2, Stateline Ellenburger Field. The subject well is located 1980' FSL, 1980' FEL, Section 32, Township 23 South, Range 38 East, in Lea County, New Mexico.

We hereby waive any objection to the granting of this application to inject into State 32-2.

Executed this 29 day of July, 1985.

Marathon O. & C. Co.
Name of Company

By: J. H. Hume

Title: District Engineer