

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF CHEVRON USA INC.
TO APPROVE SALT WATER DISPOSAL
WELL IN EDDY COUNTY, NEW MEXICO.**

CASE NO. _____

APPLICATION

Chevron USA Inc. ("Chevron"), OGRID No. 4323, through its undersigned attorneys, hereby applies to the Oil Conservation Division pursuant to the provisions of N.M. Stat. Ann. § 70-2-12, for an order approving drilling of a salt water disposal well in Eddy County, New Mexico. In support of this application, Chevron states as follows:

(1) Chevron proposes to drill the Severitas 2 State SWD #1 well at a surface location 185' from the North line and 1,082' from the East line, Unit A, Section 2, Township 26 South, Range 27 East, NMPM, Eddy County, New Mexico for the purpose of operating a salt water disposal well.

(2) Chevron seeks authority to inject into the Bell Canyon/Cherry Canyon/Brushy Canyon from 2,343' to 6,012'.

(3) The tubing packer will be set at 2,243' and production casing and cement will be set at 5,500'.

(4) Chevron requests that the Division approve a maximum daily injection rate for the well of 15,000 BWPD.

(5) Chevron requests that a maximum pressure of 468 psi be approved for the well.

(6) A proposed C-108 for the subject well is attached hereto in Attachment A.

(7) The granting of this application will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

WHEREFORE, Chevron requests that this application be set for hearing before an Examiner of the Oil Conservation Division on August 3, 2023; and that after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS
& SISK, P.A.

By: 

Deana Bennett
Earl E. DeBrine, JR.
Post Office Box 2168
500 Fourth Street NW, Suite 1000
Albuquerque, New Mexico 87103-2168
Telephone: 505.848.1800
Attorneys for Applicant

CASE NO. ____: Application of Chevron USA Inc. for approval of salt water disposal well in Eddy County, New Mexico. Applicant seeks an order approving the Severitas 2 State SWD #1 well at a surface location 185' from the North line and 1,082' from the East line, Unit A, Section 2, Township 26 South, Range 27 East, NMPM, Eddy County, New Mexico for the purpose of operating a salt water disposal well. Injection formations will be the Bell Canyon/Cherry Canyon/Brushy Canyon from 2343 feet to 6012 feet. The tubing packer will be set at 2243 feet, and production casing and cement will be set at 5500 feet. The maximum anticipated injection rate will be 15,000 bwpd and maximum surface injection pressure will be 468 psi. Said location is approximately 13 miles southwest of Malaga, New Mexico.

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

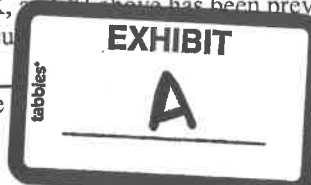
FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Chevron USA Inc.
ADDRESS: 6301 Deauville Blvd, Midland, TX 79706
CONTACT PARTY: Tom Merrifield PHONE: 661-448-7489
- 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 X 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. **ATTACHMENT 1**
- 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. **ATTACHMENT 2**
- VII. Attach data on the proposed operation, including: **ATTACHMENT 3**
- Proposed average and maximum daily rate and volume of fluids to be injected;
 - Whether the system is open or closed;
 - Proposed average and maximum injection pressure;
 - Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 - 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. VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources known to be immediately underlying the injection interval. **ATTACHMENT 4**
- IX. Describe the proposed stimulation program, if any. **ATTACHMENT 5**
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). **ATTACHMENT 6**
- *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. **ATTACHMENT 7**
- 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 sources of drinking water. **ATTACHMENT 8**
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. **ATTACHMENT 9**
- 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: _____ TITLE: _____
SIGNATURE: _____ DATE: _____
E-MAIL ADDRESS: _____
- XV. If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submission: _____

DISTRIBUTION: Original and one copy to Santa Fe with one

ct Office



Side 2

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 the 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, 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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 96100	³ Pool Name SWD; DELAWARE
⁴ Property Code	⁵ Property Name SEVERITAS 2 STATE SWD	⁶ Well Number 001
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.	⁹ Elevation 3172'

¹⁰ Surface Location

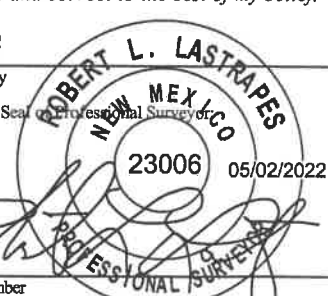
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	26 SOUTH	27 EAST, N.M.P.M.		185'	NORTH	1082'	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	26 SOUTH	27 EAST, N.M.P.M.		185'	NORTH	1082'	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>¹⁶</p> <p style="text-align: center;">A</p> <p style="text-align: center;">HHNM SEVERITAS 2 STATE SWD No.001 X = 555,115' (NAD27 NM E) Y = 392,257' LAT. 32.078306° N (NAD27) LONG. 104.155388° W</p> <p style="text-align: center;">X = 555,295' (NAD83/86 NM E) LAT. 32.078429° N (NAD83/86) LONG. 104.155880° W ELEV. +3172' (NAVD88)</p> <p style="text-align: center;">2</p> <p style="text-align: center;">C</p> <p style="text-align: center;">D</p> <p style="text-align: center;">E</p> <p style="text-align: center;">F</p> <p style="text-align: center;">CORNER COORDINATES TABLE (NAD 27)</p> <p>A - Y=392441.43, X=553545.42 B - Y=392443.13, X=556198.44 C - Y=389739.69, X=553503.51 D - Y=389786.09, X=556173.73 E - Y=387033.94, X=553461.53 F - Y=387127.27, X=556148.39</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>04/27/2022 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p style="text-align: center;">  </p> <p>Certificate Number _____</p>
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INJECTION WELL DATA SHEET

Side 1

OPERATOR: Chevron U.S.A. Inc.WELL NAME & NUMBER: Severitas 2 State SWD 1WELL LOCATION: 185' from North, 1082' from East, A 2, 26 South, 27 East, N.M.P.M.

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

See next page

Hole Size: 17-1/2" Casing Size: 13-3/8"

Cemented with: 253 sx. 337 or ft³

Top of Cement: Surface Method Determined: Volumetric

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 10-3/4"

Cemented with: sx. or ft³

Top of Cement: Surface Method Determined: Volumetric

Production Casing

Hole Size: 9-7/8" Casing Size: 7-5/8"

Cemented with: 377 sx. 901 or ft³

Top of Cement: Surface Method Determined: Volumetric

Total Depth: 5500'Injection Interval

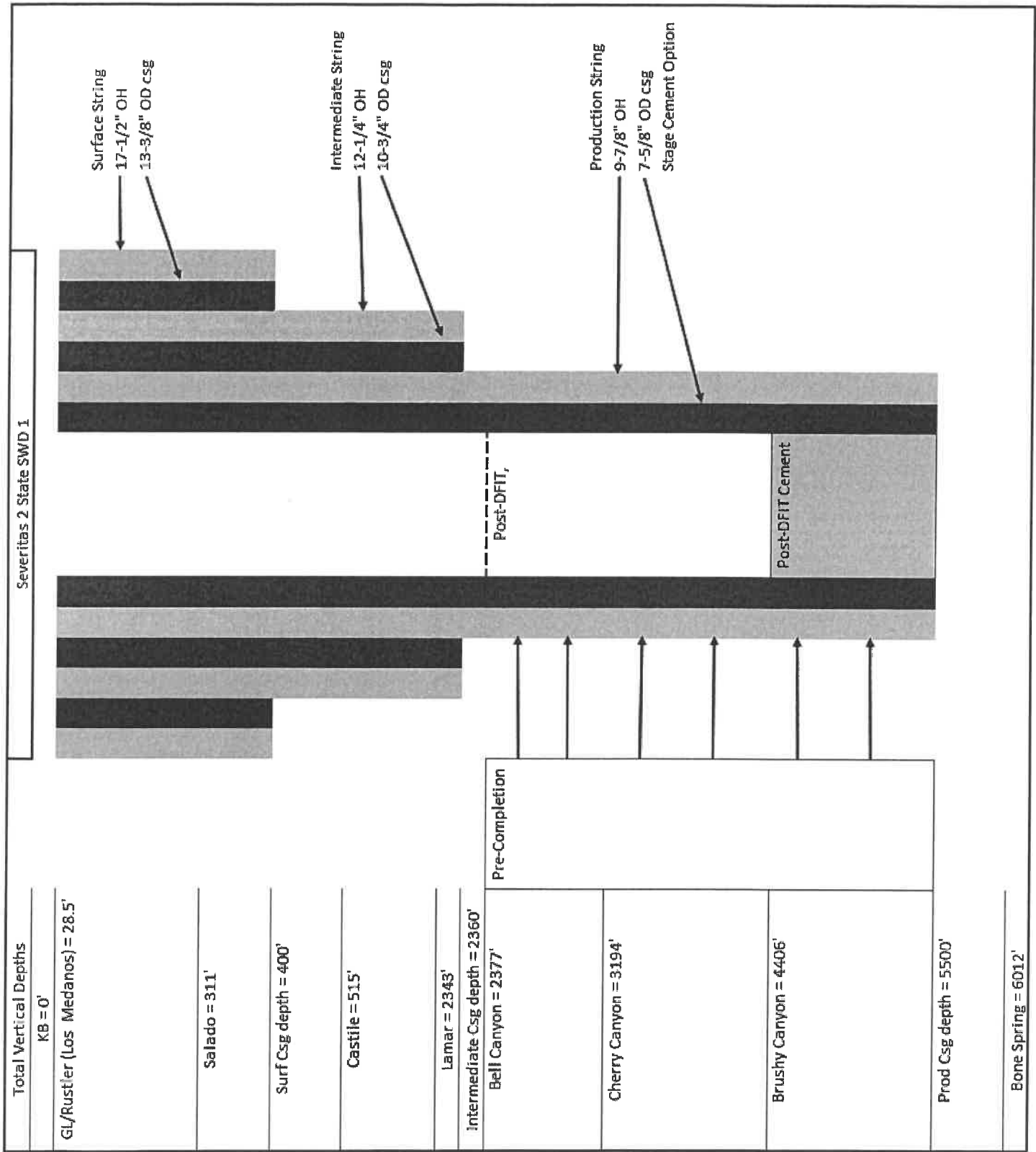
2343 6012' *

feet to feet

* Brushy Canyon is included as a potential injection interval. The Brushy is not intentionally targeted for injection, but the SA&O data and analysis may indicate that fluids migrate into the Brushy, but are contained by the Bone Spring Limestone.

(Perforated or Open Hole; indicate which)

Page 4



Side 2

INJECTION WELL DATA SHEET

Tubing Size: 5-1/2" Lining Material: _____

Type of Packer: Hydraulically set packer

Packer Setting Depth: 2243'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? ☒ Yes ☐ No
- If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: Bell Canyon, Cherry Canyon, and Brushy Canyon *
3. Name of Field or Pool (if applicable): SWD; Delaware
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
No, this is a proposed new SWD well.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Depths are within a 3 mile area.
Atoka (11,643-11,794), Bone Spring (5840-18,860),
Morrow (11,966-12,697), Pennsylvanian (11,154-12,522), and
Strawn (11,694-11,719), and Wolfcamp (9299-21,655)

* Brushy Canyon is included as a potential injection interval. The Brushy is not intentionally targeted for injection, but the SA&O data and analysis may indicate that fluids migrate into the Brushy, but are contained by the Bone Spring Limestone.

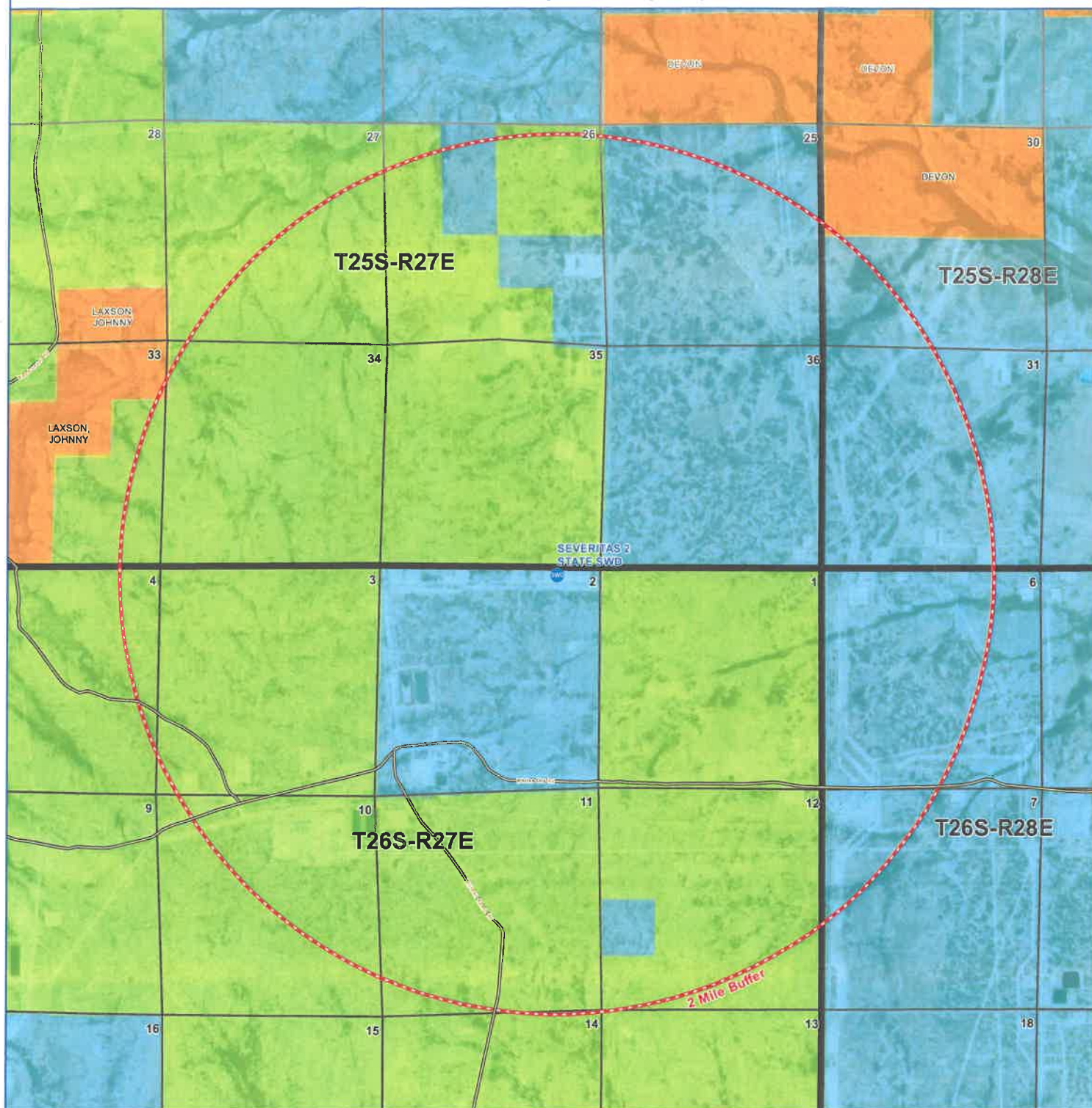
ATTACHMENT 1

Item V



SURFACE OWNERSHIP MAP**SEVERITAS 2 STATE SWD**

Section 2, Township 26 South, Range 27 East, Eddy County, New Mexico



0.2 0.1 0 0.2 0.4 0.6 0.8 Miles
1,000 500 0 1,000 2,000 3,000 4,000 Feet

Map Tech: VKV

1" = 3,250'

Date: 8/17/2022

1:39,000



PO BOX 1001, Fort Worth, Texas 76101

Legend

SWD Proposed SWD

2 Mile Buffer

Federal

State

Private



Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Feet US

**SEVERITAS 2 STATE SWD**

SHL Location & Penetration Point:

185' FNL & 1082' FEL

Section 2, Township 26 South,
Range 27 East of P.M.

Eddy County, New Mexico

OPERATOR:

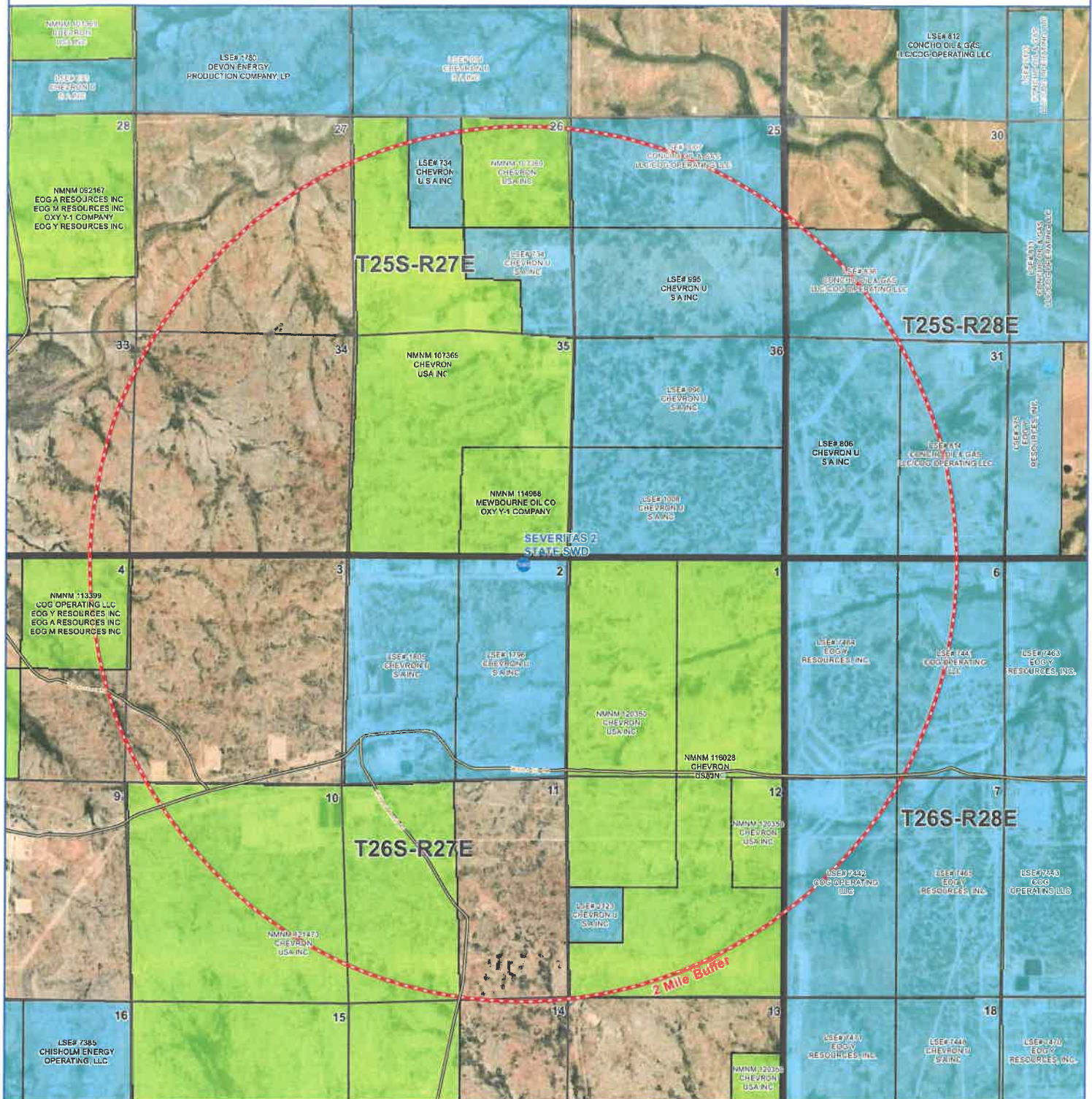
CHEVRON U.S.A. INC.



FEDERAL & STATE LEASES MAP

SEVERITAS 2 STATE SWD

Section 2, Township 26 South, Range 27 East, Eddy County, New Mexico



Map Tech: VKV

1" = 3,250'

Date: 8/17/2022

1:39,000



PO BOX 1001, Fort Worth, Texas 76101

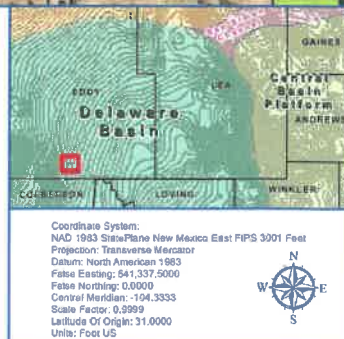
Legend

Proposed SWD

2 Mile Buffer

Federal Lease

State Lease



SEVERITAS 2 STATE SWD

SHL Location & Penetration Point:

185' FNL & 1082' FEL

Section 2, Township 26 South,

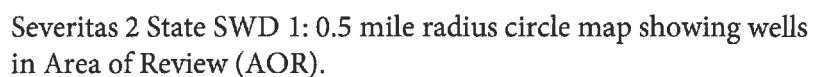
Range 27 East of P.M.

Eddy County, New Mexico

OPERATOR:

CHEVRON U.S.A. INC.





ATTACHMENT 2

Item VI

	Section	Township	Range	Latitude 83	Longitude 83	Measured Depth	Vertical Depth	Associated Pools	Plug Date	Miles from SWD
LLC	36	25S	27E	32.0798	-104.1499	0	0	[98220] PURPLE SAGE, WOLFCAMP (GAS)		0.3
INC	2	26S	27E	32.0785	-104.1632	12,619	7,792	[16800] DELAWARE RIVER, BONE SPRING		0.4
INC	2	26S	27E	32.0785	-104.1588	12,556	7,768	[16800] DELAWARE RIVER, BONE SPRING		0.2
GY	14	25S	26E	32.0814	-104.155	0	0	[97494] COTTONWOOD DRAW, BONE SPRING (O)		0.2
WELL	2	26S	27E	32.0735	-104.1546	0	0	[16800] DELAWARE RIVER, BONE SPRING	5/15/1987	0.3
INC	35	25S	27E	32.0795	-104.154	0	0	[16800] DELAWARE RIVER, BONE SPRING		0.2
GY	24	25S	26E	32.0726	-104.154	0	0	[97494] COTTONWOOD DRAW, BONE SPRING (O)		0.4
INC	2	26S	27E	32.0785	-104.1537	12,759	7,789	[16800] DELAWARE RIVER, BONE SPRING		0.1
LLC	36	25S	27E	32.0798	-104.1498	0	0	[98220] PURPLE SAGE, WOLFCAMP (GAS)		0.3
LLC	36	25S	27E	32.0798	-104.1499	0	0	[98220] PURPLE SAGE, WOLFCAMP (GAS)		0.3
LLC	36	25S	27E	32.0798	-104.1499	0	0	[16800] DELAWARE RIVER, BONE SPRING; [30216] HAY HOLLOW, BONE SPRING, NORTH		0.3

Data tabulation of wells in Area of Review of the Severitas 2 State SWD 1.

WAYNE MOORE

403 N. MARIENFELD
MIDLAND, TEXAS 79701

RECEIVED

APR 25 1983

O. C. D.
ARTESIA, OFFICE

April 18, 1983

Mr. Leslie A. Clements
Supervisor District II
Energy and Mineral Department
P.O. Drawer DD
Artesia, New Mexico 88210

WAYNE MOORE - AZTEC STATE #1, SEC 2-T26S-R27E, LEASE #L-6791,
EDDY COUNTY, NEW MEXICO

Mr. Clements,

This is in reference to your letter of April 11, 1983, concerning
the above listed lease.

The well was perforated in the Bone Springs Section (perfs. 6125-
6727, 37 perforations) and put on pump for testing. Down hole and
surface equipment problems plagued the operation as testing continued,
thus the testing took much longer than anticipated.

The well, although operating at a small profit, is not sufficiently
productive so as to warrant the drilling of additional Bone Springs
wells on this lease. With that in mind a completion in the Delaware
Section is now in the final planning stage.

(See attached letter). We plan to:

- A. Set a cast iron bridge plug at the top
of the Bone Springs.
- B. Spot 50' of cement on top of this bridge
plug.
- C. Perforate below the zones of interest
and circulate cement 200' into the
8-5/8" casing set at 2330'.
- D. Perforate and test zones of interest
in the Delaware Section.

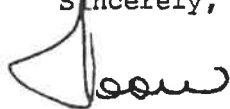
WAYNE MOORE

403 N. MARIENFELD
MIDLAND, TEXAS 79701

Mr. Clements, sorry for the delay in reporting, but we've until recently, been at a loss as to what to do with the well. We will file reports as this work progresses. Please let me know if you require additional information.

Thank you for your help with this problem.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom E. Moore', with a stylized flourish at the end.

Tom E. Moore

TEM/mp

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 20800

SANTA FE, NEW MEXICO 87501

Form 1103
Revised 11-1-79

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LAND OFFICE	
OFFPATCH	

MAY 31 1983

O. C. D.

ARTESIA, OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator

Wayne Moore ✓

Address of Operator

403 N. Marienfeld, Midland

Location of Well

UNIT LETTER H 1980 FEET FROM THE N LINE AND 660 FEET FROM

THE E LINE, SECTION 2 TOWNSHIP 26S RANGE 27E

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

3174' GR

12. County

Eddy

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

NOTICE OF INTENTION TO:

REPAIR REMEDIAL WORK ☒TEMPORARILY ABANDON ☐CLOG ON AFTER CASING ☐OTHER ☐PLUG AND ABANDON ☐CHANGE PLANS ☐OTHER ☐

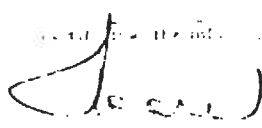
SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPERATIONS ☐CASING TEST AND CEMENT JOB ☐OTHER ☐ALTERING CASING ☐PLUG AND ABANDON ☐

1. List the Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and completing work, SEE RULE 1103.)

- A. Set cast iron bridge plug at 5700' (top of Bone Springs) and spot cement from 5645' to 5700'. (4-27-83)
- B. Perforate two holes at 4890. (4-27-83)
- C. Pump 1300 sacks class "C" cement, 2% Gel, 5 lbs Salt/sk, .3cfe2, ¼ lb cello flake, wt. 13.7 yld = 1.38 (4-28-83)
- D. Ran temperature survey - top of cement 700' from surface.
- E. Perforate 4752 - 4798 with 13 holes. (5-12-83)
- F. Acidize and Frac (5-15-83)
- G. Swab test with oil & gas show (5-17-83)
- H. Put on pump for additional testing (5-25-83)

I, the undersigned, declare the above to be true and complete to the best of my knowledge and belief.



TITLE

TITLE

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPT.

NO. OF COPIES RECEIVED	
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SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.G.S.	
LAND OFFICE	<input checked="" type="checkbox"/>
OPERATOR	

WATER CONSERVATION DIVISION
P. O. BOX 2488
SANTA FE, NEW MEXICO 87501
DEC 03 1984
O. C. D.
ARTESIA, OFFICE

Form C-103
Revised 10-1-70

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REPLENISH OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.WELL ☒ GAS WELL ☐ OTHER: 30-015-23999Name of Operator
WAYNE MOOREAddress of Operator
403 N. Marienfeld, Midland, Texas 79701Location of Well
UNIT LETTER H 1980 FEET FROM THE N LINE AND 660 FEET FROM
THE E LINE, SECTION 2 TOWNSHIP 26S RANGE 27E NMPM.10. Elevation (Show whether SP, RT, CR, etc.)
3174' GL

3a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
3. State Oil & Gas Lease No. E-6791
7. Unit Agreement Name
8. Farm or Lease Name Aztec State
9. Well No. #1
10. Field and Pool, or Wildcat Wildcat-Bone Springs
12. County Eddy

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

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PLUG OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPER. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1 FOR:

Oct. 2, 1984

Spot 25SX Plug @ 4750'

Oct 3, 1984

TAG Plug - Plug in Place
Set Bridge Plug at 2370'
Spot 50 Sx Plug on Top of Bridge Plug
Spot 25 Sx Plug @ 750'
Spot 50 Sx Plug @ 400'
Spot Plug 30' to Surface

Oct 4, 1984

Put up Regulation Surface Marker

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

DATE November 5, 1984 TITLE Partner

APPROVED BY Danell Moore TITLE Geologist DATE May 10, 1987

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
OIL AND MINERAL DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
ARTESIA	<input checked="" type="checkbox"/>
WELL	<input checked="" type="checkbox"/>
U.S. G.S.	<input checked="" type="checkbox"/>
LAND OFFICE	<input checked="" type="checkbox"/>
OPERATOR	<input checked="" type="checkbox"/>

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

RECEIVED BY

MAR 12 1984

O. C. D.
ARTEBIA, OFFICEForm C-101
Revised 10-1-78

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPEN OR PLUG SALS TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
☒ OIL WELL ☐ DRY HOLE

Name of Operator

WAYNE MOORE

Address of Operator

403 N Marienfeld Midland Texas 79701

Location of Well

NE 1/4 Sec. 10, T. 19S, R. 27E, S. 26S, 1980 FEET FROM THE N LINE AND 660 FEET FROM

E LINE, SECTION 2 TOWNSHIP 26S RANGE 27E NMPM.

15. Elevation (Show whether DP, RT, GR, etc.)

3174' GL

State ☒

Fee []

State Oil & Gas Lease No.

L-6791

Unit Agreement Name

Name of Lease Name

AZTEC STATE

Well No.

#1

10. Field and Pool, or WHCet

WILDCAT - P. 1010 S. 26S

12. County

EDDY

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

REMEDIAL WORK

☐

PLUG AND ABANDON

☒

REMEDIAL WORK

☐

ALTERING CASING

☐

SHARPLY ABANDON

☐

COMMENCE DRILLING OPER.

☐

PLUG AND ABANDONMENT

☐

ON ALTER CASING

☐

CHANGE PLANS

☐

CASING TEST AND CEMENT JOG

☐

OTHER

☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1700.

1. Set Bridge Plug @ 2320' in 4 1/2" Casing
2. Spot 50' cement plug on top of Bridge Plug
3. Spot 50' cement plug at 354' in 4 1/2" casing
4. Run 1 joint and spot plug to surface in 4 1/2" casing
5. Put up regulation marker at surface

WELL HISTORY 13 3/8" set at 354' - cement cir.

8 5/8" set at 2320' - cement cir.

4 1/2" set at 6333' cement to 700'

Perf. 6125 - 6478

BP at 5700' 50' cement on top BP

Perf 4752' - 4798'

Perf 2840' - 2920'

Perf 2694 - 2712'

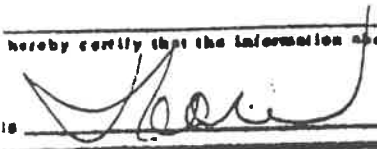
* ADDITIONAL PLUGS

SPOT 25 SX @ 4750' & TAG

SPOT 25 SX @ 750' - (Top Cmt.)

NOTIFY OCD 24 hrs Prior
To setting 1st plug.

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


 Original Signed By
 Leslie A. Clements

TITLE PARTNER

DATE 3-8-84

AUG 21 1984

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. DRAWER DD
ARTESIA, NEW MEXICO 88210

DATE 1-22-85

Wayne Moore

403 N. Marienfield

Midland, Tx. 79701

Gentlemen:

Re: Plugging Reports

Form C-103, Report of Plugging for your Aztec St. 1 H 2-26-27
Lease Well # Unit S-T-R

cannot be approved until a Division representative has made an inspection of the location and found it to be cleared to comply with Division Rules and Regulations. Please check each item in the space provided to indicate that the work has been done.

- () 1. All pits have been filled and leveled.
- () 2. Rat hole and cellar have been filled and leveled.
- () 3. A steel marker 4" in diameter and approximately 4' above mean ground level has been set in concrete. It must show the quarter-quarter section or unit designation, section, township and range numbers which have been permanently stenciled or welded on the marker.
- () 4. The location has been leveled as nearly as possible to original top ground contour and has been cleared of all junk and equipment.
- () 5. The dead men and tie downs have been cut and removed.
- () 6. If a one well lease or last remaining well on lease, the battery and burn pit locations have been leveled and cleared of all junk and equipment.

The above are minimum requirements and no plugging bond will be cancelled until all locations for plugged and abandoned wells have been inspected and Form C-103 approved.

When all of the work outlined above has been done, please notify this office by filling in the blank form below and returning this letter to us so that our representative will not have to make more than one trip to the location.

OIL CONSERVATION DIVISION

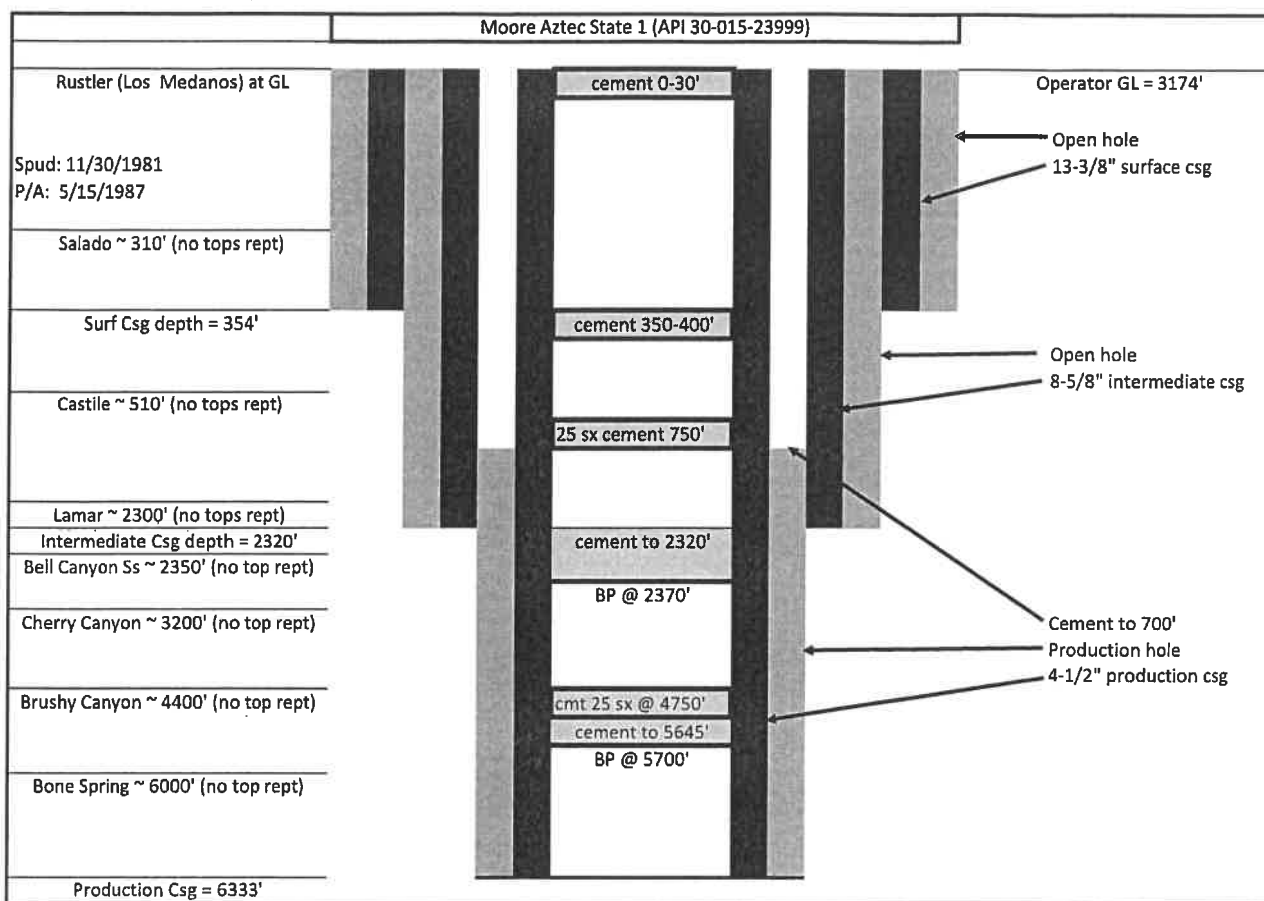
Larry Brooks
DISTRICT GEOLOGIST

FILL IN BELOW AND RETURN

I certify that the above work has been done and the

Lease

is ready for your inspection and approval.



Schematic of plugging detail of Moore Aztec State 1 (API 30-015-23999).

ATTACHMENT 3

Item VII

Item	Well 5.5" tubing	Severitas 2 State SWD #1
1)	Permit Max Rate (bwpd)	15,000
1)	Permit Avg Daily Rate	12,500
2)	System	closed
3)	Permit Max Pressure (psig)	468
3)	Permit Avg Pressure (psig)	400
Item	Water Requirements	
4)	Reinjected produced water	source WQ of injectate and receiving formation is not required per application
5)	Disposal Zone Water	for non-productive in 1 mile
	Chicken Hawk State 1 (API 3001533682)	
	Results on next page	

Water Sample Representative of Receiving Formation Water

Released to Imaging: 7/3/2023 4:41:38 PM

ATTACHMENT 4

Item VIII

Formation/Geologic Feature Tops & Datum	Lithology	TVD (from Datum)	Z (SSSTD)
KB (Kelly Bushing)	Datum	0.0	3200.5
GL (ground surface)	Ground Surface	28.5	3172.0
01 - Rustler (Los Medanos at surface)	Mudstone, Salt & Anhydrite	28.5	3172.0
02 - Salado	Gypsum & Anhydrite	310.5	2890.0
03 - Castile	Anhydrite & Salt	514.8	2685.7
04 - Lamar	Carbonate	2343.3	857.2
05 - Bell Canyon	Sandstone	2376.9	823.6
06 - Cherry Canyon	Sandstone, Siltstone & Carbonate	3193.6	6.9
07 - Brushy Canyon	Sandstone, Mudstone & Carbonate	4405.8	-1205.3
08 - Bone Spring	Carbonate	6011.7	-2811.2

Geologic prognosis tops of all formations to be encountered in the Severitas 2 State SWD 1.

ATTACHMENT 5

Item IX

Proposed acid stimulation as part of the completion for the Severitas 2 State SWD 1.

1. MI/RU Petroplex Acid and Gladiator N2 Unit
2. Perform pressure pumping checklist and record in wellview.
3. Rig up Petroplex acid lines and tie in to 4-1/16" wing valve on tree. Test all lines against wing valve to 2,100 psi for 5 min
 - Install tee in Petroplex lines to allow N2 line to be rigged up. Test all N2 lines against wing valve to 2,100 psi for 5 min
4. Pump Acid job per Petroplex Pump Schedule diverting with N2 as required.
 - Max pressure for job will be 468 psi
 - Discuss with WOE for operational pressure limits during job.
 - Diversion will be treated with 1,250 scf/bbl of N2
5. Once acid is complete R/D Petroplex and Gladiator
6. Secure and shut in well.

ATTACHMENT 6

Item X

No logs have been run on the Severitas 2 State SWD 1. This is a planned well.

The following open hole logs are planned to be run if hole conditions allow: gamma-ray, resistivity, neutron-density, sonic, and image logs.

Production casing will be installed from surface to near the base of the Brushy Canyon Formation. A total of approximately six Diagnostic Fracture Injection Tests (DFITs) are planned for the Bell Canyon, Cherry Canyon and Brushy Canyon Formations. After the DFITs are run, the Brushy Canyon will be plugged. The Cherry Canyon and Bell Canyon will be perforated to the base of the Lamar Limestone. A step rate test will be run on the Bell Canyon and Cherry Canyon Formation permitted injection interval.

ATTACHMENT 7

Item XI



Both the C-02103 and the C-02048 permits have expired with no evidence wells were drilled. The C-02474 was drilled in 1913 and may have not been used past 1918. No lab reports available. The well is confined to the first 100 ft in the Alluvium. No Rustler Aquifer exists in the immediate area.





New Mexico Office of the State Engineer Water Right Summary



WR File Number: C 02048 Subbasin: C Cross Reference: -
 Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
 Primary Status: EXP EXPIRED
 Total Acres: Subfile: - Header: -
 Total Diversion: 0 Cause/Case: -
 Owner: DELAWARE RANCH INC

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
465436	72121	1983-02-02	EXP	EXP	C 02048	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q	64Q16Q4Sec	Tw	Rng	X	Y	Other Location Desc
C 02048			2	02	26S	27E	579582	3549072*	

An () after northing value indicates UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/6/22 9:16 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer Transaction Summary

72121 All Applications Under Statute 72-12-1

Transaction Number: 465436

Transaction Desc: C 02048

File Date: 01/31/1983


Primary Status: EXP Expired Permit

Secondary Status: EXP Expired

Person Assigned: *****

Applicant: DELAWARE RANCH INC

Events

Date	Type	Description	Comment	Processed By
 01/31/1983	APP	Application Received	*	*****
02/02/1983	FIN	Final Action on application		*****
02/02/1983	WAP	General Approval Letter		*****
03/01/1984	EXP	Expired Permit (well log late)		*****
05/20/2011	ARV	Rec & Arch - file location	C 02048 Box: 1870	*****

Change To:

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
C 02048		3		STK 72-12-1 LIVESTOCK WATERING

**Point of Diversion

C 02048	579582	3549072*
---------	--------	----------

An () after northing value indicates UTM location was derived from PLSS - see Help

Remarks

LOCATION: DELEWARE RANCH PROPERTIES

ABSTRACTOR'S NOTE: PER LETTER DATED 03/01/1984, THIS PERMIT IS EXPIRED. NO WELL RECORD ON FILE WITH THE OFFICE OF THE STATE ENGINEER.

Conditions

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.

Action of the State Engineer

** See Image For Any Additional Conditions of Approval **

Approval Code: A - Approved

Action Date: 02/02/1983

Log Due Date: 02/29/1984

State Engineer:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/6/22 9:16 AM

TRANSACTION SUMMARY



New Mexico Office of the State Engineer Water Right Summary



WR File Number: C 02103 **Subbasin:** C **Cross Reference:** -
Primary Purpose: STK 72-12-1 LIVESTOCK WATERING
Primary Status: EXP EXPIRED
Total Acres: **Subfile:** - **Header:** -
Total Diversion: 0 **Cause/Case:** -
Owner: DELAWARE RANCH INC

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/	Acres	Diversion	Consumptive
			1	2		To			
468575	72121	1984-05-14	EXP	EXP	C 02103	T		3	

Current Points of Diversion

POD Number	Well Tag	Source	Q		Tw	Rng	(NAD83 UTM in meters)		Other Location Desc
			64	Q16Q4			X	Y	
C 02103			2	02	26S	27E	579582	3549072*	

An () after northing value indicates UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/6/22 9:12 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer Transaction Summary

72121 All Applications Under Statute 72-12-1

Transaction Number: 468575

Transaction Desc: C 02103

File Date: 05/14/1984

Primary Status: EXP Expired Permit

Secondary Status: EXP Expired

Person Assigned: *****

Applicant: DELAWARE RANCH INC

Events

Date	Type	Description	Comment	Processed By
05/14/1984	APP	Application Received	*	*****
05/14/1984	FIN	Final Action on application		*****
05/14/1984	WAP	General Approval Letter		*****
06/03/1985	EXP	Expired Permit (well log late)		*****
05/23/2011	ARV	Rec & Arch - file location	C 02103 Box: 1871	*****

Change To:

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
C 02103		3		STK 72-12-1 LIVESTOCK WATERING

**Point of Diversion

C 02103 579582 3549072*

An () after northing value indicates UTM location was derived from PLSS - see Help

Remarks

LOCATION: DELAWARE RANCH PROPERTIES.

ABSTRACTOR'S NOTE: PER LETTER DATED 06/03/1985, THIS PERMIT IS EXPIRED. NO WELL RECORD ON FILE WITH THE OFFICE OF THE STATE ENGINEER.

Conditions

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.

Action of the State Engineer

** See Image For Any Additional Conditions of Approval **

Approval Code: A - Approved

Action Date: 05/14/1984

Log Due Date: 05/31/1985

State Engineer:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/6/22 9:14 AM

TRANSACTION SUMMARY



New Mexico Office of the State Engineer Water Right Summary



WR File Number: C 02474 **Subbasin:** CUB **Cross Reference:** -
Primary Purpose: PLS NON 72-12-1 LIVESTOCK WATERING
Primary Status: DCL DECLARATION
Total Acres: 0 **Subfile:** - **Header:** -
Total Diversion: 3 **Cause/Case:** -
Owner: MARTHA SKEEN

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
198101	DCL	1995-12-12	DCL	PRC	C-02474	T	0	3	

Current Points of Diversion

POD Number	Well Tag	Source	Q		TwS Rng	(NAD83 UTM in meters)		Y	Other Location Desc
			64	Q16		X	Y		
C 02474			4	3	02 26S 27E	578964	3548029*		

An () after northing value indicates UTM location was derived from PLSS - see Help

Priority Summary

Priority	Status	Acres	Diversion	Pod Number
12/31/1913	DCL	0	3	C 02474

Place of Use

Q	Q	TwS Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64								
	Q16	Q4Sec	0	3		PLS	12/31/1913	DCL	NO PLACE OF USE GIVEN

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/6/22 9:18 AM

WATER RIGHT
SUMMARY

(W. J. Kelly Polk Wells)
Revised December 1975

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

Declaration of Owner of Underground Water Right

Declaration No. C-2474 Date received December 12, 1995BASIN NAME: Carrizal

STATEMENT

1. Name of Declarant Martha Skem
Mailing Address 321 South Canyon, Carrizal
County of Eddy, State of N. Mex.
2. Source of water supply Shallow (artesian or shallow water aquifer).
3. Describe well location under one of the following subheadings:
a. $\frac{1}{4}$ SE $\frac{1}{4}$ SW of Sec. 2 Twp. 26S. Rge. 27E. N.M.P.M., in
Eddy County.
- b. Tract No. _____ of Map No. _____ of the _____
c. X = _____ feet, Y = _____ feet, N. M. Coordinate System _____ Zone
in the _____ Grant.
On land owned by State of N. Mex.
4. Description of well: date drilled 1913 driller Heples Bros. Depth 100 feet.
outside diameter of casing 6 inches; original capacity 5 gal. per min.; present capacity 5
gal. per min.; pumping lift _____ feet; static water level _____ feet (above) (below) land surface;
make and type of pump Windmill
make, type, horsepower, etc., of power plant _____
Fractional or percentage interest claimed in well 100%
5. Quantity of water appropriated and beneficially used 3 acre ft.
(acre feet per acre) (acre feet per annum)
for Livestock purposes.

6. Acreage actually irrigated _____ acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner

(Note: location of well and acreage actually irrigated must be shown on plot on reverse side.)

7. Water was first applied to beneficial use _____ month _____ day _____ year 1913 and since that time
has been used fully and continuously on all of the above described lands or for the above described purposes except
as follows: _____

8. Additional statements or explanations These wells and tanks were put into use between 1912 and 1918 by the Heples Bros. Since then the Ranch has changed ownership from James Pardee Britton, Fowler Bros, Delmaria Ranch, Inc. and Martha Skem.

I, _____ being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

by: Martha W. Skem, declarant.Subscribed and sworn to before me this 1 day of DECEMBER, A.D. 1995My commission expires 02/22/99

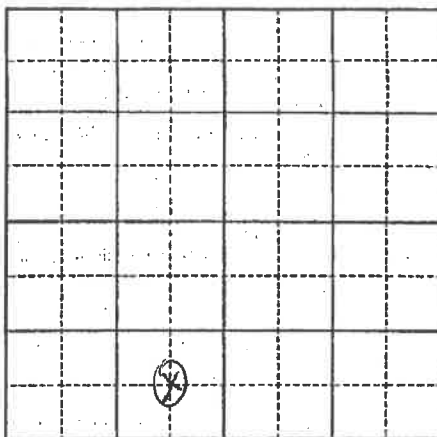
FILED

UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF FACTS AND DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

T-198101

Locate well and areas actually irrigated as accurately as possible on following plat:

Section (s) _____ Township _____ Range _____ N. T. R. M.



INSTRUCTIONS

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a \$1.00 filing fee. Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

Sec. 4. Fill out all blanks applicable as fully as possible.

Sec. 5. Irrigation use shall be stated in acre feet of water per acre per year applied on the land. If used for domestic, municipal, or other purposes, state total quantity in acre feet used annually.

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest $2\frac{1}{2}$ acre subdivision. If located on unsurveyed lands, describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.

Sec. 7. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.

Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

SK



STATE OF NEW MEXICO

STATE ENGINEER OFFICE
ROS WELL

THOMAS C. TURNEY
State Engineer

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

December 12, 1995

FILES: C-2474
C-2473 thru C-2481;
LWD-C-64 thru LWD-C-70

Martha Skeen
321 South Canyon
Carlsbad, NM 88220

Dear Ms. Skeen:

Enclosed are your copies of Declaration of Owner of Underground Water Right, and Declaration of Ownership of Livestock Water Dam or Tank, as numbered above, which have been accepted for filing in the office of the State Engineer.

Please refer to these numbers in all future correspondence concerning these declarations.

The acceptance for filing of these declarations by this office does not indicate affirmation or rejection of the statements contained therein.

Sincerely,

A handwritten signature in dark ink, appearing to read "Richard C. Cibak".

Richard C. Cibak
Area Supervisor

tg
Enclosures
cc: Santa Fe
Hydro Section

STATE ENGINEER OFFICE
DISTRICT II
ROS WELL
DEC 15 PM 10 51

ATTACHMENT 8

Item XII



George T. (Tom) Merrifield, Jr., PG
SWD DRP Geologist
Chevron U.S.A. Inc.
6301 Deauville Blvd
Midland, TX 79706
Phone +1 661-448-7489
tommerrifield@chevron.com

April 10, 2023

Dylan Fuge, Acting Director
Oil Conservation Division
1220 South St. Francis Dr.
Sante Fe, New Mexico 87505

**Re: Affirmation Statement C-108 Applications
Papa Squirrel SWD 1 and Severitas 2 State SWD 1**

Dear Mr. Fuge:

With the increase of induced seismicity due to deep produced water injection, in 2021 Chevron decided to evaluate the potential for shallow injection in both Texas and New Mexico with exhaustive manpower and technical effort.

This effort led to the following technical evaluations of the DMG: (1) the location of high confident shallow faults in our active development areas using available seismic reflection data (2) assessment of seismic risk of any such shallow faults, (3) other geologic and reservoir engineering assessments addressing storage capabilities, potential impacts, and mitigation, and (4) collaboration and joint efforts with other operators.

Both the Papa Squirrel SWD 1 and Severitas 2 State SWD 1 are locations which we find no indication of open faults at the surface or in the subsurface and no indication of hydraulic connection between the proposed injection zone (Bell Canyon and Cherry Canyon) and an underground source of drinking water (USDW). Both locations have low potential for fault slip and induced seismicity.

Respectively yours,

A handwritten signature in black ink, appearing to read "G. T. Merrifield, Jr.".

G. T. Merrifield, Jr., PG
TX (#10838) and CA (#9274)

ATTACHMENT 9

Item XIII

Notices will be sent to the following surface owners, leasehold operators, mineral interest owners, etc., within ½ mile radius.

- Bureau of Land Management
- State Land Office
- COG Operating, LLC

Note: Chevron is the operator of the wells within the 0.5 mile area of review shown in Attachment 1.