

AE Order Number Banner

Application Number: pSYS2533938848

Initial Application Part I

SWD-2682

SOLARIS WATER MIDSTREAM, LLC [371643]

Received: 11/14/2025



October 1, 2025

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

Subject: Solaris Water Midstream, LLC
Application for Authorization to Inject
MD NM L6 S22 SWD #1

OCD

Solaris Water Midstream, LLC (Solaris) is applying for administrative approval of the attached Application for Authorization to Inject (Form C-108) for their proposed MD NM L6 S22 SWD #1. The application is requesting authorization to dispose of saltwater from oil and gas production in the area via commercial disposal into the San Andres & Glorieta Formation in Lea County, NM.

Questions regarding this application or the included materials can be directed to Nate Alleman (Solaris Regulator Advisor Contractor) via telephone at 918-237-0559 or via email at nate.alleman@aceadvisors.com.

Sincerely,

A handwritten signature in black ink that reads "Nathan Alleman".

Nate Alleman
Chief Regulatory Advisor
Ace Energy Advisors

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Solaris Water Midstream **OGRID Number:** 371643
Well Name: MD NM L6 S22 SWD #1 **API:** 30-015-xxxxx
Pool: SWD; San Andres-Glorieta **Pool Code:** 96127

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
- A. Location – Spacing Unit – Simultaneous Dedication
☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD
- B. Check one only for [I] or [II]
- [I] Commingling – Storage – Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR
- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
- A. ☒ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☒ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☒ Surface owner
 G. ☒ For all of the above, proof of notification or publication is attached, and/or,
 H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application Content Complete

- 3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Nathan Alleman

Print or Type Name

10/31/2025

Date

918-237-0559

Phone Number

nate.alleman@aceadvisors.com

e-mail Address

Nathan Alleman

Signature

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 ☒ _____ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No
- II. OPERATOR: Solaris Water Midstream, LLC
ADDRESS: 907 Tradewinds Blvd, Midland, TX 79706
CONTACT PARTY: Ace Energy Advisors - Nate Alleman PHONE: (918) 237-0559
- 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 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.
- 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 sources 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: Nate Alleman TITLE: Regulatory Consultant
SIGNATURE:  DATE: 10/31/2025
E-MAIL ADDRESS: nate.alleman@aceadvisors.com
- * 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 submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District 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.

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.**

Operator: Solaris Water Midstream, LLC (OGRID# 371643)
 Lease/Well Name & Number: MD NM L6 S22 SWD #1
 Legal Location: 327' FSL & 358' FEL - Unit P – Section 22 T19S R38E – Lea County
 Coordinates: 32.63936693, -103.1289237

- (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.**

Casing String	Hole Size (in)	Casing Size (in)	Casing Depth (ft)	Sacks Cement (sx)	Top of Cement (ft)	Method Determined
Surface	17-1/2	13-3/8	1,629	1,475	0	Circulation
Production	12-1/4	9-5/8	5,801	1,625	0	Circulation

A wellbore diagram is included in **Attachment 1**.

- (3) A description of the tubing to be used including its size, lining material, and setting depth.**

7" fiberglass-coated tubing set at 4,125'

- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.**

Arrowset AS-1X Retrievable Packer (or equivalent) set at 4,125'

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.**

Injection Formation Name - San Andres & Glorieta
 Pool Name - SWD; San Andres-Glorieta
 Pool Code – 96127

- (2) The injection interval and whether it is perforated or open-hole.**

Cased-hole injection between 4,225' - 5,801'

- (3) State if the well was drilled for injection or, if not, the original purpose of the well.**

New drill for injection

- (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.**

None

- (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.**

Overlying Oil and Gas Zones:

- Yates (2,818')
- Seven Rivers (3,051')

Underlying Oil and Gas Zones:

- Yeso/Paddock (5,975')
- Abo (7,102')

V. AOR Maps

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.

The following figures are included in **Attachment 2**:

- 0.5 and 2.0-Mile Well Map
- 0.5-Mile Well List
- 0.5-Mile and 2-Mile Lease Map
- 0.5-Mile Surface Ownership Map
- 0.5-Mile Mineral Ownership Map
- Potash Map

VI. AOR List

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.

Details of the wells within the 0.5-mle AOR are included in **Attachment 2**. Nine wells within the 0.5-mle AOR penetrate the top of the proposed injection zone.

VII. Operational Information

Attach data on the proposed operation, including:

- (1) Proposed average and maximum daily rate and volume of fluids to be injected;**

Maximum: 25,000 bpd

Average: 15,000 bpd

- (2) Whether the system is open or closed;**

The system will be closed.

- (3) Proposed average and maximum injection pressure;**

Maximum: 845 psi (surface)

Average: approx. 600 psi (surface)

- (4) Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water;**

It is anticipated that produced water from Bone Spring & Wolfcamp production wells in the area will be injected into the proposed SWD. Therefore, water analysis from these formations was obtained and is included in **Attachment 3**.

- (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.).**

The proposed injection interval for this SWD is the San Andres & Glorieta formation, which is a non-productive zone known to be compatible with formation water from the Bone Spring & Wolfcamp formations. Water analyses of samples collected from the proposed injection formation in the area were obtained and are included in **Attachment 4**.

VIII. Geologic Description

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.

The proposed injection interval between depths of 4,225 and 5,801 feet below ground level will span the San Andres Formation and the Glorieta Member of the Yeso Formation. The San Andres consists of cyclically interbedded carbonates (limestone and dolomite), with variable minor proportions of anhydrite. The Glorieta consists of siliciclastics (sandstone and siltstone) intercalated with carbonates. Locally, near the subject well, the carbonates are dolomitic based on density porosity and photoelectric log responses.

The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, has been determined to occur at the top of the Rustler Formation, at a depth of 1,604 feet below ground level. The total thickness separating the lowermost USDW and the upper injection interval is anticipated to be approximately 2,621 feet. Water wells in the area for domestic/livestock use are drilled to a depth of approximately 75' - 180'.

Upper confinement is provided by the overlying Artesia Group. At the subject well, the Artesia Group is expected to be 1,407 feet thick. In the project area, the Queen Formation will be a strong barrier to flow as it is approximately 598 feet thick with overall low (<2%) neutron porosity. Examination of local logs indicates the Queen Formation is a dolomite with anhydrite, based on the suppressed density porosity (negative DPHI on a limestone matrix), elevated bulk density (2.6 to 2.98 g/cc), and elevated photoelectric response (>4 b/e).

The injection interval is further isolated from the overlying USDW by the Ochoan evaporite formations of the Salado and Rustler. In aggregate, the Ochoan evaporites, composed primarily of halite and anhydrite, are expected to be approximately 1,060 feet thick.

Lower confinement will be ensured by multiple 50- to 100-foot-thick packages of low-porosity and high-resistivity dolomite in the upper portion of the Yeso Formation (underlying the Glorieta and overlying the Tubb Sand).

All stated depths and thicknesses are estimates, derived from mapping, utilizing offset logs that have penetrated the San Andres and Glorieta. If conditions allow a full set of open-hole wireline logs will be collected from the subject well, including, but not limited to, gamma-ray, resistivity, and neutron-density porosity.

IX. Proposed Stimulation Program

Describe the proposed stimulation program, if any.

A minor acid job utilizing 15-20% hydrochloric acid may be used to cleanup the wellbore.

X. Logging and Test Data

Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

Logs will be run and submitted to the Division once the well is completed.

XI. Groundwater Wells

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.

A review of New Mexico Office of the State Engineer (OSE) data returned records of 115 groundwater wells located within the Subject SWD's 1-mile water well sampling radius. Of these, 98 water wells have been determined to be potential sampling candidates. Two wells have been sampled and analyzed.

Attachment 5 includes a map and corresponding table summarizing relevant details of the water well records within the one-mile radius as well as the analysis from two wells.

XII. No Hydrologic Connection Statement

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.

A geologic review conducted on offset wireline log data and published regional studies did not identify any faulting in the vicinity of the proposed locations that would allow for the hydraulic communication between the injection interval and overlying USDWs. The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, was determined to occur at the top of the Rustler formation at a depth of 1,604'.

Attachment 6 includes a geology statement.

XIII. Proof of Notice

Applicants must complete the "Proof of Notice" section on the reverse side of this form.

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.

A copy of the application was mailed to the Affected Persons, including the OCD District Office, surface owner, leasehold operators within the AOR, and BLM/SLO if they own minerals within the AOR. **Attachment 6** includes a list of the Affected Persons receiving notice of the application and the associated certified mailing receipts (green sheets).

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.

A Public Notice was published in the Hobbs NewsSun, a newspaper of general circulation in the area, and the associated affidavit is included in **Attachment 7**.

Attachment 1

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	<div style="text-align: right;"> C-102 Revised July 9, 2024 Submit Electronically via OCD Permitting </div> <div> Submittal Type: <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <input type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled </div> </div>
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WELL LOCATION INFORMATION

API Number	Pool Code 96127	Pool Name SWD; San Andres-Glorieta
Property Code	Property Name MD NM L6 S22 SWD	Well Number #1
OGRID No. 371643	Operator Name SOLARIS WATER MIDSTREAM, LLC	Ground Level Elevation 3596'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

Surface Location

UL P	Section 22	Township 19-S	Range 38-E	Lot	Ft. from N/S 327 FSL	Ft. from E/W 358 FEL	Latitude 32.63936693 °N	Longitude 103.1289237 °W	County LEA
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Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Last Take Point (LTP)


UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Unitized Area or Area of Uniform Interest	Spacing Unit Type <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation:
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.



 10 1 2025
 Signature Date

Printed Name

Email Address

SURVEYOR CERTIFICATIONS

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.

 
 Signature and Seal of Professional Surveyor

Certificate Number

Date of Survey

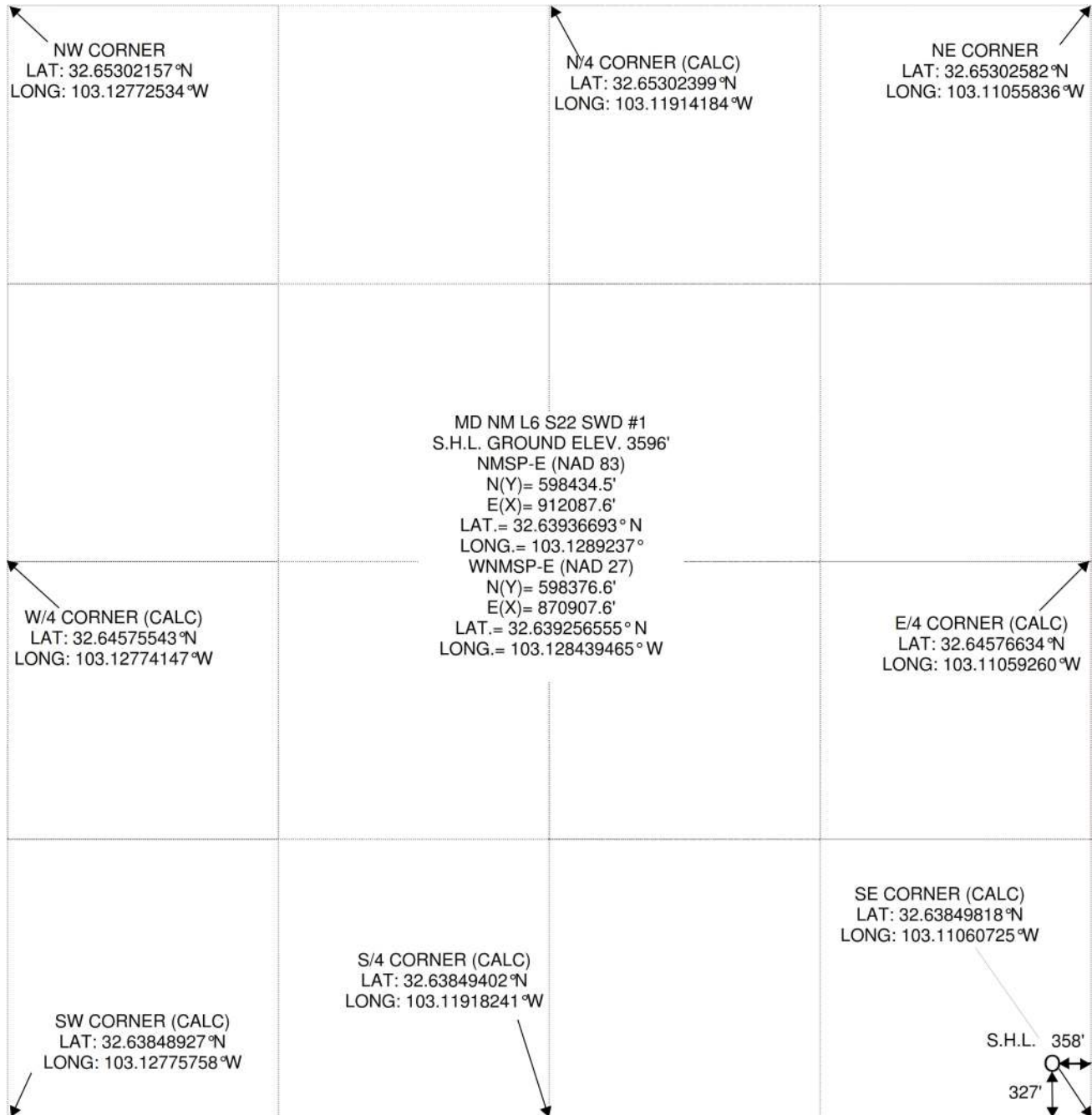
24876

9-26-2025, REV. 9-29-2025

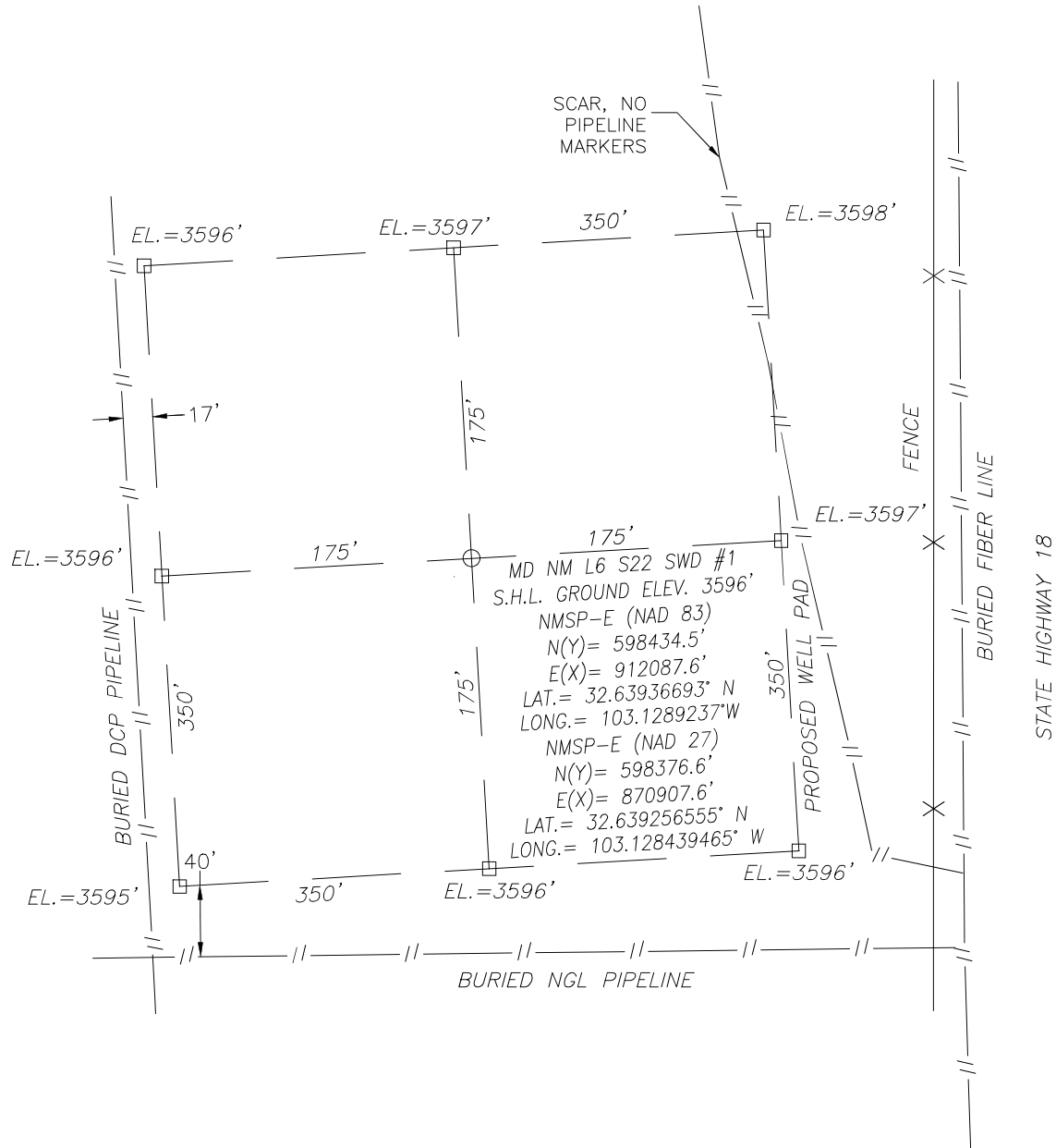
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



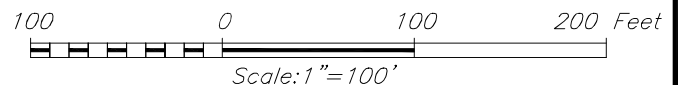
SECTION 22, TOWNSHIP 19 SOUTH, RANGE 38 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION:

BEGINNING IN HOBBS, NEW MEXICO AT THE INTERSECTION OF HWY. 62/180 AND STATE HWY. 18, HEAD SOUTH ON STATE HWY. 18 FOR ±3.9 MILES. THE WELL STAKED LOCATION FLAG IS WEST ±330 FEET.

ELEVATIONS SHOWN WERE DERIVED FROM STATIC GPS AND ARE IN N.A.V.D. 1988 DATUM.



DOWNTOWN DESIGN SERVICES, INC.
16 EAST 16th STREET, SUITE 400
TULSA, OK 74119
Tel: 918-592-3374 Fax: 918-221-3940
www.ddsiglobal.com

SOLARIS WATER MIDSTREAM, LLC.

MD NM L6 S23 SWD #1
LOCATED 327 FEET FROM THE SOUTH LINE
AND 358 FEET FROM THE EAST LINE OF SECTION 22,
TOWNSHIP 19 SOUTH, RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: JUNE 27, 2024

PAGE: 1 OF 1

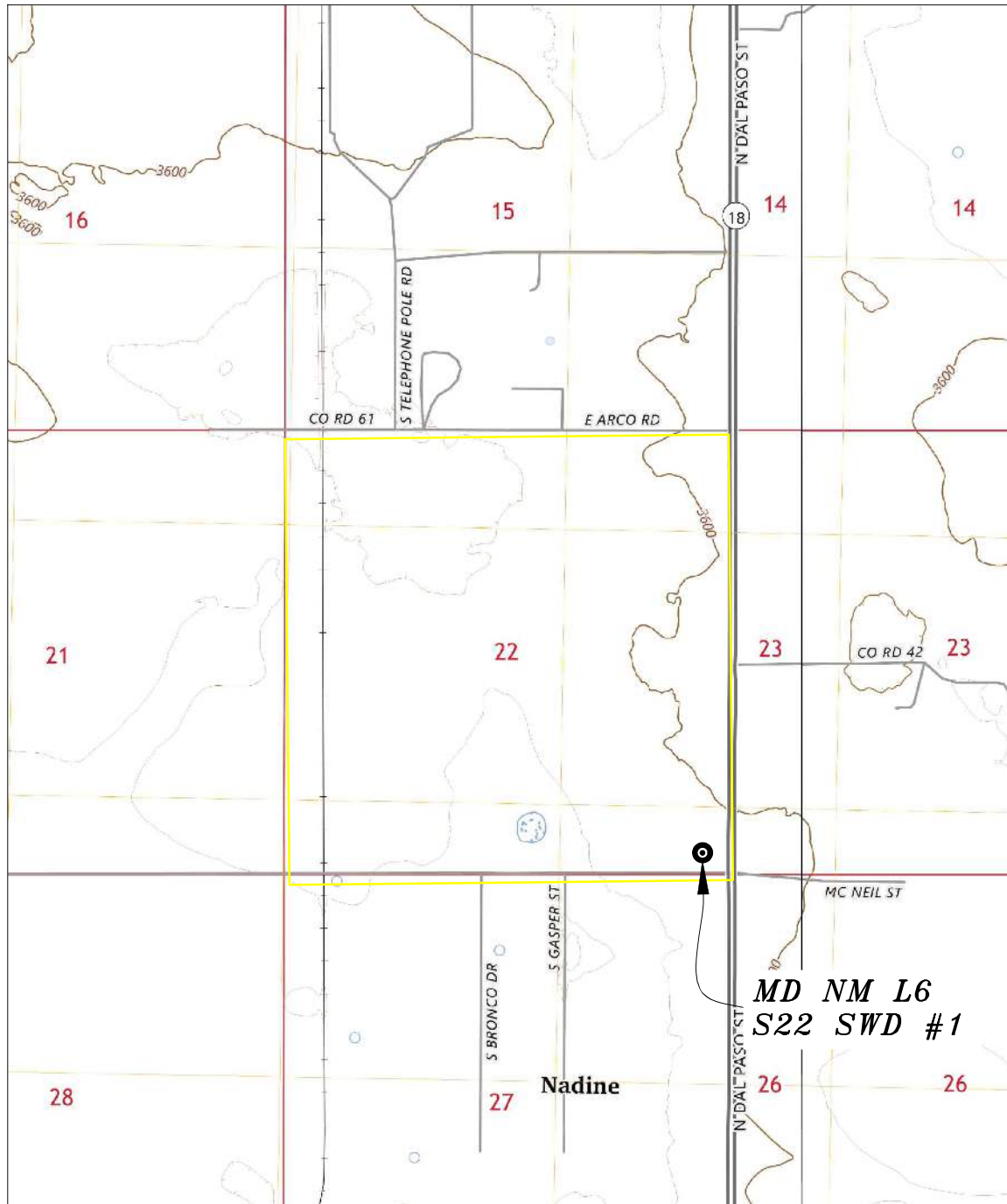
DRAFTING DATE: JUNE 28, 2024

APPROVED BY: MCR

DRAWN BY: TJA

FILE: MD NM L6 S22 SWD #1

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

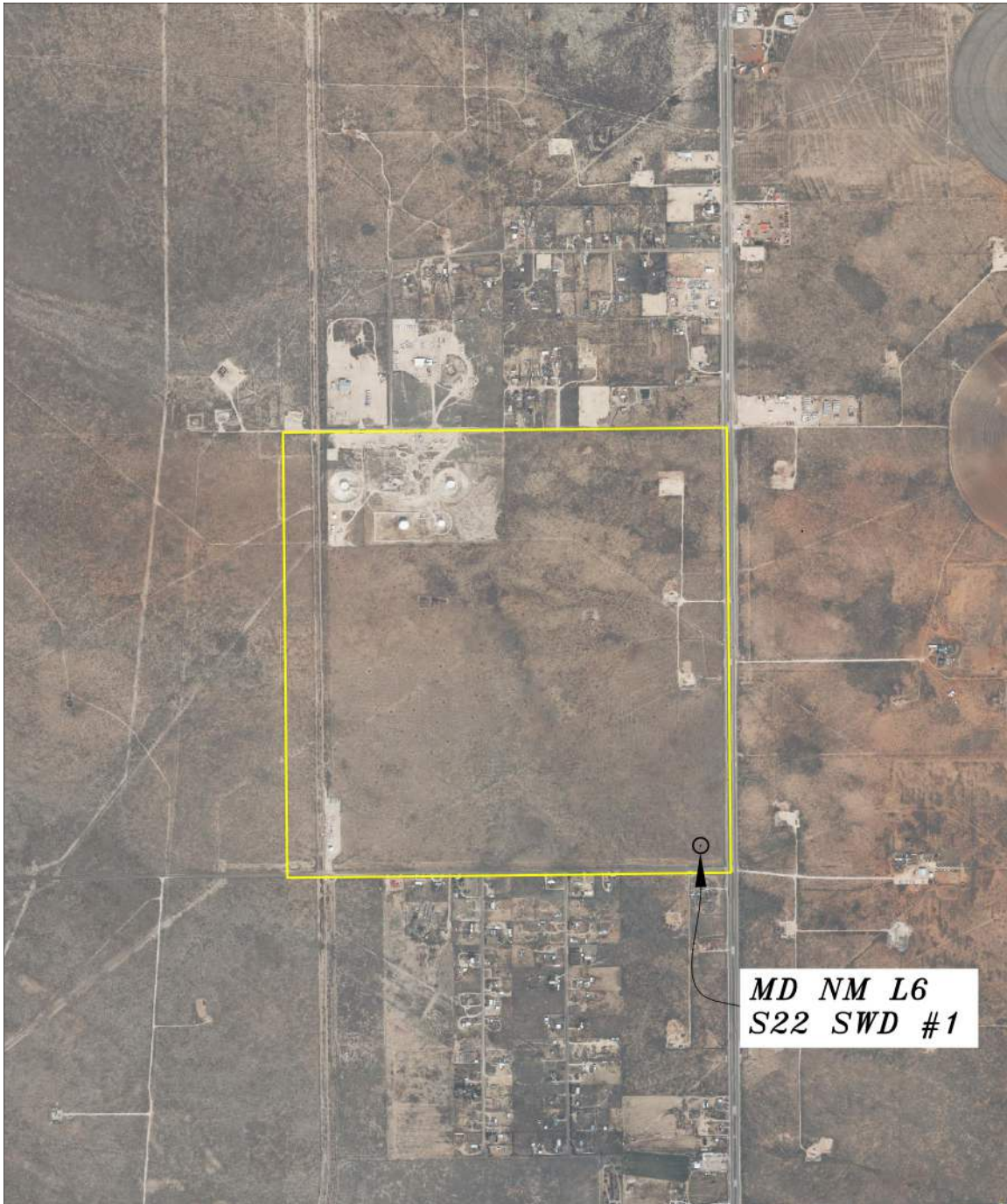
SEC. 22 TWP. 19-S RGE. 38-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 327' F.S.L. & 358' F.E.L.
 N.A.V.D. 88 ELEVATION 3596'
 OPERATOR SOLARIS WATER MIDSTREAM, LLC.
 LEASE MD NM L6 S22 SWD #1
 U.S.G.S. TOPOGRAPHIC MAP
 LEA, N.M.

ELEVATIONS SHOWN WERE DERIVED FROM
 STATIC GPS AND ARE IN N.A.V.D 1988 DATUM.

SOLARIS WATER MIDSTREAM, LLC.

SURVEY DATE: SEP. 26, 2025	PAGE: 1 OF 1
DRAFTING DATE: SEP. 29, 2025	
APPROVED BY: MCR	DRAWN BY: TJA
	FILE: MD NM L6 S22 SWD#1

VICINITY MAP



SEC. 22 TWP. 19-S RGE. 38-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 327' F.S.L. & 358' F.E.L.
 N.A.V.D. 88 ELEVATION 3596'
 OPERATOR SOLARIS WATER MIDSTREAM, LLC.
 LEASE MD NM L6 S22 SWD #1
 U.S.G.S. TOPOGRAPHIC MAP
LEA, N.M.

SCALE: 1" = 2000'

ELEVATIONS SHOWN WERE DERIVED FROM
 STATIC GPS AND ARE IN N.A.V.D 1988 DATUM.

SOLARIS WATER MIDSTREAM, LLC.

SURVEY DATE: SEP. 26, 2025	PAGE: 1 OF 1
DRAFTING DATE: SEP. 29, 2025	
APPROVED BY: MCR	DRAWN BY: TJA
	FILE: MD NM L6 S22 SWD#1

Prepared By:



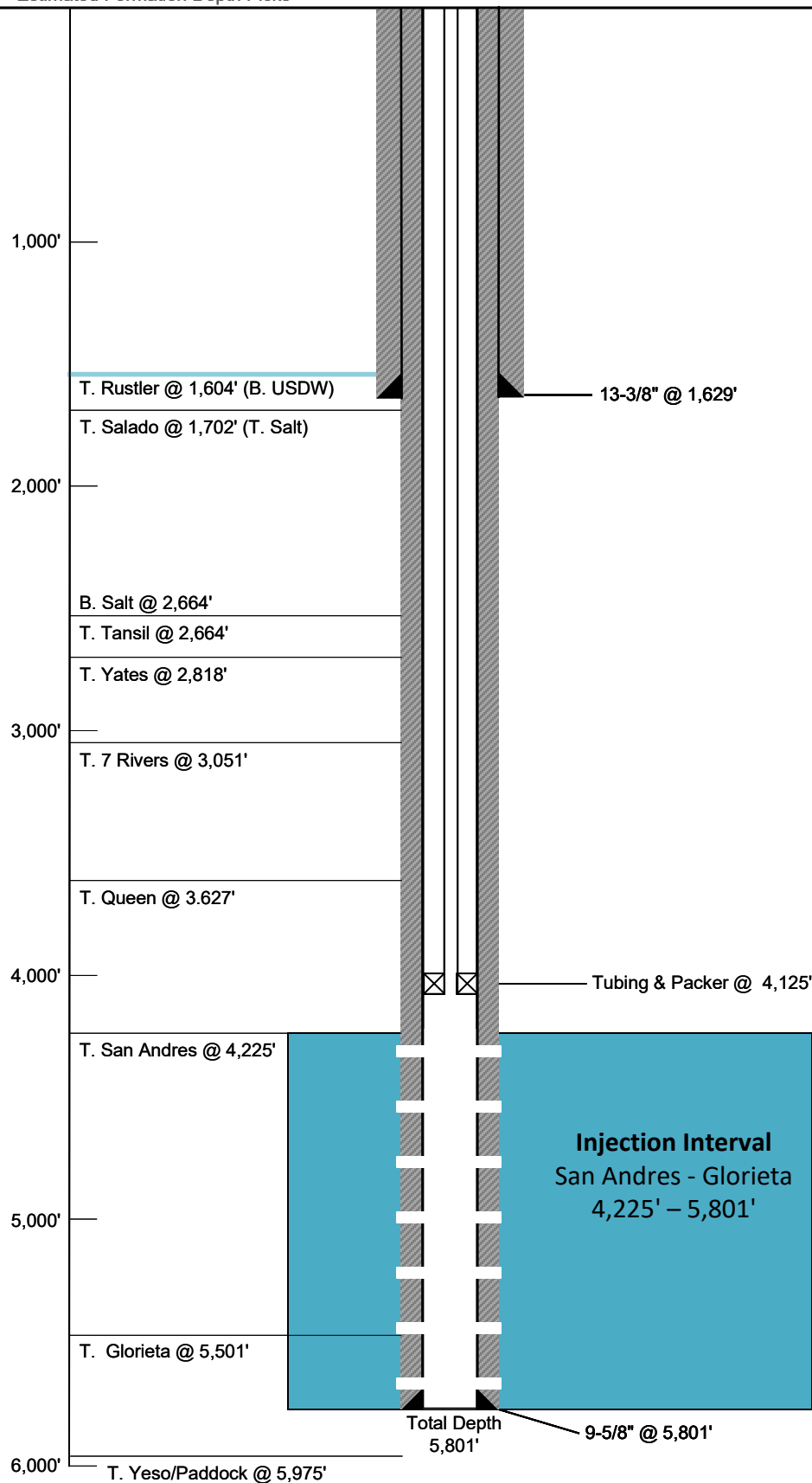
MD NM L6 S22 SWD #1

Proposed Wellbore Diagram

Prepared For:



Estimated Formation Depth Picks

**Surface Casing**

Casing Size: 13-3/8 in
Casing Weight: 54.5 lb/ft
Casing Grade: J-55 BTC
Casing Depth: 1,629 ft
Hole Size: 17-1/2 in
Top of Cement: Surface
Sks Cement: 1,475 sx (Class C)

Production Casing

Casing Size: 9-5/8 in
Casing Weight: 40 lb/ft
Casing Grade: L-80 BTC
Casing Depth: 5,801 ft
Hole Size: 12-1/4 in
Top of Cement: Surface
Sks Cement: 1,625 sx (HSLD)

Injection Tubing & Packer

Tubing Size: 7 in
Tubing Weight: 26 lb/ft
Tubing Grade: JHCP-110, EZGO CT-SWD
Tubing Depth: 4,125 ft
Packer Type: Arrowset AS-1X Retrievable
Packer Depth: 4,125 ft

Injection Interval

Formation(s): San Andres & Glorieta
Top: 4,225 ft
Bottom: 5,801 ft
Cased or Open-Hole: Cased

Injection Interval
 San Andres - Glorieta
 4,225' - 5,801'

Notes:

- Listed depths are measured from ground surface.
- Depths and cement volumes are estimates based on evaluation of the available information.

NOT TO SCALE

**Weatherford®**

Packer Systems

Arrowset I-X, I-X 10K, and I-X HP Mechanical Packers

Weatherford's Arrowset I-X, I-X 10K, and I-X HP mechanical packers are versatile, field-proven retrievable double-grip packers for most production, stimulation, and injection. The packers can be set with tension or compression.

A large internal bypass reduces the swabbing effect during run-in and retrieval and closes securely when the packer is set. During release, the bypass is opened to equalize the pressure before the upper slips are released. A patented upper-slip releasing system reduces the force required to release the packer. A nondirectional slip is released first, making it easier to release the other slips.

The I-X 10K packer has all the features of the I-X packer and can withstand 10,000 psi (69 MPa) of differential pressure above or below. The I-X HP packer can withstand 7,500 psi (52 MPa) of differential pressure above or below.

Applications

- Production
- Pumping
- Injection
- Fiberglass tubing
- Zonal isolation

Features, Advantages and Benefits

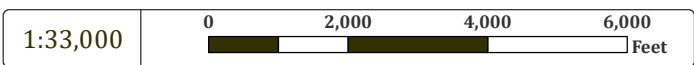
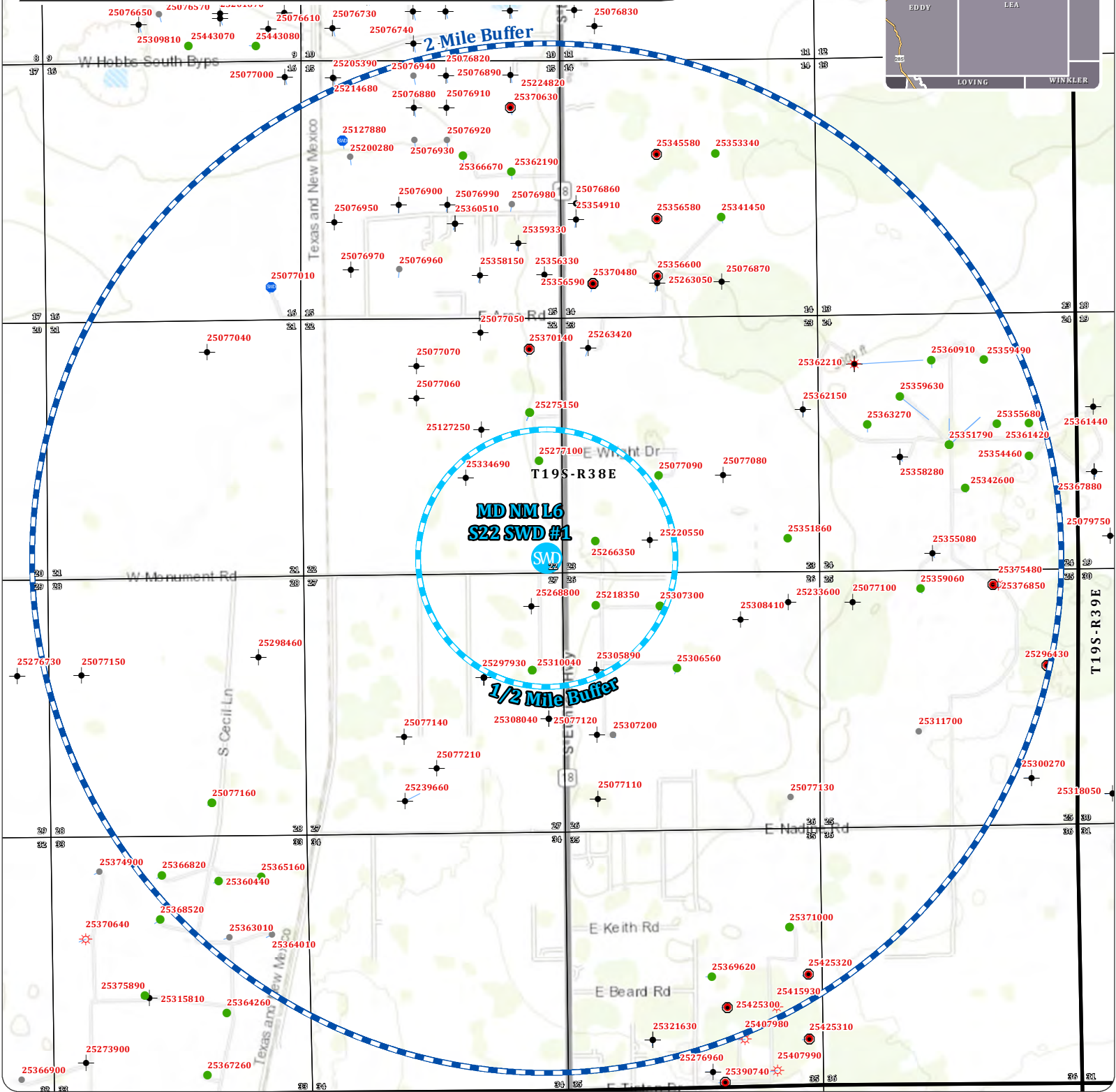
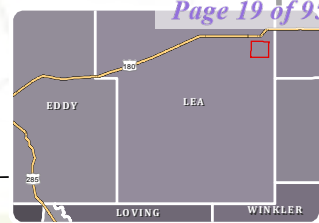
- The design holds high differential pressure from above or below, enabling the packer to meet most production, stimulation, and injection needs.
- The packer can be set with compression, tension, or wireline, enabling deployment in shallow and deep applications.
- The packer can be set and released with only a one-quarter turn of the tubing.
- The bypass valve is below the upper slips so that debris is washed from the slips when the valve is opened, reducing the times for circulation and total retrieval.
- The full opening enables unrestricted flow and the passage of wireline tools and other packer systems.
- The packer can be run with Weatherford's T-2 on-off tool, which enables the tubing to be disconnected and retrieved without retrieving the packer.



Attachment 2

WELL MAP

SECTION 22, TOWNSHIP 19 SOUTH, RANGE 38 EAST, LEA COUNTY, NEW MEXICO



Project Managed By:

ACE Energy Advisors
(918) 237-0559
nate.alleman@aceadvisors.com

Map Prepared By:

COOSA CONSULTING
(432) 631-4738
info@coosaconsulting.com

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: Foot US

Legend

- Proposed SWD
- 1/2 Mile Buffer
- 2 Mile Buffer
- Other
- Oil
- Gas
- Disposal
- Drilling
- Permitted
- Cancelled/Expired Permit
- P/A
- TA

MD NM L6 S22 SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.

0.5-mile Well List (Injection Interval: 4,225' - 5,801')								
Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
RUTH TERRY FURNEAUX #001	30-025-21835	Oil	J R OIL, LTD. CO.**	Active	8/28/1966	D-26-19S-38E	7,868	Yes
TIFFANY #001	30-025-30589	Oil	JOHN H HENDRIX CORP	Plugged	7/21/1989	E-26-19S-38E	7,700	Yes
TERRY #001	30-025-26635	Oil	J R OIL, LTD. CO.**	Active	2/3/1980	M-23-19S-38E	7,750	Yes
MCNEIL #001	30-025-33469	Oil	XTO ENERGY, INC	Plugged	6/11/1996	J-22-19S-38E	9,730	Yes
PRE-ONGARD WELL #001	30-025-22055	Oil	PRE-ONGARD WELL OPERATOR	Plugged	4/23/1967	N-23-19S-38E	7,924	Yes
TIFFANY #003	30-025-30730	Oil	SOUTHWEST ROYALTIES INC**	Active	12/8/1989	C-26-19S-38E	7,770	Yes
TONI #002	30-025-27710	Oil	SOUTHWEST ROYALTIES INC**	Active	2/3/1982	I-22-19S-38E	7,700	Yes
MCNEIL #001	30-025-26880	Oil	GLADSTONE RESOURCES INC	Plugged	7/8/1980	A-27-19S-38E	7,800	Yes
ALYSSA #1	30-025-31004	Oil	SOUTHWEST ROYALTIES INC**	Active	9/18/1990	H-27-19S-38E	7,750	Yes
Notes:								
- Nine wells penetrates the injection interval within the AOR.								
- ** Operator of active, drilled well within AOR and will receive notification of this application.								

Horizontal Well w/ Surface Location Outside the 0.5-mile AOR						
Well Name	API#	Well Type	Operator	Field	Status	Depth
N/A						
Notes:						
- No horizontal wellbores intersect the AOR radius.						

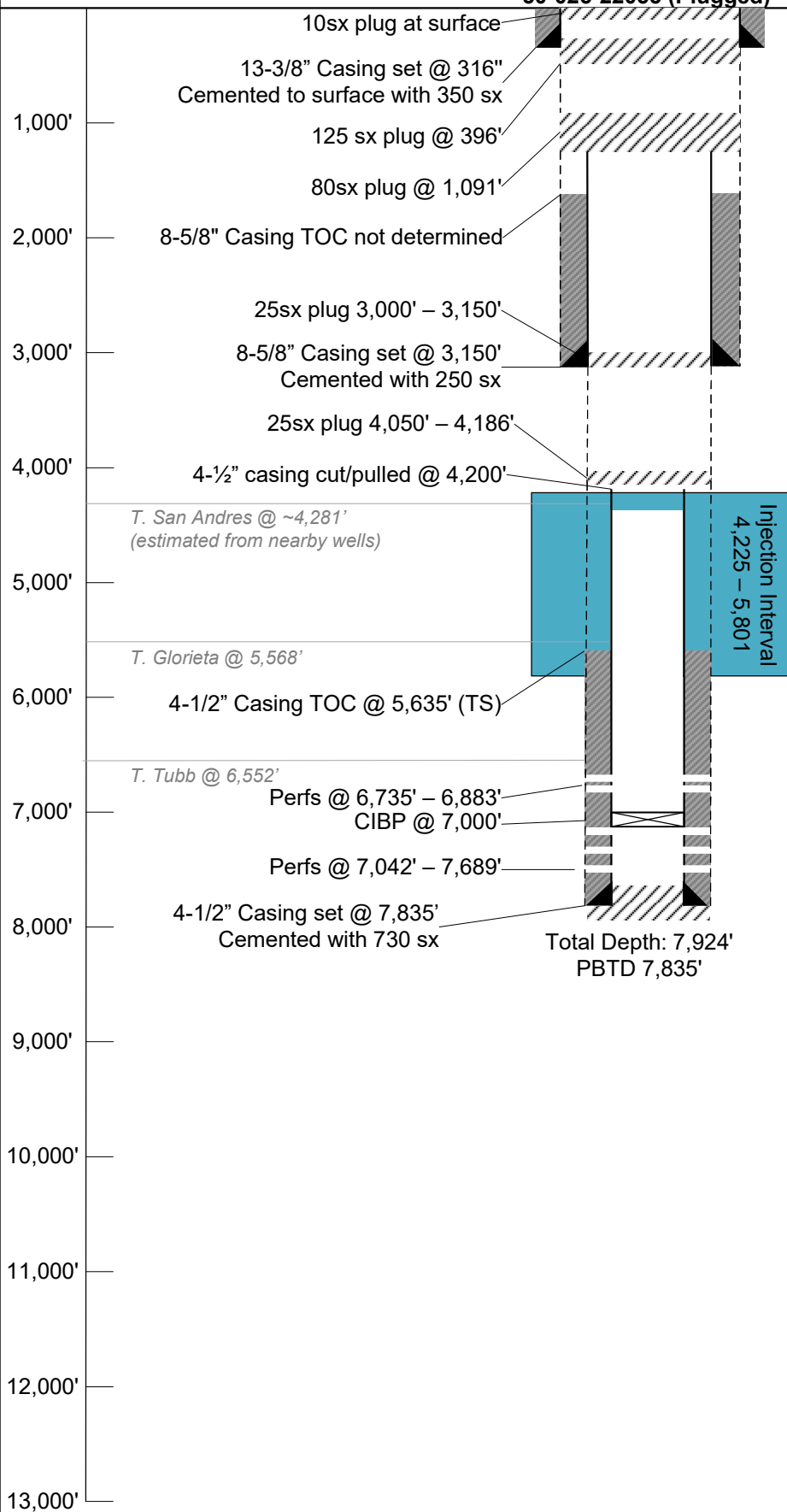
Penetrating Well Casing and Cement Details								
API#	Type	Hole	Size	Depth	Sacks	TOC	Method	Problem
30-025-21835	Surface	11"	8-5/8"	1,606'	450	Surface	Circulated	No
	Production	7-7/8"	5-1/2"	7,788'	1,210	3,000'	TS	
30-025-30589	Surface	N/A	8-5/8"	1,575'	790	Surface	Circulated	No
	Production	7-7/8"	5-1/2"	7,700'	2,140	Surface	Circulated	
30-025-26635	Surface	12"	10-3/4"	359'	400	Surface	Circulated	No
	Intermediate	9-5/8"	7-7/8"	4,310'	1,320	Surface	Circulated	
	Production	6-1/2"	4-1/2"	7,747'	500	4,280'	Calculated	
30-025-33469	Surface	17-1/2"	13-3/8"	375'	415	Surface	Circulated	No
	Intermediate	11"	8-5/8"	4,320'	2,200	Surface	Circulated	
	Production	7-7/8"	7"	7,665'	650	255'	Calculated	
	OH	N/A	N/A	7,765' - 9,730'	N/A	N/A	N/A	
30-025-22055	Surface	17-1/4"	13-3/8"	346'	350	Surface	Circulated	No
	Intermediate	12-1/4"	8-5/8"	3,150'	250	N/A	N/A	
	Production	7-7/8"	4-1/2"	7,835'	690	5,635'	TS	
30-025-30730	Surface	12-1/4"	8-5/8"	1,578'	730	Surface	Circulated	No
	Production	7-7/8"	5-1/2"	7,770'	1,250	Surface	Circulated	
30-025-27710	Surface	12-1/4"	8-5/8"	1,638'	800	Surface	Circulated	No
	Production	7-7/8"	5-1/2"	7,140'	1,100	2,400'	TS	
30-025-26880	Surface	12-1/4"	10-3/4"	379'	600	Surface	Circulated	No
	Intermediate	9-7/8"	7-5/8"	4,354'	1,800	600' then Surface	TS then perf & circ.	
	Production	6-1/2"	4-1/2"	7,800'	730	DV Tool. Depth = ?	Calculated	
30-025-31004	Surface	12-1/4"	8-5/8"	1,556'	812	Surface	Circulated	No
	Production	7-7/8"	5-1/2"	7750	575	Surface	Circulated	
Notes:								

Plugged Penetrating Wells			
API#	Perfs	Casing Pulled	Plugs
30-025-30589	3015' - 3086' 7016' - 7030' 7198' - 7640'	None	Sq perfs 7016 - 7030 w/125 sx
			CIBP @ 6961 w/ 2 sx cement
			CIBP @ 3380' w/ 2 sx cement
			CIBP @ 2950' w/ 40 sx cement to 2530'
			40 sx plug 1298' - 1718'
			47 sx plug 416' to surface
30-025-22055	7521' - 7599' 7624' - 7698' OH 7838' - 7924'	4200' of 4-1/2" 1200' of 8-5/8"	OH BP @ 7910'
			25 sx 7000' - 7325' Tops of cmt are est
			25 sx 4050' - 4186'
			25 sx 3000' - 3150'
			25 sx 1050' - 1184'
			80 sx plug @ 1091'
			125 sx plug @ 396'
			10 sx plug @ surface
30-025-26880	350' 5711' - 5754' 5987' - 6008' 6697' - 6735' 7538' - 7558' 7648' - 7728'	4354' of 4-1/2"	CIBP @ 5913' w/ 25 sx to 5683'
			Pull 4354' 4-1/2" casing
			30 sx 4231' - 4404'
			30 sx 1550 - 1650'
			30 sx 297' - 429'
			15 sx 60' to surface
30-025-33469	OH 7,765' - 9,730' 5,544' - 5,551' 6,635' - 6,645'	None	15sx 7,589' - 7,715'
			25sx 9,630' - 9,730'
			CIBP @ 6,595' capped with ?sx cement
			CIBP @ 5,500'. 25sx 5,350' - 5,500'
			25sx 4,253' - 4,403'
			25sx 1,527' - 1,677'
			30sx 275' - 450'
			10sx 0' - 60'

AOR Wellbore Diagram (30-025-22055)

Injection Interval: San Andres & Glorieta @ 4,225' – 5,801'

Formation Depth Picks

**Offset AOR Well
30-025-22055 (Plugged)**

Note: Listed depths and cement volumes are
approximates based on available information.

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NEW MEXICO OIL CONSERVATION COMMISSION
ARTESIA OFFICEForm C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

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30-025-22055

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"/>	5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
2. Name of Operator Shenandoah Oil Corporation	5. State Oil & Gas Lease No.
3. Address of Operator 702 Gihls Tower West, Midland, Texas 79701	7. Unit Agreement Name
4. Location of Well UNIT LETTER <u>N</u> <u>1780</u> FEET FROM THE <u>West</u> LINE AND <u>660</u> FEET FROM THE <u>South</u> LINE, SECTION <u>23</u> TOWNSHIP <u>19 S</u> RANGE <u>38 E</u> NMPM.	8. Farm or Lease Name Will Terry
	9. Well No. 1
	10. Field and Pool, or Wildcat Nadine-Drinkard
15. Elevation (Show whether DF, RT, GR, etc.) 3600 GR	12. County Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

Drilled out to T.D. of 1091'. Set 80 sack type "H" cement plug at 1091'.

Set 125 sacks cement , plug at 396'. Set 10 sacks cement plug in top of casing. Welded plate on tope of casing with dry hole marker

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

SIGNED Billy Cover TITLE Production Supt. DATE 11-6-72

Orig. Signed by

Lea

APPROVED BY _____ TITLE _____ DATE _____

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C-102 and C-103
Effective 1-1-65

30-025-22055

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"/>	5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
2. Name of Operator Shenandoah Oil Corporation	5. State Oil & Gas Lease No. -
3. Address of Operator 1018 Commerce Building, Fort Worth, Texas	7. Unit Agreement Name -
4. Location of Well UNIT LETTER N 1780 FEET FROM THE West LINE AND 660 FEET FROM THE South LINE, SECTION 23 TOWNSHIP 19S RANGE 38E NMPM.	8. Farm or Lease Name Will Terry
	9. Well No. 1
	10. Field and Pool, or Wildcat Nadine-Drinkard
15. Elevation (Show whether DF, RT, GR, etc.) 3600' Gr., 3610' D.F., 3612' K.B.	12. County Lea

16.

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

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

1. Pulled rods, pump and 2-3/8" tubing.
2. Perforate 4½-inch casing with one hole per foot at 6735, 6738, 6742, 6747, 6751, 6755, 6760, 6765, 6769, 6771, 6778, 6780, 6782, 6785, 6800, 6803, 6805, 6808, 6813, 6823, 6827, 6830, 6838, 6840, 6845, 6851, 6866, 6869, 6873, 6876, 6888 (31 holes). Set bridge plug at 7000 feet.
3. Ran 2-3/8-inch tubing with Baker Full-Bore Packer set at 6693'.
4. Acidized with 2000 gallons 28% acid. Max pressure 3600# at 4½ BPM. Swabbed and recovered acid and load water. Then swabbed 7.25 BFPH (70% oil & 30% water).
6. Pulled tubing and packer.
7. Ran 2-3/8" tubing to 6532'. Ran rods & pump and initiated pumping status for further testing.

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

SIGNED Harold E. Burke TITLE Prod. Supt. DATE February 10, 1961

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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OPERATOR	

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

Form C-105
Revised 1-1-65

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

30-025-22055

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____ b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____				7. Unit Agreement Name -	
2. Name of Operator Shenandoah Oil Corporation				8. Farm or Lease Name Will Terry	
3. Address of Operator 406 Mutual Savings Building				9. Well No. 1	
4. Location of Well UNIT LETTER N LOCATED 1780 FEET FROM THE West LINE AND 660 FEET FROM THE South LINE OF SEC. 23 TWP. 19S RGE. 38 East T. 19S. R. 38E. S. 23 15. Date Spudded 4-23-67 16. Date T.D. Reached 5-20-67 17. Date Compl. (Ready to Prod.) 7-7-67 18. Elevations (DF, RKB, RT, GR, etc.) 3600' Gr, 3610' DF, 3612' KB, 3600' 20. Total Depth 7924' 21. Plug Back T.D. 7835' 22. If Multiple Compl., How Many Single Zone 23. Intervals Drilled By Rotary Tools 0-7924' Cable Tools -				10. Field and Pool, or Wildcat Nadine-Drinkard	
24. Producing Interval(s), of this completion - Top, Bottom, Name Drinkard - 6552-7162' Wichita-Albany - 7162-7870'				12. County Lea	
26. Type Electric and Other Logs Run Laterolog, Microlaterolog and Sonic-Gamma Ray				19. Elev. Casinghead 3600'	
27. Was Well Cored Yes				25. Was Directional Survey Made No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	346'	17 1/2"	350 sx reg 2% CaCl	None
8-5/8"	24#-32#	3150'	12 1/4"	250 sx Encore w/ 2% CaCl	None
4 1/2"	11.60#	7835'	7-7/8"	690 sx Posmix	None
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
-	-	-	-	-	-
-	-	-	-	-	-
31. Perforation Record (Interval, size and number) Wichita-Albany-1 hole per ft at 7624, 7659, 7660, 7661, 7687, 7688, 7689, 7521, 7527, 7530, 7533, 7547, 7554, 7565, 7568, 7571, 7578, 7587, 7589, 7597, 7599. Drinkard-2 holes per ft from 7036-7042'			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 7624'- 7689' 500 gals MA, 2500 gals 15% 250 gals 28% acid. 7521'- 7599' 2000 gals 15% 7500 gals 2% acid. 7036'- 7042' 1000 gals 2% & 6000 gals 15% acid.		
33. PRODUCTION Date First Production July 6, 1967 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping Well Status (Prod. or Shut-in) Producing Date of Test 7-18-67 Hours Tested 24 Choke Size Pumping Prod'n. For Test Period 17.02 Oil - Bbl. 30.0 Gas - MCF 71.00 Water - Bbl. 1765 Gas-Oil Ratio Flow Tubing Press. 35# Casing Pressure 400# Calculated 24-Hour Rate 17.02 Oil - Bbl. 30.00 Gas - MCF 71.00 Water - Bbl. 37° Oil Gravity - API (Corr.) 34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented Test Witnessed By W. L. Smith 35. List of Attachments 36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief. SIGNED <u><i>Harold E. Burk</i></u> TITLE <u><i>Prod. Insp.</i></u> DATE <u><i>7-28-67</i></u>					

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2826 (+784)</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>3419 (+191)</u>	T. Devonian <u>7870 (-4260)</u>	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4281 (-671)</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>5568 (-1958)</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>6552 (-2942)</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>7162 (-3552)</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	72	72	Rock & red bed				
72	346	274	Red bed				
346	1209	863	Red bed				
1209	1709	500	Red bed, shale, anhy and salt				
1709	2315	606	Anhy, salt				
2315	2790	475	Anhy and salt				
2790	3060	270	Anhy & gyp				
3060	3150	90	Anhy and lime				
3150	4214	1064	Lime				
4214	5076	862	Lime w/ anhy streaks				
5076	5361	285	Lime and sand				
5361	5451	90	Lime and sand				
5451	6522	1071	Lime				
6522	6578	56	Sand & lime				
6578	6657	79	Lime and dolomite				
6657	7469	812	Lime				
7469	7600	131	Lime, dolomite				
7600	7928	328	Dolomite and lime				
7928			Total Depth				

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Form C-105
Revised 1-1-65

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

14-00000
OBSERVATION COMMISSION. C. C.
PLETION REPORT AND L
JUL 31 7 52 AM '67

30-025-22055

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

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>						7. Unit Agreement Name -	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>						8. Farm or Lease Name Will Terry	
2. Name of Operator Shenandoah Oil Corporation						9. Well No. 1	
3. Address of Operator 406 Mutual Savings Building						10. Field and Pool, or Wildcat Nadine-Drinkard	
4. Location of Well UNIT LETTER <u>N</u> LOCATED <u>1780</u> FEET FROM THE <u>West</u> LINE AND <u>660</u> FEET FROM						12. County <u>Lea</u>	
THE <u>South</u> LINE OF SEC. <u>23</u> TWP. <u>19S</u> RGE. <u>38 East</u> <u>MPM</u>							
15. Date Spudded 4-23-67		16. Date T.D. Reached 5-20-67		17. Date Compl. (Ready to Prod.) 7-7-67		18. Elevations (DF, RKB, RT, GR, etc.) 3600' Gr, 3610' DF, 3612' KB	
20. Total Depth 7924'		21. Plug Back T.D. 7835'		22. If Multiple Compl., How Many Single Zone		23. Intervals Drilled By Rotary Tools 0-7924'	
24. Producing Interval(s), of this completion - Top, Bottom, Name Drinkard - 6552-7162' Wichita-Albany - 7162-7870'						25. Was Directional Survey Made No	
26. Type Electric and Other Logs Run Laterolog, Microlaterolog and Sonic-Gamma Ray						27. Was Well Cored Yes	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE	
13-3/8"		48#		346'		17 1/2"	
8-5/8"		24#-32#		3150'		12 1/4"	
4 1/2"		11.60#		7835'		7-7/8"	
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP		BOTTOM		SACKS CEMENT	
-		-		-		-	
-		-		-		-	
31. Perforation Record (Interval, size and number) Wichita-Albany-1 hole per ft at 7624, 7659, 7660, 7661, 7687, 7688, 7689, 7521, 7527, 7530, 7533, 7547, 7554, 7565, 7568, 7571, 7578, 7587, 7589, 7597, 7599. Drinkard-2 holes per ft from 7036-7042'				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
				7624'- 7689'		500 gals MA, 2500 gals 15%	
						250 gals 28% acid.	
				7521'- 7599'		2000 gals 15% 7500 gals 2% ac	
				7036'- 7042'		1000 gals 2% & 6000 gals 15% acid.	
33. PRODUCTION							
Date First Production July 6, 1967		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Producing	
Date of Test 7-18-67		Hours Tested 24		Choke Size Pumping		Prod'n. For Test Period 17.02	
Flow Tubing Press. 35#		Casing Pressure 400#		Calculated 24-Hour Rate 17.02		Oil - Bbl. 17.02	
						Gas - MCF 30.0	
						Water - Bbl. 71.00	
						Gas - Oil Ratio 1765	
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented						Test Witnessed By W. L. Smith	
35. List of Attachments							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNED <u>Harold E. Burk</u>		TITLE <u>Prod. Insp.</u>		DATE <u>7-28-67</u>			

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2826 (+784)</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>3419 (+191)</u>	T. Devonian <u>7870 (-4260)</u>	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4281 (-671)</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>5568 (-1958)</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>6552 (-2942)</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>7162 (-3552)</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	72	72	Rock & red bed				
72	346	274	Red bed				
346	1209	863	Red bed				
1209	1709	500	Red bed, shale, anhy and salt				
1709	2315	606	Anhy, salt				
2315	2790	475	Anhy and salt				
2790	3060	270	Anhy & gyp				
3060	3150	90	Anhy and lime				
3150	4214	1064	Lime				
4214	5076	862	Lime w/ anhy streaks				
5076	5361	285	Lime and sand				
5361	5451	90	Lime and sand				
5451	6522	1071	Lime				
6522	6578	56	Sand & lime				
6578	6657	79	Lime and dolomite				
6657	7469	812	Lime				
7469	7600	131	Lime, dolomite				
7600	7928	328	Dolomite and lime				
7928			Total Depth				

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NEW MEXICO OIL CONSERVATION COMMISSION E.O.C.C.

JUL 31 7 52 AM '67

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

30-025-22055

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"/>	5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
2. Name of Operator Shenandoah Oil Corporation	5. State Oil & Gas Lease No. -
3. Address of Operator 406 Mutual Savings Bldg., Fort Worth, Texas	7. Unit Agreement Name -
4. Location of Well UNIT LETTER N , 1780 FEET FROM THE West LINE AND 660 FEET FROM THE South LINE, SECTION 23 TOWNSHIP 19 South RANGE 38 East NMPM.	8. Farm or Lease Name Will Terry
	9. Well No. 1
	10. Field and Pool, or Wildcat Nadine-Drinkard
	12. County Lea
15. Elevation (Show whether DF, RT, GR, etc.)	

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

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

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

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

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

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.

Drilled 7-7/8-inch hole from 3150 feet to total depth of 7924 feet. Lost circulation at T.D. Set McCullough open hole bridge plug at 7910 feet and regained circulation. Ran 247 joints (7837.30') 4 1/2-inch 11.60# J-55 casing with Halliburton Formation Packer Shoe set at 7835 feet. Cemented with 50 sacks Pos A w/ 2% Morflow and 1/2% CFR-2 and 640 sacks 50-50 Pos A 2% gel with 6# salt, 5# Gilsonite and 3/4% CFR-2 per sack. Plug down at 6:30 A.M. 5-21-67. Ran temperature survey and found approximate top of cement at 5635 feet.

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

SIGNED Harold E. Burke TITLE Prod. Supt. DATE 7-28-67

APPROVED BY [Signature] TITLE _____ DATE _____

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
G-102 and C-103
Effective 1-1-65

MAY 19 11 43 AM '67

30-025-22055

5. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No. _____
7. Unit Agreement Name _____
8. Farm or Lease Name Will Terry
9. Well No. 1
10. Field and Pool, or Wildcat Undesignated
12. County Lea

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 Shenandoah Oil Corporation	8. Farm or Lease Name Will Terry
3. Address of Operator 406 Mutual Savings Bldg., Fort Worth, Texas	9. Well No. 1
4. Location of Well UNIT LETTER <u>N</u> <u>1780</u> FEET FROM THE <u>West</u> LINE AND <u>560</u> FEET FROM THE <u>South</u> LINE, SECTION <u>23</u> TOWNSHIP <u>19S</u> RANGE <u>38E</u> NMPM.	10. Field and Pool, or Wildcat Undesignated
15. Elevation (Show whether DF, RT, GR, etc.) 3605.2 Ground	12. County Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input 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"/>	

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.

Drilled 12 $\frac{1}{4}$ " hole to 3150 feet. Cemented 3-5/8" 24# and 32# J-55 new casing at 3150 feet with 150 sacks Encore neat cement and 100 sacks of Encore neat with 2% Calcium Chloride. Plug down at 8:15 P.M. 4-27-67. Waited on cement 16 hours. Pressure tested casing with 1000 psi for 30 minutes with no pressure drop. Drilled out cement and shoe and tested with 1000 psi for 30 minutes with no pressure drop.

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

SIGNED Harold E. Burke TITLE Prod. Supt. DATE 5-15-67

APPROVED BY _____ TITLE _____ DATE _____

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Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

30-025-22055

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 Shenandoah Oil Corporation	8. Farm or Lease Name Will Terry
3. Address of Operator 406 Mutual Savings Bldg., Fort Worth, Texas	9. Well No. 1
4. Location of Well UNIT LETTER N , 1280 FEET FROM THE West LINE AND 660 FEET FROM THE South LINE, SECTION 23 TOWNSHIP 19S RANGE 38E NMPM.	10. Field and Pool, or Wildcat Undesignated
15. Elevation (Show whether DF, RT, GR, etc.) 3605.2 Ground	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 ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

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

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

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 7:00 P.M. 4-23-67. Drilled 17½" hole to 346 feet. Cemented 13-3/8" 48# H-40 casing at 346 feet with 350 sacks regular neat cement with 2% calcium chloride. Cement circulated. Plug down at 11:00 A.M. 4-24-67. Waited on cement 20 hours. Tested casing and cement before and after drilling out cement with 1000 psi for 30 minutes. Held O.K.

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

SIGNED

Harold E. Burke

TITLE

Prod. Supt.

DATE

5-15-67

APPROVED BY

TITLE

DATE

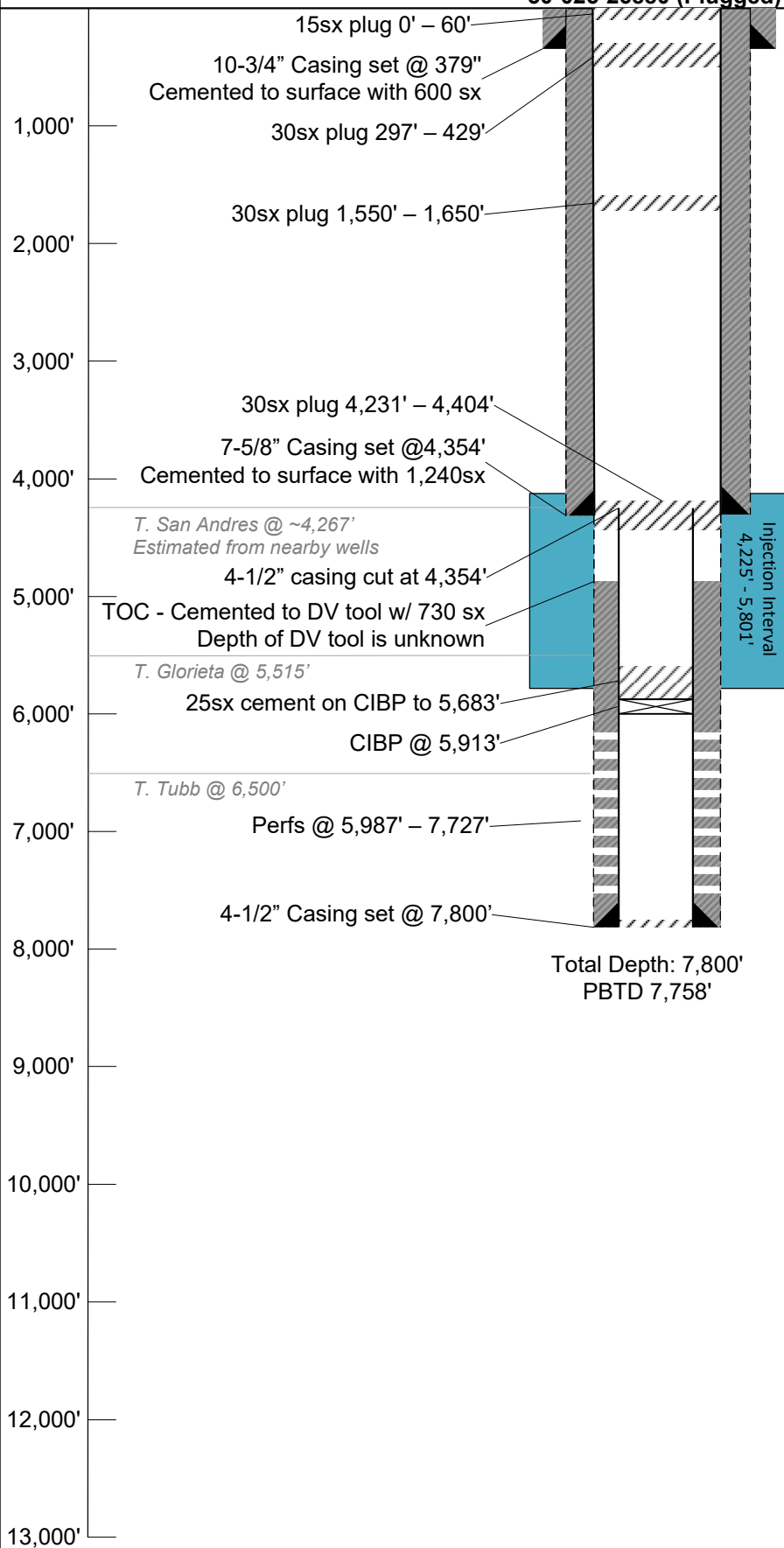
CONDITIONS OF APPROVAL, IF ANY

AOR Wellbore Diagram (30-025-26880)

Injection Interval: San Andres & Glorieta @ 4,225' – 5,801'

Formation Depth Picks

Offset AOR Well 30-025-26880 (Plugged)



Note: Listed depths and cement volumes are approximates based on available information.

NOT TO SCALE

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-103
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30-025-26880

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
2. Name of Operator Kenai Oil & Gas Inc.		5. State Oil & Gas Lease No.
3. Address of Operator 1001 Petroleum Bldg. Midland, Texas 79701		7. Unit Agreement Name
4. Location of Well UNIT LETTER <u>A</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>east</u> LINE, SECTION <u>27</u> TOWNSHIP <u>19S</u> RANGE <u>38E</u> NMPM.		8. Farm or Lease Name McNeil
15. Elevation (Show whether DF, RT, GR, etc.) 3602 KB		9. Well No. 1
		10. Field and Pool, or Wildcat Nadine Drinkard-Abo
		12. County Lea

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

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input 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"/>	

16. 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.

7-9-80 Cemented 10 3/4", 40.50 lb, K-55, St&C casing at 379'
w/600 sax class C + 2% CaCl₂. Circulated 150 sax to
surface. Tested casing and pipe rams to 2000 psig.

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

SIGNED Jerry Sexton TITLE Agent DATE July 10, 1980

Original Signed by
Jerry Sexton
Dis. 1. Supv.

APPROVED BY _____ TITLE _____ DATE JUL 14 1980

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 O-103
REVISED 11-1-79

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SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Kind of Well <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	2. Name of Operator Kenai Oil and Gas Inc.	3. Address of Operator 1001 Petroleum Building, Midland, TX 79701	4. Location of Well UNIT LETTER <u>A</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM <u>East</u> THE <u>LINE</u> , SECTION <u>27</u> TOWNSHIP <u>19S</u> RANGE <u>38E</u> N.M.P.M.	5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>	5. State Oil & Gas Lease No.	6. Unit Agreement Name	7. Field or Lease Name McNeil	8. Well No. #1	9. Field and Pool, or Village Nadine Drinkard - Abo	10. County Lea	11. Elevation (Show whether DF, RT, GR, etc.) 3602 KB	12. County Lea
--	---	--	--	--	------------------------------	------------------------	----------------------------------	-------------------	--	-------------------	--	-------------------

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

July 29, 1980: Cemented through 7 5/8" casing with 1240 sks HOWCO Lite cement w/15# salt and 1/4# flocele/sk. Followed this by 300 sks Cl "C" cement w/1/4# flocele/sk. The plug was down at 4:30 PM, July 29, 1980. Cement did not circulate.

After 8 hours of waiting on cement, a temperature survey was run w/top of cement indicated at 600'. Perforated 7 7/8" casing w/1 shot (1/2" hole) at 550' and cemented top with 250 sks Cl "C" and 50 sks Cl "C" w/2% CaCl₂. Displaced cement w/23.5 bbls water w/plug at 500'. Approximately 125 sks were circulated into the reserve pit.

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

SIGNED

*Lrene Rosas*TITLE Drilling & Production Assist.DATE 8-14-80

Orig. Signed by

Jerry Sexton

Dist. L. Supr.

TITLE

DATE

AUG 18 1980

CONDITIONS OF APPROVAL, IF ANY:

Released to Imaging: 12/5/2025 2:09:05 PM

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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30-025-26880

SUNDRY NOTICE 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.)

OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>		5a. Indicate Type of Lease State <input type="checkbox"/> Time <input type="checkbox"/>
Name of Operator Kenai Oil and Gas Inc.		5. State Oil & Gas Lease No.
Address of Operator 1001 Petroleum Building, Midland, TX 79701		7. Unit Agreement Name
Location of Well UNIT LETTER <u>A</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM <u>East</u> LINE, SECTION <u>27</u> TOWNSHIP <u>19S</u> RANGE <u>38E</u> N.M.P.M.		8. Farm or Lease Name McNeil
		9. Well No. 1
		10. Field and Pool, or Wildcat Nadine Drinkard - Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3602 KB		12. County Lea

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

7. 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.

August 18, 1980 - Ran 180 joints of 4 1/2", 11.60#/foot, K-55 casing, set @ 7800'. Howco cemented with 730 sx CL "H", 4% Halad 9, 5% CFR2, 5#/salt/sx, opened DV tool. Circulated out 50 sx, displaced hole w/FW containing 1 gallon - 10 barrels inhibitor. Set slips, nipple down, released rig @ 3:00 PM, 8-18-80.

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

SIGNED John Runyan TITLE Drilling & Prod. Assistant DATE 9-8-80

Orig. Signed by
John Runyan
Geologist

APPROVED BY _____ TITLE _____ DATE SEP 11 1980

CONDITIONS OF APPROVAL, IF ANY:

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run in the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta 5515	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Padlock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry 5980	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb 6500	T. Granite _____	T. Todilte _____	T. _____
T. Drinkard 6730	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo 7110	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Dough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 7648 to 7727	No. 4, from 6697 to 6735
No. 2, from 7538 to 7558	No. 5, from 5987 to 6008
No. 3, from 7727-28 to 7724-25	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____	feet. _____
No. 2, from _____ to _____	feet. _____
No. 3, from _____ to _____	feet. _____
No. 4, from _____ to _____	feet. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	340	340	Surf rock				
340	1457	1117	Red bed				
1457	1638	181	Anhy & salt				
1638	1671	33	Anhy				
1671	1907	236	Anhy & salt				
1907	2838	931	Anhy & Lm				
2838	3120	282	Anhy				
3120	3131	11	Limestone				
3131	4354	1223	Lime				
4354	4410	56	Lime & Dolomite				
4410	4690	280	Lime				
4690	7800	3110	Limestone				

RECEIVED

NOV 5 1980

OIL CONSERVATION DIV.

Form C-105
Revised 10-1-78STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

30-025-26880

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

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

1. TYPE OF WELL	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. TYPE OF COMPLETION	NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>	8. Farm or Lease Name McNeil

Name of Operator
Kenai Oil & Gas Inc.Address of Operator
1001 Petroleum Building, Midland, TX 79701

Location of Well

IT LETTER A LOCATED 660 FEET FROM THE North LINE AND 660 FEET FROM East LINE OF SEC. 27 TWP. 19S RGE. 38E NMPM Lea

3. Date Spudded 7-8-80 16. Date T.D. Reached 8-15-80 17. Date Compl. (Ready to Prod.) 9-24-80 18. Elevations (DF, RKB, RT, GR, etc.) KB 3602 19. Elev. Casinghead --

20. Total Depth 7800 21. Plug Back T.D. 7758 22. If Multiple Compl., How Many Rotary Tools 23. Intervals Drilled By X Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
7727-5987' (Nadine - Drinkard - Abo) 25. Was Directional Survey Made Yes

26. Type Electric and Other Logs Run
DIL, Comp. Densilog, Neutron & Minilog 27. Was Well Cored No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>7 5/8</u>	<u>26.4</u>	<u>4354</u>	<u>9 7/8</u>	<u>1240 sk Howco Lite</u>	<u>125</u>
<u>4 1/2</u>	<u>11.60</u>	<u>7800</u>	<u>6 1/2</u>	<u>730 sk CL "C"</u>	<u>50</u>

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					<u>2 3/8</u>	<u>7000</u>	<u>None</u>

Perforation Record (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
A. <u>7648-7727' (20)</u>	F. <u>5711-5754' (14)</u>			DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
B. <u>7538-7558' (6)</u>				<u>7648-6008</u>	<u>Acddz w/5,000 gals 15% MCA acid</u>
C. <u>7727-28' & 7724-25' (4)</u>				<u>5711-5754</u>	<u>Acddz w/2,000 gals 15% MCA acid</u>
D. <u>6697-6735' (10)</u>				<u>5711-5754</u>	<u>Sqzd w/200 sks CL "C"</u>
E. <u>5987-6008' (8)</u>					

PRODUCTION							
Date First Production <u>9-16-80</u>		Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Pumping - 2"x1 1/4"x16'x20 (RHBC)</u>				Well Status (Prod. or Shut-in) <u>SI-WO tank batt install</u>	
Date of Test <u>9-24-80</u>	Hours Tested <u>24</u>	Choke Size	Prod'n. For Test Period	Oil - Bbl. <u>15</u>	Gas - MCF <u>TSTM</u>	Water - Bbl. <u>34</u>	Gas - Oil Ratio
Flow Tubing Press. <u>--</u>	Casing Pressure <u>650</u>	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.) <u>36.0</u>	

33. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vent (TSTM) Test Witnessed By

34. List of Attachments
C-104, Electric logs, Deviation Survey

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE Drilling & Production Assist. DATE 10-22-80

30-025-26880

**MAYO MARRS CASING PULLING INC.
BOX 863
KERMIT, TEXAS 79745**

**NEW MEXICO OCD
BID ID # 30-0521-07-00533**

OPERATOR: GLADSTONE RESOURCES

Lease: McNEAL # 1

Project: P & A – CEMENTING REPORT

06-19-03 – SET CIBP @ 5913' SPOT 25 SXS ON TOP – 5683'

06-20-03 – PULL 4354' OF 4 ½" CASING

06-20-03 - SPOT 30 SXS @ 4404'-4231' & TAG

06-23-03 - SPOT 30 SXS @ 1650'-1550'

06-23-03 - SPOT 30 SXS @ 429'-297' & TAG

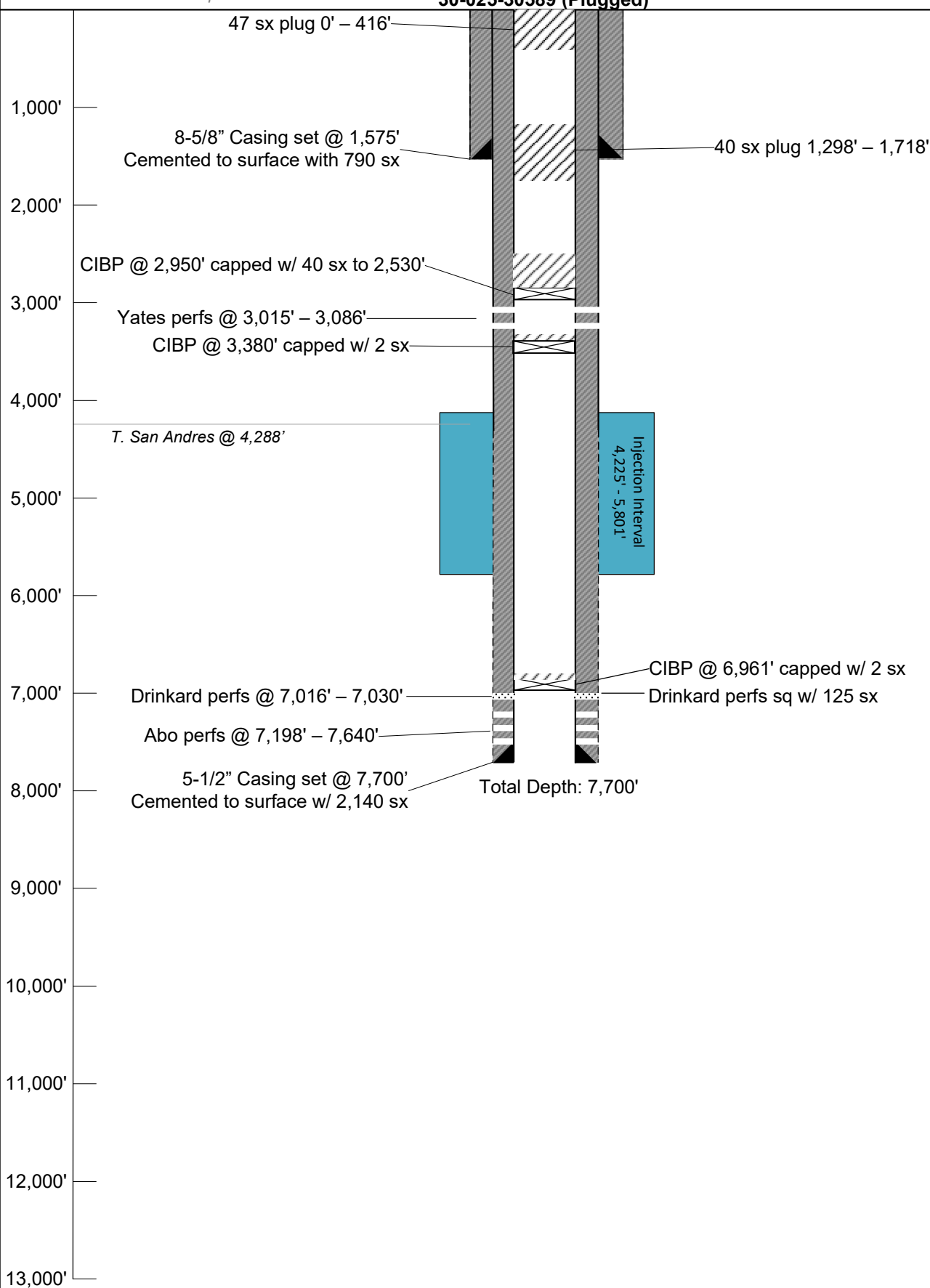
09-17-03 - SPOT 15 SXS @ 60' TO SURFACE

**INSTALL HOLE MARKER
CIRCULATE 10# MUD**

AOR Wellbore Diagram (30-025-30589)

Injection Interval: San Andres & Glorieta @ 4,225' – 5,801'

Formation Depth Picks

**Offset AOR Well
30-025-30589 (Plugged)**

Note: Listed depths and cement volumes are
approximates based on available information.

NOT TO SCALE

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Encl. Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

30-025-30589

WELL API NO.	30-025-30589
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	TIFFANY
8. Well No.	1
9. Pool name or Wildcat	Nadine (Drinkard-Abo)

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. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator LBO NEW MEXICO, INC.	
3. Address of Operator 4101 Birch Str., #130, Newport Beach, CA 92660	
4. Well Location Unit Letter <u>E</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>West</u> Line Section <u>26</u> Township <u>18S 19</u> Range <u>38E</u> NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3604 GR	

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

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

7-21-89
 Rigged up - Sitton Drilling
 Drilled to 1575', ran 1575' 24 lb. 8-5/8" casing. Cemented as per B. J. Titan - 690 sax Class C, 4% gel, A-0. Tail was 100 Sax Class C, 1% gel, A-7.
 Circulated 175 Sax cement to surface. WOC 14 hours.
 Welded on wellhead, nipped up BOP, tested blind ram to 1,000 lbs. for 30 minutes, tested OK. Tested pipe and rams to 1,000 lbs. for 30 minutes, tested OK.
 Drilling at 3600'

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

SIGNATURE Raymond A. Diaz TITLE President DATE 7-24-89
 TYPE OR PRINT NAME Raymond A. Diaz TELEPHONE NO. 714-261-8181

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

JUL 28 1989

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy 1600
 T. Salt _____
 B. Salt _____
 T. Yates 4400
 T. 7 Rivers 3000
 T. Queen 3500
 T. Grayburg 4700
 T. San Andres 4700
 T. Glorieta 5500
 T. Paddock 5400
 T. Blinbry 5000
 T. Tubb 6400
 T. Drinkard 6500
 T. Abo 7100
 T. Wolfcamp _____
 T. Penn _____
 T. Cisco (Bough C) _____

T. Canyon _____
 T. Strawn _____
 T. Atoka _____
 T. Miss _____
 T. Devonian _____
 T. Silurian _____
 T. Montoya _____
 T. Simpson _____
 T. McKee _____
 T. Ellenburger _____
 T. Gr. Wash _____
 T. Delaware Sand _____
 T. Bone Springs _____
 T. _____
 T. _____
 T. _____
 T. _____

Northwestern New Mexico

T. Ojo Alamo _____
 T. Kirtland-Fruitland _____
 T. Pictured Cliffs _____
 T. Cliff House _____
 T. Menefee _____
 T. Point Lookout _____
 T. Mancos _____
 T. Gallup _____
 Base Greenhorn _____
 T. Dakota _____
 T. Morrison _____
 T. Todilto _____
 T. Entrada _____
 T. Wingate _____
 T. Chinle _____
 T. Permian _____
 T. Penn "A" _____

T. Penn. "B" _____
 T. Penn. "C" _____
 T. Penn. "D" _____
 T. Leadville _____
 T. Madison _____
 T. Elbert _____
 T. McCracken _____
 T. Ignacio Otzte _____
 T. Granite _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 3300 to 3300
 No. 2, from 3300 to 3300
 No. 3, from 3300 to 3300
 No. 4, from 3300 to 3300

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.
 No. 2, from _____ to _____ feet.
 No. 3, from _____ to _____ feet.

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
10	1300	1200	RED BED / ANHYDRITE				
1000	2300	1200	SALT / ANHYDRITE				
500	1300	1500	SS / DOC, ANHY				
5000	5500	1200	DOC, SS, ANHY				
5000	5000	400	DOC, SS, ANHY				
5000	7700	1400	DOC, SS, ANHY				

RECEIVED
 AUG 24 1989
 OCD
 HOBBS OFFICE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

30-025-30589

Form C-105
Revised 1-1-89

WELL API NO. 30-025-30589
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG							
1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>			7. Lease Name or Unit Agreement Name TIFFANY				
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>			8. Well No. 1				
2. Name of Operator LBO NEW MEXICO INC.			9. Pool name or Wildcat NADINE (DRAINAGE - ABO)				
3. Address of Operator 4101 BIRCH ST. #130, NAUWAT BEACH, CA 92160							
4. Well Location Unit Letter <u>E</u> : <u>1950</u> Feet From The <u>NORTH</u> Line and <u>660</u> Feet From The <u>WEST</u> Line Section <u>20</u> Township <u>19 S</u> Range <u>3 E</u> NMPM <u>LEA</u> County							
10. Date Spudded 7-21-89	11. Date T.D. Reached 8-10-89	12. Date Compl. (Ready to Prod.) 8-15-89	13. Elevations (DF& RKB, RT, GR, etc.) 3604 62	14. Elev. Casinghead 3611.53			
15. Total Depth 7700	16. Plug Back T.D. 7700	17. If Multiple Compl. How Many Zones? 1	18. Intervals Drilled By Rotary Tools 7700	Cable Tools 0			
19. Producing Interval(s), of this completion - Top, Bottom, Name 8-15-89 - 7016 - 7030 DRAINAGE 7016 - 7030 DRAINAGE			20. Was Directional Survey Made YES				
21. Type Electric and Other Logs Run 8-15-89 - 7016 - 7030 DRAINAGE			22. Was Well Cored NO				
23. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
8 5/8	24#	1575		600 S&S CEMENT	0		
5 1/2	17#	7700	7 7/8	2 STAGE WITH NO TUB			
				SET @ 4407 CEMENT	0		
				TO SURFACE			
24. LINER RECORD			25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	7250	7250
26. Perforation record (interval, size, and number) 7010 - 7018, 2 SRF (48 SHOTS) ABO 7016 - 7030, 2 SRF (24 SHOTS) DRAINAGE			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 7010 - 7018 7016 - 7030 AMOUNT AND KIND MATERIAL USED 18,000 GAL 2-LINK ACID 1,000 GAL 15% HCL				
28. PRODUCTION							
Date First Production 8-15-89		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING			Well Status (Prod. or Shut-in) SHUT-IN		
Date of Test 8-14-89	Hours Tested 24	Choke Size 32/64	Prod'n For Test Period	Oil - Bbl. 300	Gas - MCF 1,500	Water - Bbl. 125 (WAT)	Gas - Oil Ratio 50,000/1
Flow Tubing Press. 350-400	Casing Pressure 500#	Calculated 24-Hour Rate	Oil - Bbl. 300	Gas - MCF 1,500	Water - Bbl. 125	Oil Gravity - API - (Corr.) 41	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) VENTED					Test Witnessed By DANIEL A. TERRY		
30. List Attachments DRAINAGE - 8-15-89 - 7016 - 7030							
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief							
Signature <u>DANIEL A. TERRY</u>			Printed Name <u>DANIEL A. TERRY</u>		Title <u>FORECAST</u>		Date <u>8-8</u>

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

30-025-30589

WELL API NO. <i>30-025-30589</i>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. 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.)		7. Lease Name or Unit Agreement Name <i>Tipping</i>	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Well No. <i>1</i>	
2. Name of Operator <i>ECO New Mexico, Inc.</i>		9. Pool name or Wildcat <i>Yates</i>	
3. Address of Operator <i>505 N. BIG SPRING STE 105 MIDLAND, TX</i>		4. Well Location Unit Letter <i>E</i> <i>1980</i> Feet From The <i>N</i> Line and <i>600</i> Feet From The <i>W</i> Line Section <i>26</i> Township <i>19S</i> Range <i>38E</i> NMPM <i>60A</i> County <i>Lea</i>	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)		11. 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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
 CASING TEST AND CEMENT JOB ☐
 OTHER: ☐

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

9-20-95 HERD Diamond Rental, Tooling 2 7/8" Tubing. RV Computations
 -9-26-95 Log w/ CBL-CLL GR 3400' - 2800' w/ 0 psi; Read w/ 1000 psi.
 Set Casing @ 6961', Dump 2 5/8" Cnt on Top. Set Casing @
 3380'. Press 3015 - 3086 60 Hops. Dump 2 5/8" Cnt on Casing.
 Annule w/ 2500 Gallons 15% H₂O. Press w/ 31,000
 Gallons And 67,000 # 12-20. Down 5 1/2". Clean Out
 Sand, Circulate Hole w/ 2% KCl. Seal when 12.

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

SIGNATURE *Mark D. Clarke* TITLE *Engineer* DATE *12/5/95*

TYPE OR PRINT NAME *Mark D. Clarke* TELEPHONE NO. *(505) 393-1050*

(This space for State Use) ORIGINAL SIGNED BY *MARK D. CLARKE*
 DISTRICT SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

DEC 11 1995

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Aramis, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

30-025-30589

Form C-105
Revised 1-1-89

WELL API NO. 30-025-30589
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		7. Lease Name or Unit Agreement Name Tiffany	
b. Type of Completion: NEW WELL <input type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DEEP REPAIR <input type="checkbox"/> OTHER _____		8. Well No. _____	
2. Name of Operator Leo New Mexico, Inc.		9. Pool name or wellhead Vilodet Yates	
3. Address of Operator 505 N. Big Springs St. 105 Midland, Texas 79701			
4. Well Location Unit Letter <u>E</u> : <u>1900</u> Feet From The <u>N</u> Line and <u>660</u> Feet From The <u>W</u> Line Section <u>26</u> Township <u>19S</u> Range <u>38E</u> NMPM <u>66</u> County _____			
10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.) 10-1-95	13. Elevations (DP& RKB, RT, GR, etc.)
14. Elev. Casinghead	15. Total Depth	16. Plug Back T.D. 3350	17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By	Rotary Tools	Cable Tools	
19. Producing Interval(s), of this completion - Top, Bottom, Name Silver River Yates 3015-3086			20. Was Directional Survey Made
21. Type Electric and Other Logs Run BOL-UL-GR			22. Was Well Cored

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET

26. Perforation record (interval, size, and number)			27. ACID, SHOT, FRACTURE, CEMENT, SOUEEZE, ETC.	
			DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3015-3086	3/8"	60 holes	3015-86	2500 Gallons 15% HCL
(Silver River) Yates			3015-86	30,000 Gallons + 67,000 # 12/20

28. PRODUCTION							
Date First Production 10-1-95		Production Method (Flowing, gas lift, pumping - Size and type pump) F				Well Status (Prod. or Shut-in)	
Date of Test 9-27-95	Hours Tested 24	Choke Size 15/64	Prod'n For Test Period	Oil - Bbl. 48	Gas - MCF 240	Water - Bbl. 14	Gas - Oil Ratio 5000
Flow Tubing Press. 300	Casing Pressure 150	Calculated 24-Hour Rate	Oil - Bbl. 48	Gas - MCF 240	Water - Bbl. 14	Oil Gravity - API - (Corr.) 36°	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) 2000	Test Witnessed By Mark D. Clarke
30. List Attachments	

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief			
Signature Mark D. Clarke	Printed Name Mark D. Clarke	Title Engineer	Date 12/1/95

J.H.H.C.
WELL DATA SHEET

LEASE Ti Hany # WELL NO. 1 FIELD Nadine Yates-7 River DATE 8-7-08
 U.L. E
 LOCATION 1980 FEET FROM North LINE AND 660 FEET FROM West LINE
 SECTION 26 TOWNSHIP 19-S RANGE 38-E COUNTY Lea STATE N.M.

WH CONN: None

* Plug #3
 f/416' up to Surf.

475x cat

P+A

mud

405x cat

P+A

mud

cat = 40

* Plug #1 = 405x f/2950'
 5 1/2 CIBP @ 2950'
 Yates - 3015' - 3096'

5 1/2 CIBP @ 3380'

Cap w/ 25x cat.

5 1/2 CIBP @ 6970'
 Cap w/ 25x cat.
 7016'
 Drinkard - 7030'
 28 Holes
 Abo - 7199' - 7640'
 40 Holes

GE: 3604
 KDB to GE 19.0
 DF to GE 11.0

8 5/8" OD 24 lbs.
 Surf. Pipe set @
 1575 w/ 790 sx
 Cmt. Circ? yes - 175 sx.

D.V. Tool @ 4646' - 4648'

5 1/2" OD
 Gr J55 R-2+3 Class B
 17 #Csg set @
 7700' w/ 1400' - #1
 740' - #2
 Cmt. Circ? yes - 175 - 5x?
 TOC @ Surf. by TS - CBL
 DV Tool @ 4646' - 4648'

PBD Surface
 TD 7700

Date Completed 8-7-08 P+Ad
 Initial Formation
 FROM: 7700 TO: Surface
 Initial Production BOPD BWPD
 MCFFD GOR

Completion Data:

P+A - 8-7-08 = CIBP @ 2950' 405x Cat Plug
 f/2950' to 2530', P+A Mud f/2530' to 1718'.
 405x Cat. f/1718' to 1298'. P+A Mud f/1298' to
 416' - 475x Cat. f/416' up to Surface.

Subsequent Workover or Reconditioning:

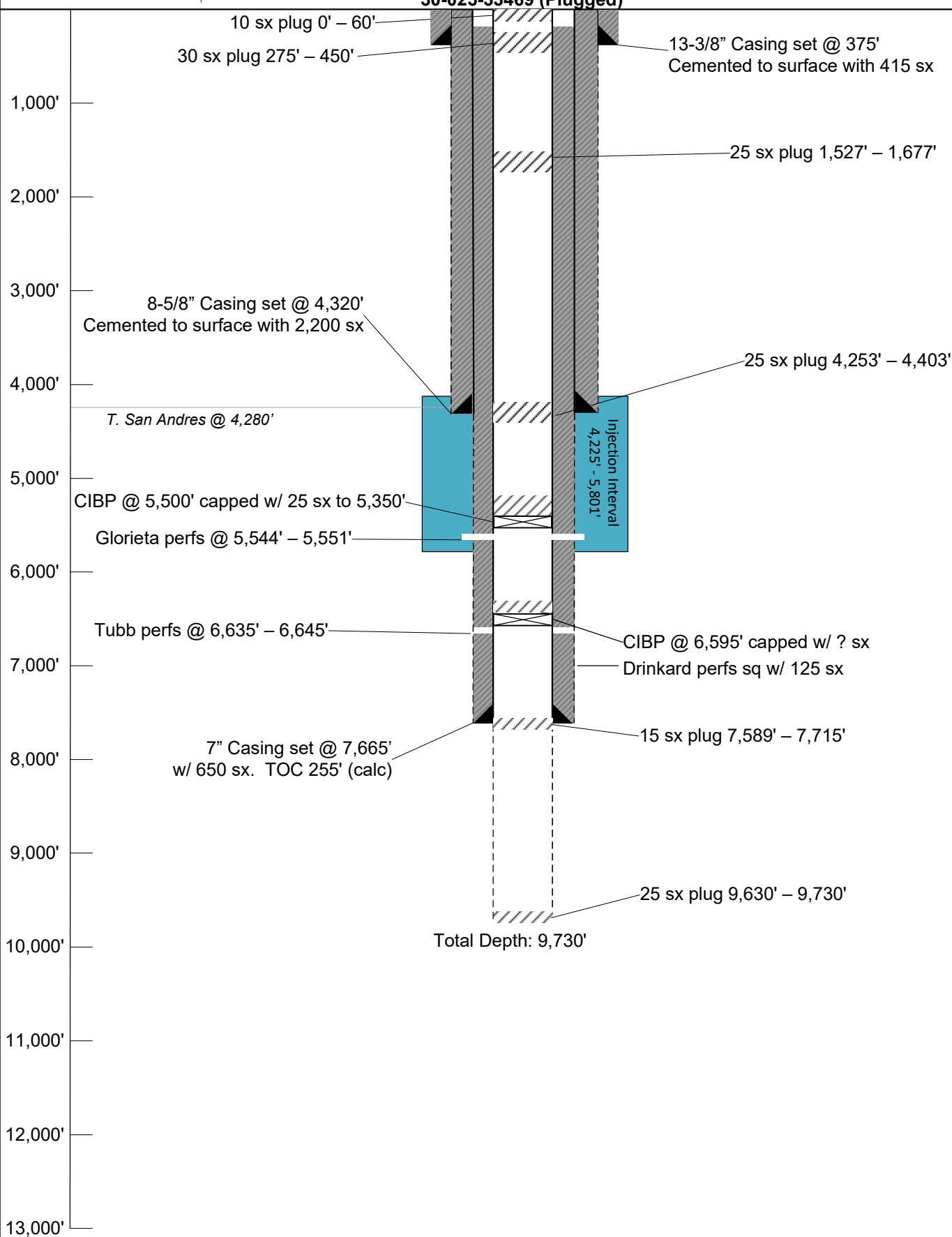
Present Prod. BOPD BWPD
 MCFFD GOR
 Date

Remarks or Additional Data:

AOR Wellbore Diagram (30-025-33469)

Injection Interval: San Andres & Glorieta @ 4,225' – 5,801'

Formation Depth Picks

**Offset AOR Well
30-025-33469 (Plugged)**

Note: Listed depths and cement volumes are approximates based on available information.

NOT TO SCALE

Office

District I

1625 N French Dr., Hobbs, NM 88240

District II

1301 W Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S St. Francis Dr., Santa Fe, NM 87505

87505

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

RECEIVED
SEP 15 2008
OIL CONSERVATION DIVISION
HOBBS OCD

1220 South St. Francis Dr.
Santa Fe, NM 87505

30-025-30589

WELL API NO.	30-025-30589 ✓
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	✓
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Tiffany	✓
8. Well Number	1 ✓
9. OGRID Number	012024 ✓
10. Pool name or Wildcat Nadine; Yates - 7 Rvrs. S.	✓

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. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

John H. Hendrix Corporation ✓

3. Address of Operator

P. O. Box 3040
Midland, TX 79702-3040

4. Well Location

Unit Letter E : 1980 feet from the North line and 660 feet from the West line
Section 26 Township 19S Range 38E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. 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 ☐ MULTIPLE COMPL ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ P AND A ☒CASING/CEMENT JOB ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

8/6/08 Called Buddy Hill w/ NMOCD - Discussed P&A Ops. - MIRU Nabors WS - Unseated pump - Hot wtr. rods & tbg. w/ 70 BW & Para Sperse. POH w/ rods & pump, LD all rods & equip. - ND WE NU BOP, SLMOH w/ 98 jts. 2-7/8" tbg., SN, PS, BPMA jt. = 3158' - SION.

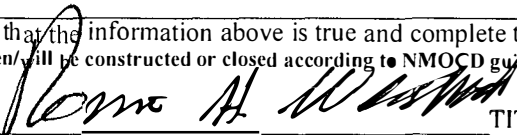
8/7/08 RIH w/ 5-1/2" Watson CIBP on 92 jts. 2-7/8" tbg. - Set CIBP @ 2950'. RU Key Cmtg. - Circ. hole w/ 60 bbls. pre-mixed (Nova) P&A mud. Tested 5-1/2" csg. & CIBP to 1000 psi - Held - Cont. to mix & pump & spot 40 sx. Class C cmt. fr. 2950' up to 2530' - PUH LD 38 jts. tbg. to 1718' - Mixed, pumped & spotted 40 sx. Class C cmt., balanced plug fr. 1718' up to 1298' - PUH 41 jts. to 416' - Mixed & pumped 47 sx. Class C cmt. fr. 416' up to surface inside 5-1/2" csg. - Circ. 7 sx. cmt. to transport - POH LD 13 jts. 2-7/8" tbg. - RD cmtg. equip. - Cleaned BOP & tools - NDBOP, RD Nabors WS - Moved to Elliott B-13 #2 - Well plugged - P&A ops. witnessed & monitored by OCD Rep. Mark Whitaker - Will install dry hole marker next week - End of Ops.

8/10/08 Installed dry hole marker - Well P&A'd.

Approved for plugging of well bore only.
Liability under bond is retained pending receipt
of C-103 (Subsequent Report of Well Plugging)
which may be found at OCD Web Page under
Forms, www.cmnrd.state.nm.us/oed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE



TITLE Vice President

DATE 09/03/2008

Type or print name Ronnie H. Westbrook

For State Use Only

E-mail address: ronniew@jhnc.org Phone No. (432)684-6631

OCD FIELD REPRESENTATIVE / STATE MANAGER

APPROVED BY:



TITLE

DATE

Conditions of Approval (if any):

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

811 S. 1st Street, Artesia, NM 88210-2834

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

30-025-33469

Form C-105
Revised 1-1-89

WELL API NO.

30-025-33469

5. Indicate Type Of Lease

STATE ☐FEE ☒

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER Shut-In

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER SHUT-IN

7. Lease Name or Unit Agreement Name

McNEILL

2. Name of Operator

Marathon Oil Company

8. Well No.

1

3. Address of Operator

P.O. Box 552, Midland, TX 79702

9. Pool name or Wildcat

WILDCAT

4. Well Location

Unit Letter J : 1980 Feet From The SOUTH Line and 1980 Feet From The EAST Line

Section 22Township 19-SOUTHRange 38-EAST

NMPM LEA

County

10. Date Spudded

6/12/96

11. Date T.D. Reached

7/24/96

12. Date Compl.(Ready to Prod.)

13. Elevations(DF & RKB, RT, GR, etc.)

3595' GL, 3613' KB

14. Elev. Casinghead

15. Total Depth

9730

16. Plug Back T.D.

7589'

17. If Multiple Compl. How

Many Zones?

18. Intervals

Drilled By

Rotary Tools

XXX

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

NONE

20. Was Directional Survey Made

NO

21. Type Electric and Other Logs Run

Platform Express 9720'-7665'

Platform Express 8322' - 4322', CNL/GR/Sonic to Surf

22. Was Well Cored

NO

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48	375'	17 1/2"	415 sx, Circ'd 97	-0-
8 5/8"	32	4320'	11"	2200 sx, Circ'd 130	-0-
7"	29	7665'	7 7/8"	650 sx	-0-

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
NONE					NONE		

25. TUBING RECORD

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

NONE

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)	
NONE						SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

W. J. Duvane

Printed Name

D. P. NORDT

Title

DRILLING SUPT.

Date

3/6/97

McNEILL #1 - LEA COUNTY, NM
PAGE 2

30-025-33469

TIH OE TO TD - 9730'. MIX & SPOT 25 SX CLASS "H" W/.2% HALAD-9 WT - 15.6, YIELD 1.18 FROM 9730' - 9630'.
LDDP TO 7715'. MIX & SPOT 25 SX CLASS "H" W/.2% HALAD-9, WT-15.6, YIELD 1.18. REVERSED OUT 10 SX
CEMENT. POOH TO 6880'. WOC 3 HRS. TIH & TAGGED FIRM CEMENT @ 7589'. L.D. D.P. N.D. BOP, INSTALLED
BLIND FLGE. RELEASED RIG @ 1200 HRS, 7/26/96. RECEIVED PERMISSION TO TA WELL FROM PAUL KAUTZ
7/24/96.

Mid-Continent Region
Production United States**Marathon
Oil Company**P.O. Box 552
Midland, Texas 79702
Telephone 915/682-1626**30-025-33469****McNEILL #1
1980' FSL & 1980' FEL
SEC. 22, T-19-S, R-38-E
LEA COUNTY, NM**

6/12 - MIRU McVAY #7. SPUD 17 1/2" HOLE @ 11.45 HRS 6/12/96. DRILLED TO 375'. RAN 8 JTS 13 3/8", 48#, K-55, STC, NEW CSG TO 375'. FLOAT SHOE @ 374, FLOAT COLLAR @ 332. HALLIBURTON MIXED & PUMPED 415 SX HOWCO PREMIUM PLUS W/2% CACL2 W/25 PPS FLOCELE BUMPED PLUG W/500 PSI. SHUT IN CSG HEAD, CIRC'D 97 SX TO SURFACE. PLUG DOWN @ 2130 HRS 6/12/96.

WOC 4 HRS. N.U. BOPE. TESTED BLIND & PIPE RAMS, CHOKE & KILL LINES, MANIFOLD, FLOOR VALVES & MUD LINES TO 300/3000 PSI. TESTED CSG TO 1000 PSI. TIH W/11" BIT & TAGGED CEMENT @ 325'. TOTAL WOC TIME - 16 HRS. DRILLED FLOAT COLLAR, CEMENT & SHOE TO 385'. RAN 11 PPG EMW TEST - OK.

DRILLED 11" HOLE TO 4320' TD @ 0215 HRS 6/20/96. RAN 105 JTS 8 5/8", 32#, K-55, LTC CSG TO 4320', SHOE @ 4319' COLLAR @ 4276'. CEMENTED INTERMEDIATE W/2000 SX HOWCO LITE PREM. PLUS WT - 12.7, YIELD 2.03. TAILED IN W/200 SX PREM PLUS, WT 14.8, YIELD 1.34. BUMPED PLUG, CIRC'D 130 SX TO PIT. PLUG DOWN @ 1745 HRS 6/20/96. ND BOP SET SLIPS W/125K. CUT CSG & INSTALLED "B" SECTION, TESTED SEALS TO 2000 PSI.

TESTED BLIND & PIPERAMS, CHOKE & KILL LINES, MANIFOLD FLOOR VALVES & MUD LINES TO 300/3000 PSI. TESTED CSG TO 1000 PSI. TIH W/7 7/8" BIT. TAGGED CEMENT @ 4193', DRILLED F.C. & CEMENT TO 4300' TESTED CSG TO 1000 PSI.

DRILLED 7 7/8" HOLE TO 8344'. HAD SEVERE LOST CIRCULATION. ATTEMPTED TO HEAL LOSSES W/LCM. SPOTTED 150 SX THIXSET @ 8315', 150 SX THIXSET @ 4606'. DRILLED CEMENT PLUGS & STILL HAD LOSSES. SPOTTED 150 SX THIXSET @ 4625', DRILLED PLUG & HAD LOSSES OF 20 BPH. SPOTTED 150 SX THIXSET @ 4639', DRILLED PLUG & HAD LOSSES OF 72 BPH.

R.U. SCHLUBERGER, LOGGED WELL AS FOLLOWS: PLATFORM EXPRESS 8322' - 4322' RAN CNL/SONIC/GR TO SURFACE. SET RBP IN 8 5/8" CSG @ 1200'. CUTOFF WELLHEAD, INSTALLED 8 5/8" "A" SECTION & TESTED WELD TO 1000 PSI. UNDERREAMED 7 7/8" HOLE 4340' - 5830' & PARTED UNDERREAMER. TAGGED FISH @ 8288', BECAME DIFFERENTIALLY STUCK 8011-8120' RAN FREE POINT & MADE BACK OFF @ 7976'. SPOTTED 150 SX PREMIUM PLUS W/10 PPS SAND 7976' - 7665'.

CHANGED RAMS TO 7", RAN 121 JTS 7", 29#, P-110 CMFL4-S CSG TO 7665'. FLOAT SHOE @ 7663', FLOAT COLLAR @ 7572'. CEMENTED CASING W/300 SX PREM PLUS W/3% ECONOLITE, 1/4 PPS FLOCELE, 2% GEL, 3% KCL, WT-14.1, YIELD 1.25. TAILED IN W/350 SX 50/50 POZ @ 14.4 PPG, YIELD 1.25. BUMPED PLUG @ 2200 HRS 7/11/96. WOC, SET SLIPS W/135K, CUT OFF 7" & N.U. "B" SECTION TESTED SEALS TO 3000 PSI. TESTED, RAMS, CHOKE & KILL LINES, KELLY, MUD LINES & FLOOR VALVES TO 250/3000 PSI. P.U. 6 1/8" BIT & TAGGED CEMENT @ 7535'. TOTAL WOC - 25 HRS. DRILLED CEMENT, COLLAR & SHOE TO 7665'.

REQUESTED PERMISSION TO SIDETRACK AROUND JUNK FROM JERRY SEXTON 7/16/96. MAKE KICKOFF @ 7765' W/MOTOR & BENTSUB, DRILLED TO 7781', POH & RAN CONVENTIONAL BIT & MOTOR & DRILLED TO 9417'. RAN DST #1, 9300' - 9417'. D.P. CONTAINED 60 BBLS FORMATION WATER. CL -30,000. DRILLED TO 9730', TD @ 1600 HRS 7/24/96. R.U. SCHLUMBERGER, N.U. LUBRICATOR, PUMP IN SUB & W.L. BOP'S. RAN PLATFORM EXPRESS (DLL/MSFL/LDT/CNL/GR/CAL) 9720' - 7665'. GCH/SONIC/LR 9720' - 7665'.

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

30-025-33469

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-025-33469
Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
State Oil & Gas Lease No.
Lease Name or Unit Agreement Name McNeill
Well No. 1
Pool name or Wildcat N/A

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.)

Type of Well:

OIL WELL ☒ GAS WELL ☐ OTHER

Name of Operator
Cross Timbers Operating Company

Address of Operator
3000 North Garfield, Suite 175, Midland, TX 79705

Well Location

Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line

22 Section 19S Township 38E Range NMPM Lea County

Elevation (Show whether DF, RKB, RT, GR, etc.)
3592' GR

11

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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ANBANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: SI well ☒

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.

12/10/97 Perforated Tubb @ 6635-6645' (2 spf), total 20 - 0.5" holes. Acidized with 2000 gals 15% NEFE HCl acid. Frac'd w/22,500 gals x-linked gelled water carrying 51,620# 20/40 Ottawa sand. Swab tested non-productive. Set CIBP @ 6595'. Ran CBL log. Perforated Glorieta @ 5547-5551' (1 jsfp), total 5 - 0.42" holes. Acidized w/200 gals 15% NEFE HCl acid. Swab tested, no entry. Re-perforated Glorieta @ 5544.5'-5545.5' (4 jsfp), total 4 - 0.5" holes. Acidized w/1250 gals 15% NEFE HCl. Swabbed tested non-productive. SI well pending evaluation.

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

SIGNATURE

Janice Courtney

TITLE Regulatory Tech

DATE 01-08-98

TYPE OR PRINT NAME Janice Courtney

TELEPHONE NO. 915/682-8873

(This space for State Use)

ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies To Appropriate District Office
District I
 1625 N. French Dr., Hobbs, NM 88240
District II
 811 South First, Artesia, NM 88210
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505
30-025-33469

JAY 16 2000

Form C-103

Revised March 25, 1999

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.)		WELL API NO. 30-025-33469
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Cross Timbers Operating Company		6. State Oil & Gas Lease No.
3. Address of Operator 3000 N. Garfield, Suite 175, Midland, Texas 79705		7. Lease Name or Unit Agreement Name: McNeill
4. Well Location Unit Letter J : 1980 feet from the South line and 1980 feet from the East line Section 22 Township 19S Range 38E NMPM County Lea		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3592' GR		9. Pool name or Wildcat Nadine Tubb

11. 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 ☐ MULTIPLE COMPLETION ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☒CASING TEST AND CEMENT JOB ☐OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

5/5/00 MIRU plugging equipment

5/8/00 Notified OCD, Johnny Robinson, Gary Wink. NU BOP & lined pit. Dumpballed cmt on top of CIBP @ 6,595'. Set CIBP @ 5,500'. RIH w/ tbg and circulated hole w/ mud, pumped 25 sx C cmt 5,500 - 5,350'. Pumped 25 sx C cmt 4,403 - 4,253'. Pumped 25 sx C cmt 1,677 - 1,527'. Pumped 30 sx C cmt @ 450'.


5/9/00 Notified OCD, Gary Wink. Tagged cmt @ 275'. Pumped 10 sx C cmt 60' to surface.

5/10/00 Cut off wellhead and installed dry hole marker, closed pit and removed anchors.

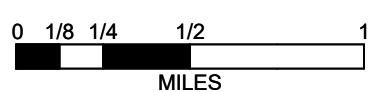
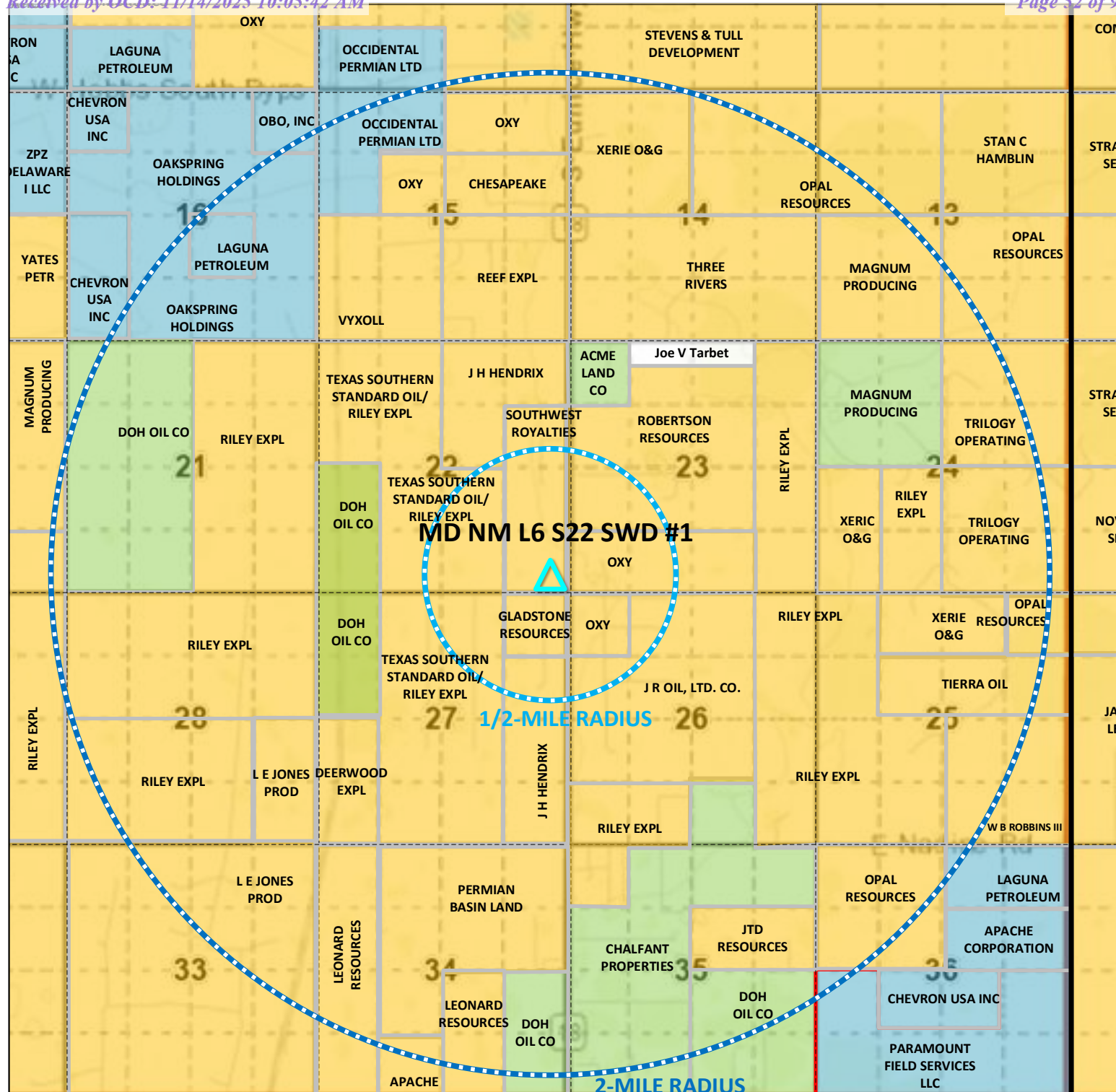
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE **Petroleum Engineer** DATE **5/11/00**Type or print name **James F. Newman**Telephone No. **915-687-1994**

(This space for State use)

APPROVED BY  TITLE DATE **JUL 08 2000**

Conditions of approval, if any:










PREPARED BY:

ACE 
Energy Advisors

NATE.ALLEMAN@ACEADVISORS.COM
918.237.0559

DATA SOURCES: NMOCD, BLM, SLO, ENVERUS

LEGEND

-  PRIVATE MINERAL LEASE
-  FEDERAL (BLM) MINERAL LEASE
-  STATE (SLO) MINERAL LEASE
-  UNLEASED TRACT
-  2-MILE RADIUS
-  1/2-MILE RADIUS
-  PROPOSED SWD

LEASEHOLDER MAP

MD NM L6 S22 SWD #1

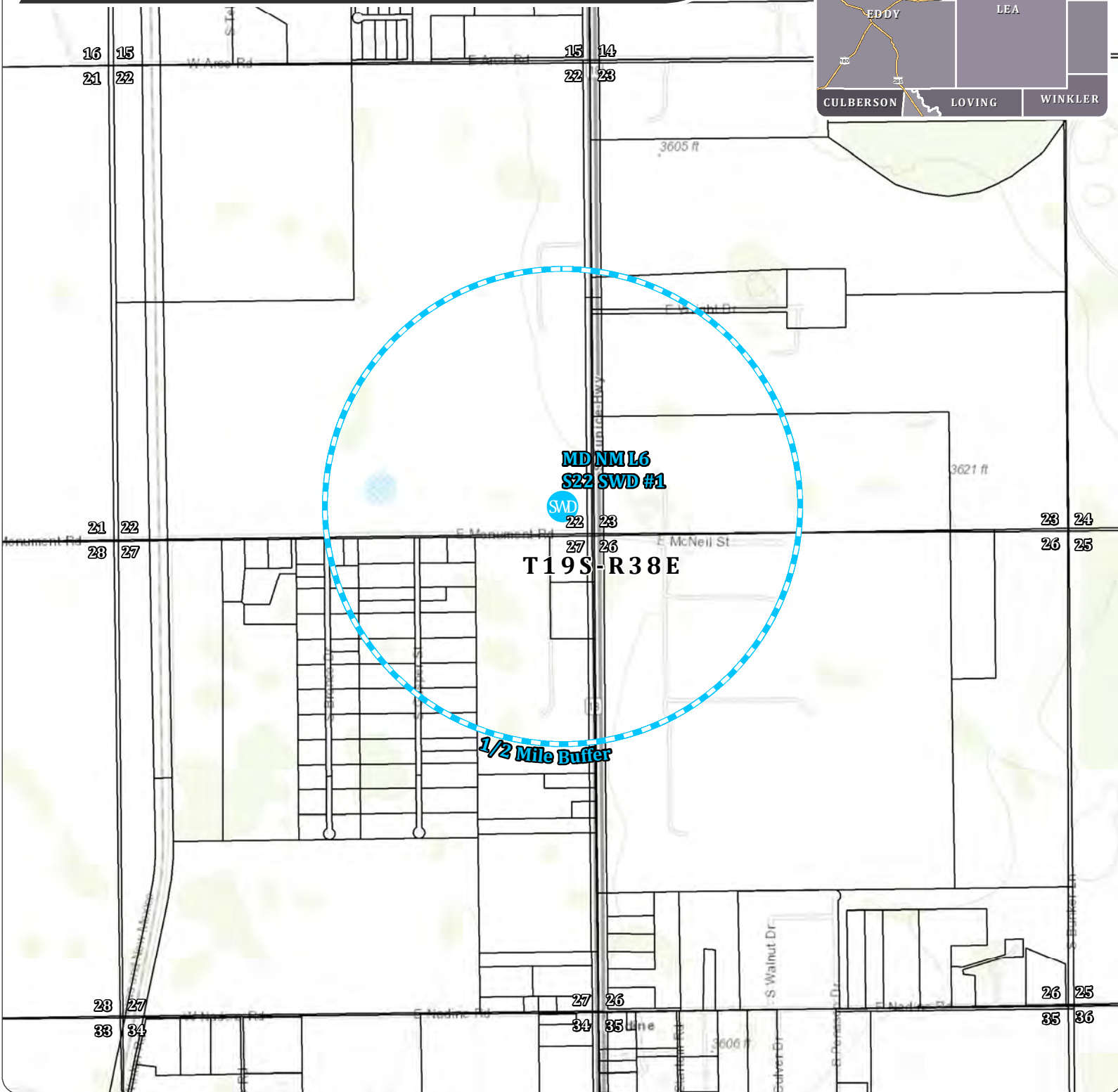
SECTION 22 T19S R38E

PREPARED FOR:
SOLARIS WATER MIDSTREAM, LLC



SURFACE OWNERSHIP MAP






SECTION 22, TOWNSHIP 19 SOUTH, RANGE 38 EAST, LEA COUNTY, NEW MEXICO



1:18,000

0 1,000 2,000 3,000 Feet

Legend

-  Proposed SWD
-  1/2 Mile Buffer
-  Federal Land
-  State of NM Land
-  Private Land

MD NM L6 S22 SWD #1**OPERATOR:**
SOLARIS WATER MIDSTREAM, LLC.

Project Managed By:
ACE
Energy Advisors
(918) 237-0559
nate.alleman@aceadvisors.com

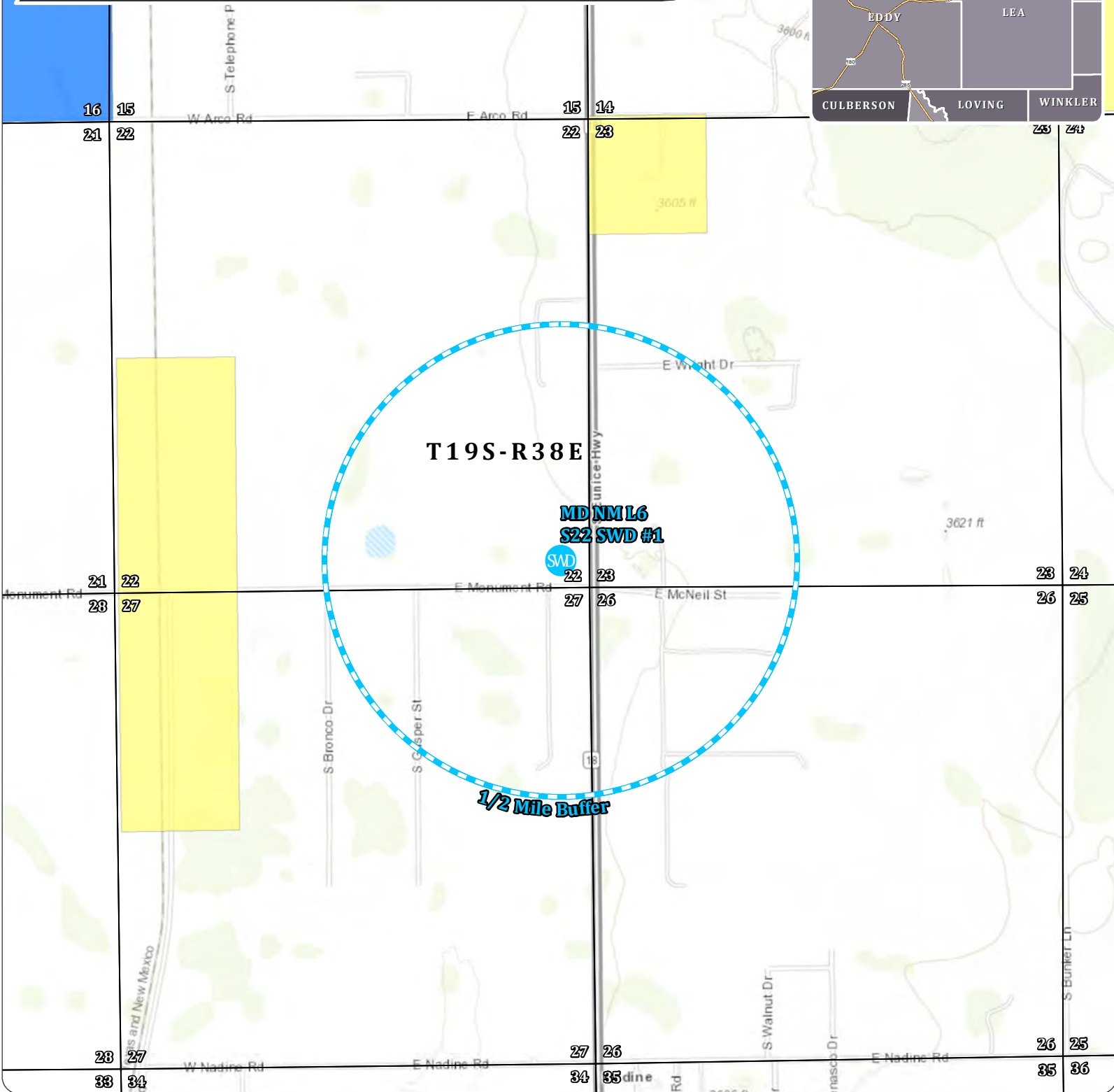
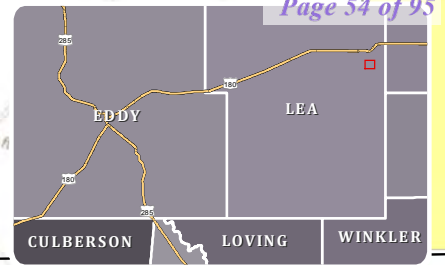
Map Prepared By:
COOSA
CONSULTING
(432) 631-4738
info@coosaconsulting.com

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: Foot US



MINERAL OWNERSHIP MAP






SECTION 22, TOWNSHIP 19 SOUTH, RANGE 38 EAST, LEA COUNTY, NEW MEXICO



1:18,000

0 1,000 2,000 3,000 Feet

Legend

-  Proposed SWD
-  1/2 Mile Buffer
-  Subsurface minerals (NMSLO)
-  All minerals are owned by U.S. (BLM)
-  Private minerals

MD NM L6 S22 SWD #1**OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.**

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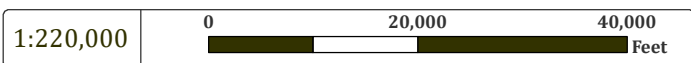
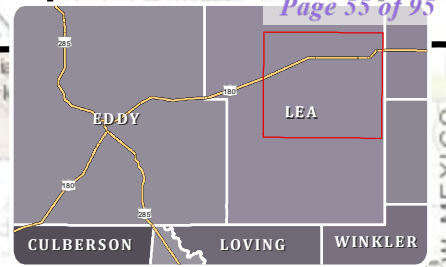
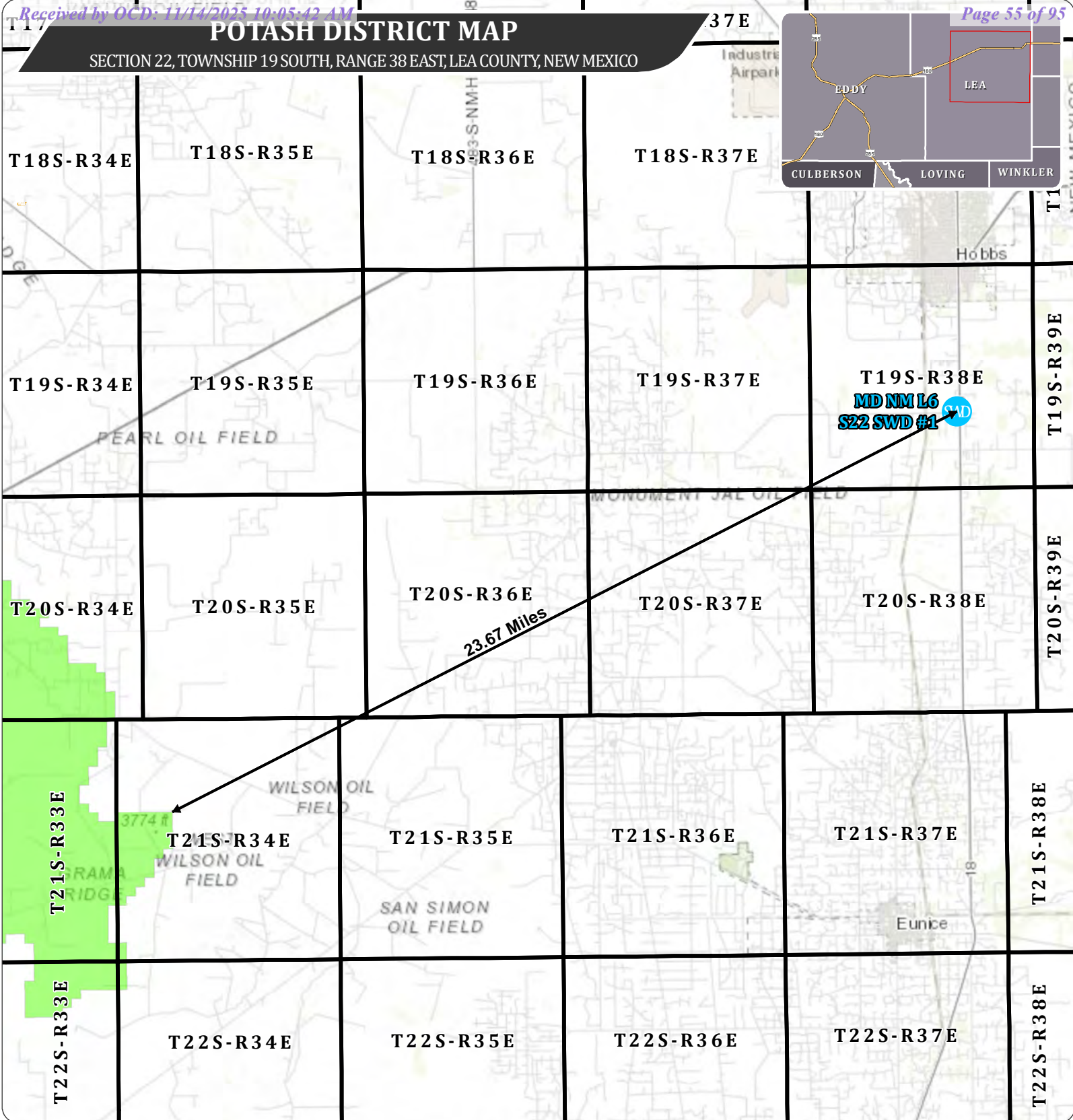
Map Prepared By:
COOSA
CONSULTING
(432) 631-4738
info@coosaconsulting.com

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: Foot US



POTASH DISTRICT MAP

SECTION 22, TOWNSHIP 19 SOUTH, RANGE 38 EAST, LEA COUNTY, NEW MEXICO



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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: Foot US

Legend

 Proposed SWD
 Potash District

MD NM L6 S22 SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.

Attachment 3

Source Formation Water Analysis																							
Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgs	Ftgw	County	State	Formation	Sampled	PH	TDS (Mg/L)	Sodium (Mg/L)	Calcium (Mg/L)	Iron (Mg/L)	Magnesium (Mg/L)	Manganese (Mg/L)	Chloride (Mg/L)	Bicarbonate (Mg/L)	Sulfate (Mg/L)
STATE NPA #001	30-025-03156	32.6879654	-103.5031815	6	19S	35E	L	1980S	660W	LEA	NM	BONE SPRING	1960	7.7	25800						14100	830	1120
SHOOTING STAR STATE SWD #001	30-025-29805	32.7594261	-103.4270935	11	18S	35E	J	1650S	2310E	LEA	NM	BONE SPRING	2001	6.2			15600	3	982		148248	244	650
SINCLAIR STATE #002	30-025-03123	32.7386246	-103.4561005	21	18S	35E	A	660N	660E	LEA	NM	WOLFCAMP	1960	7.1	60950						33568	1087	3049
IRONHOUSE 19 STATE COM #001H	30-025-40676	32.7266121	-103.499527	19	18S	35E	N	200S	1800W	Lea	NM	BONE SPRING 2ND SAND	2014	6.4	182864	58171	4944	49	1893	1	113954	195	0
IRONHOUSE 19 STATE COM #004H	30-025-41245	32.7264938	-103.5014343	19	18S	35E	M	150S	1215W	Lea	NM	BONE SPRING 2ND SAND	2014	6.2	189029	64016	5319	39	2044	2	113566	159	0
IRONHOUSE 19 STATE COM #002H	30-025-41094	32.7271118	-103.4903336	19	18S	35E	P	410S	630E	Lea	NM	BONE SPRING 2ND SAND	2014	6.0	205332	72646	4828	39	2316	2	130450	488	1503
IRONHOUSE 20 STATE COM #001	30-025-40611	32.7265129	-103.4774857	20	18S	35E	O	200S	1980E	Lea	NM	BONE SPRING 2ND SAND	2014	6.1	186865	65638	4698	16	1700	1	116510	1098	1804
IRONHOUSE 20 STATE #002H	30-025-40748	32.7265129	-103.4731903	20	18S	35E	P	200S	660E	Lea	NM	BONE SPRING 2ND SAND	2014	6.6	196865	66738	4631	23	1790	1	116580	1298	1894
IRONHOUSE 19 STATE COM #003H	30-025-41050	32.7264977	-103.4941711	19	18S	35E	O	175S	1810E	Lea	NM	BONE SPRING 2ND SAND	2014	6.2	178457	56874	6125	22	1457	1	125412	845	849
HAMON STATE #001	30-025-03140	32.7175827	-103.4464035	27	18S	35E	K	2310S	2310W	LEA	NM	BONE SPRING			154510						96360	430	1210
LEA 403 STATE #001	30-025-03126	32.7386093	-103.4518051	22	18S	35E	D	660N	660W	LEA	NM	BONE SPRING	1958	6.7	255451						156699	327	779
LEA 403 STATE #001	30-025-03126	32.7386093	-103.4518051	22	18S	35E	D	660N	660W	LEA	NM	BONE SPRING			255451						156699	327	779
HAMON STATE #001	30-025-03140	32.7175827	-103.4464035	27	18S	35E	K	2310S	2310W	LEA	NM	BONE SPRING			154510						96360	430	1210
SHOOTING STAR STATE SWD #001	30-025-29805	32.7594261	-103.4270935	11	18S	35E	J	1650S	2310E	LEA	NM	BONE SPRING									148248	244	650
STATE NPA #001	30-025-03156	32.6879654	-103.5031815	6	19S	35E	L	1980S	660W	LEA	NM	BONE SPRING			195200						118000	220	1030
APPLESEED FEDERAL COM #001	30-025-20377	32.5750008	-103.4730377	17	20S	35E	H	1980N	660E	LEA	NM	BONE SPRING			173141						93660	5174	7916
ALPHABET AOR STATE #001	30-025-21342	32.4806519	-103.4940796	17	21S	34E	F	1980N	1980W	LEA	NM	BONE SPRING									95978	391	400
HUNT APO STATE #001	30-025-27135	32.5070038	-103.4812317	4	21S	34E	T	2310S	660W	LEA	NM	BONE SPRING									154965	146	350
BERRY APN STATE #001	30-025-27250	32.5060349	-103.4983444	5	21S	34E	L	1980S	660W	LEA	NM	BONE SPRING			128117						82351	567	1723
H L VINSON #001	30-025-03587	33.5251312	-103.237999	22	09S	36E	A	660N	660E	Lea	NM	WOLFCAMP									66400	187	690
PHILLIPS STATE #001	30-025-03659	33.3458824	-103.2939529	22	11S	36E	N	660S	1980W	LEA	NM	WOLFCAMP			78885						47400	354	875
STATE CA #001	30-025-03743	32.902153	-103.3229828	23	16S	36E	O	660S	1980E	LEA	NM	WOLFCAMP			167968						102800	61	623
SINCLAIR STATE #002	30-025-03123	32.7386246	-103.4561005	21	18S	35E	A	660N	660E	LEA	NM	WOLFCAMP			60950						33568	1087	3049

Attachment 4

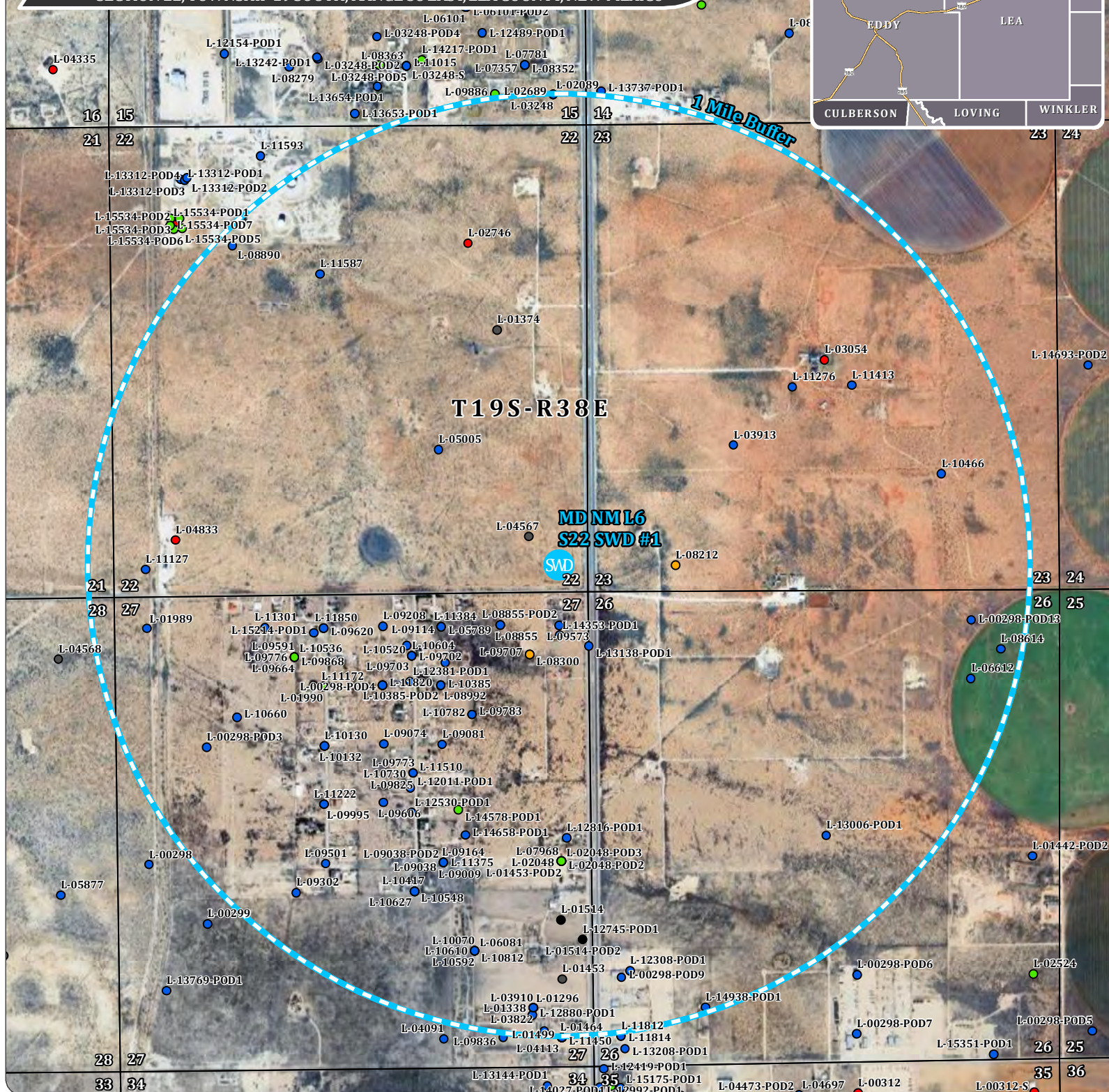
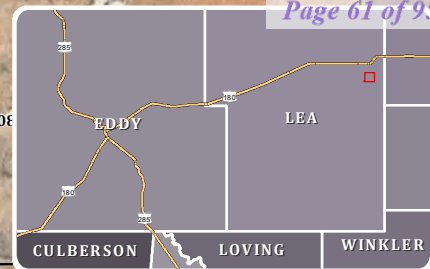
Injection Formation Water Analysis															
Well Name	API	TVD ft)	Latitude	Longitude	Section	Township	Range	Unit	Formation	Date Sampled	PH	TDS (Mg/L)	Chloride (MG/L)	Bicarbonate (MG/L)	Sulfate (MG/L)
BORDAGES #001	30-025-07707	8,268	32.6503105	-103.1374054	22	19S	38E	C	GRAYBURG/SAN ANDRES	Unknown	Unknown	36,794	19,180	641	3,283
BORDAGES #001	30-025-07707	8,268	32.6503105	-103.1374054	22	19S	38E	C	GRAYBURG/SAN ANDRES	Unknown	Unknown	135,439	84,420	746	1,436
BORDAGES #001	30-025-07707	8,268	32.6503105	-103.1374054	22	19S	38E	C	GRAYBURG/SAN ANDRES	Unknown	Unknown	139,766	83,600	396	5,280
BORDAGES #001	30-025-07707	8,268	32.6503105	-103.1374054	22	19S	38E	C	GRAYBURG/SAN ANDRES	Unknown	Unknown	142,865	89,070	546	2,022

Source: New Mexico Tech; Go-Tech Produced Water Quality Data Search (<https://gotech.nmt.edu/gotech/Water/producedwater.aspx>)

Attachment 5

WATER WELL MAP

SECTION 22, TOWNSHIP 19 SOUTH, RANGE 38 EAST, LEA COUNTY, NEW MEXICO



1:18,000

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Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
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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: Foot US



Legend



Proposed SWD



1 Mile Buffer

NMOSE Points of Diversion

- Active
- Pending
- Changed Location of Well
- Inactive
- Capped
- Plugged
- Unknown

MD NM L6 S22 SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.



Released to Imaging: 12/5/2025 2:09:05 PM

Rev: 0

Water Well Sampling Table							
Water Well ID	OSE Status	Owner	Available Contact Information	Use	Latitude	Longitude	Notes
L-00298-POD13	Active	Dale L. Hoopes	P.o. Box 571, Jal, NM 88252	Irrigation	32.6375	-103.1139	Potential Sampling Candidate
L 00298 POD3	Active	J.w. Neal	P.o. Box 278 Hobbs, NM 88240	Irrigation	32.633882	-103.141763	Potential Sampling Candidate
L 00298 POD4	Active	Lloyd J. Murphy	P.o. Box 2404 Hobbs, NM 88240	Irrigation	32.635735	-103.135351	Potential Sampling Candidate
L-00298-POD9	Active	Gary M. Schubert	Po Box 6056, Hobbs, NM 88240	Irrigation	32.6266	-103.1268	Potential Sampling Candidate
L-01296	Active	Leonard Smith	Star Route A, Hobbs, NM	Domestic	32.6257	-103.13	Potential Sampling Candidate
L-01338	Active	C.m. Chapman	Box 42, Hobbs, NM	Domestic	32.6257	-103.13	Potential Sampling Candidate
L 01374	N/A	Chris Furneaux	301 Rainbow Drive Hobbs, NM	Prospecting	32.646629	-103.131031	Not suitable for sampling based on use
L-01453	N/A	Melvin M. Pearce	6423 Eunice Hwy., Hobbs, NM 88240	Irrigation	32.6266	-103.1289	Not suitable for sampling based on status
L 01453 POD2	Active	Pearce		Irrigation	32.630246	-103.12891	Potential Sampling Candidate
L 01514	Inactive	Armendariz		Irrigation	32.628443	-103.128948	Not suitable for sampling based on status
L 01514 POD2	Inactive	Armendariz		Irrigation	32.627834	-103.128166	Not suitable for sampling based on status
L-01989	Active	C.w. Jobe		Irrigation	32.6376	-103.1439	Potential Sampling Candidate
L 01990	Active	Jobe		Irrigation	32.635704	-103.137505	Potential Sampling Candidate
L 02048	Active	Thames		Irrigation	32.630246	-103.12891	Potential Sampling Candidate
L 02048 POD2	Active	Bishop		Domestic	32.630246	-103.12891	Potential Sampling Candidate
L 02048 POD3	Active	Thames		Irrigation	32.630246	-103.12891	Potential Sampling Candidate
L 02048 POD4	Pending	Martinez		Irrigation	32.630246	-103.12891	Potential Sampling Candidate
L-02089	Active	J D Guye		Irrigation	32.6539	-103.1289	Potential Sampling Candidate
L-02689	Active	N L Bingham32.6539		Domestic	32.6539	-103.1289	Potential Sampling Candidate
L 02746	Plugged	Coroce Drilling Company	505 Dixie Blvd. Odessa, TX	Prospecting	32.649305	-103.132042	Not suitable for sampling based on status & use
L 03054	Plugged	Oscar Bourg	C/o O R Musslewhite Box 56 Hobbs, NM	Prospecting	32.645594	-103.119124	Not suitable for sampling based on status & use
L-03248	Active	Minnie Frances Stephens		Irrigation	32.6539	-103.1289	Potential Sampling Candidate
L-03433	Active	Leonard Smith		Domestic	32.6257	-103.13	Potential Sampling Candidate
L-03822	Pending	Cecil Reid		Domestic	32.6257	-103.13	Potential Sampling Candidate
L-03910	N/A	Patricia A Wasson		Domestic	32.6257	-103.13	Potential Sampling Candidate
L 03913	Active	Anna L Foster	Star Route A Hobbs, NM	Domestic	32.642993	-103.122462	Potential Sampling Candidate
L 04567	N/A	Ruth T. Furneaux	101 West Tycksen Farmington, NM	Irrigation	32.640255	-103.12996	Not suitable for sampling based on status
L 04833	Plugged	Cactus Drilling Corp Of Texas		Prospecting	32.640266	-103.142825	Not suitable for sampling based on status
L 05005	Active	Beatrice W Kingsley	Box 1601 Hobbs, NM 88240	Domestic	32.642964	-103.133197	May be suitable for testing
L 05789	Active	C W Jobe	1700 N Jefferson Street Hobbs, NM	Livestock Watering	32.637507	-103.133182	Sample collected 01-15-2025
L 06081	Active	Eldon Cranfill	% Frank Glasspoole Star Rt A Llano Grande Rd Hobbs, NM	Domestic	32.627516	-103.1321	Potential Sampling Candidate
L-06612	Active	Moran Oil Prod & Drilling Corp		Exploration	32.6357	-103.1139	Not suitable for sampling based on use
L 07968	Active	Pearce		Domestic	32.630246	-103.12891	Potential Sampling Candidate
L 08212	Capped	Kenai Oil & Gas Inc	C/o Corky Glenn Po Box 692 Tatum, NM 88267	Prospecting	32.639328	-103.124628	Not suitable for sampling based on status & use
L 08300	Capped	Kenai Drilling Oil & Gas Inc.	1001 Petroleum Bldg. Midland, TX 79701	Prospecting	32.636629	-103.129971	Not suitable for sampling based on status
L-08614	Active	Estate Of Millard Deck		Livestock Watering	32.6366	-103.1128	Potential Sampling Candidate
L 08855	Active	Jesse Johncox	Star Rt B, Box 1500 Hobbs, NM 88240	Domestic	32.637538	-103.131029	Potential Sampling Candidate
L 08855 POD2	Active	Jesse Johncox	Star Rt B, Box 1500 Hobbs, NM 88240	Domestic	32.637538	-103.131029	Potential Sampling Candidate
L 08871	Active	Nance		Domestic	32.630246	-103.12891	Potential Sampling Candidate
L-08890	Active	Arco Pipe Line Company		Domestic	32.6493	-103.1406	Potential Sampling Candidate
L 08992	Active	Murphy		Domestic	32.635704	-103.13322	Potential Sampling Candidate
L 09009	Active	Terry King	Po Box 5853 Hobbs, NM 88240	Domestic	32.630247	-103.133195	Potential Sampling Candidate
L 09038	Plugged	Terry Asel	Star Rt, Space 36 2500 E. Senger Hobbs, NM 88240	Domestic	32.630247	-103.133195	Not suitable for sampling based on status
L 09038 POD2	Active	Terry Asel	Star Rt, Space 36 2500 E. Senger Hobbs, NM 88240	Domestic	32.630247	-103.133195	Potential Sampling Candidate
L 09074	Active	Jerry Vann	200 W. Midwest Hobbs, NM 88240	Domestic	32.633913	-103.135325	Potential Sampling Candidate
L 09081	Active	Georgia Martin	408 E. Lea Hobbs, NM 88240	Domestic	32.633882	-103.133194	Potential Sampling Candidate
L 09114	Active	Darrell Caperton	1618 Starling Dr Hobbs, NM 88240	Domestic	32.637507	-103.133182	Potential Sampling Candidate
L 09164	Active	Carl Stegemoeller	615 N. Morland Hobbs, NM 88240	Domestic	32.630247	-103.133195	Potential Sampling Candidate
L 09205	Active	Marlene L. Blesch	6001 Gasper Hobbs, NM 88240	Domestic	32.635735	-103.135351	Potential Sampling Candidate
L 09208	Active	Gilbert		Domestic	32.637539	-103.135314	Potential Sampling Candidate
L-09302	Active	Ginger Stewart		Domestic	32.6294	-103.1386	Potential Sampling Candidate
L 09384	Pending	James Overton Stanford	920 East Michigan Hobbs, NM 88240	Domestic	32.635704	-103.137505	Potential Sampling Candidate
L 09481	Active	Gary Kennedy	117 Kim Lane Hobbs, NM 88240	Domestic	32.627516	-103.1321	Potential Sampling Candidate
L 09501	Active	Ray Carr	Box 5094 Hobbs, NM 88241	Domestic	32.630248	-103.13749	Potential Sampling Candidate
L 09573	Active	Anthony Garcia	113 E. Temple Hobbs, NM 88240	Domestic	32.637506	-103.128898	Potential Sampling Candidate

Water Well Sampling Table (cont'd)							
Water Well ID	OSE Status	Owner	Available Contact Information	Use	Latitude	Longitude	Notes
L 09591	Pending	Billy Haynes	1208 S. Linam Hobbs, NM 88240	Domestic	32.636631	-103.138541	Potential Sampling Candidate
L 09606	Active	Mariann Vann	5801 Gasper Hobbs, NM 88240	Domestic	32.63211	-103.135362	Potential Sampling Candidate
L 09620	Active	Jessie Johncox	Star Rt B, Box 1500 Hobbs, NM 88240	Exploration	32.637508	-103.137467	Not suitable for sampling based on use
L 09664	Active	Greg Chadwick	Po Box 5937 Hobbs, NM 88241	Domestic	32.636631	-103.138541	Potential Sampling Candidate
L 09702	Active	Epperson		Domestic	32.63663	-103.134256	Potential Sampling Candidate
L 09703	Active	Saxe		Domestic	32.63663	-103.134256	Potential Sampling Candidate
L 09707	Active	Burke Bigbie	1507 Catherine Dr. Hobbs, NM 88240	Domestic	32.636629	-103.129971	Potential Sampling Candidate
L 09773	Active	Gene Horn	Star Rt B, Box 1500 Hobbs, NM 88240	Domestic	32.633005	-103.134267	Potential Sampling Candidate
L 09776	Active	J. D. Norby	3909 N. Fowler Hobbs, NM 88240	Domestic	32.636631	-103.138541	Potential Sampling Candidate
L 09783	Active	Harshbarger		Domestic and Livestock Watering	32.634785	-103.132088	Potential Sampling Candidate
L 09825	Active	Ben Fisher	517 N. Coleman Hobbs, NM 88240	Domestic	32.633005	-103.134267	Potential Sampling Candidate
L 09868	Active	Henry		Domestic	32.636631	-103.138541	Potential Sampling Candidate
L 09995	Active	Gerald Mace	Po Box 1515 Hobbs, NM 88240	Domestic	32.632079	-103.137516	Potential Sampling Candidate
L 10070	Pending	Dale L. Hoopes	410 East Nadine Road Hobbs, NM 88240	Livestock Watering	32.627516	-103.1321	Potential Sampling Candidate
L 10130	Active	Dewayne Spears	6020 S. Bronco Dr. Hobbs, NM 88240	Domestic	32.633882	-103.137479	Potential Sampling Candidate
L 10132	Active	David Cowger	1020 Everglade Hobbs, NM 88240	Domestic	32.633882	-103.137479	Potential Sampling Candidate
L 10385	Active	Patton		Domestic	32.635704	-103.13322	Potential Sampling Candidate
L 10385 POD2	Active	Patton		Domestic	32.635704	-103.13322	Potential Sampling Candidate
L 10417	Active	Ken Whicker	6405 Broncho Drive Hobbs, NM 88240	Domestic	32.62937	-103.134268	Potential Sampling Candidate
L 10466	Active	Clara Wright	5018 Eunice Hwy Hobbs, NM 88240	Livestock Watering	32.642041	-103.114914	Sample collected 12-05-2024
L 10520	Active	Cline		Domestic	32.63663	-103.134256	Potential Sampling Candidate
L 10536	Active	Billy Hull	6021 S. Broncho Drive Hobbs, NM 88240	Domestic	32.636631	-103.138541	Potential Sampling Candidate
L 10548	Active	Shannon Stephens	5711 E. Gaspar Hobbs, NM 88240	Domestic	32.62937	-103.134268	Potential Sampling Candidate
L 10592	Active	Monty Ran"Domestic and Livestock Watering"ph	6215 Broncho Hobbs, NM 88240	Domestic	32.627516	-103.1321	Potential Sampling Candidate
L 10604	Active	Slate		Domestic	32.63663	-103.134256	Potential Sampling Candidate
L 10610	Active	Daniel Johncox	5706 Bronco Drive Hobbs, NM 88240	Livestock Watering	32.627516	-103.1321	Potential Sampling Candidate
L 10627	Active	Thomas Case	6203 S. Bronco Hobbs, NM 88240	Domestic	32.62937	-103.134268	Potential Sampling Candidate
L 10660	Active	Dorothy Province	Po Box 663 Hobbs, NM 88241	Domestic	32.634786	-103.140657	Potential Sampling Candidate
L 10730	Pending	Efrain Torres	6020 S. Gaspar Hobbs, NM 88240	Domestic	32.633005	-103.134267	Potential Sampling Candidate
L 10782	Active	Henry		Domestic	32.634785	-103.132088	Potential Sampling Candidate
L 10812	Active	Mary J. Ortega	6020 Don Gasper Hobbs, NM 88240	Domestic	32.627516	-103.1321	Potential Sampling Candidate
L-11127	Active	Reagent Chemical		Sanitation	32.6394	-103.1439	Not suitable for sampling based on use
L 11172	Active	Carolina Gracia	5818 Bronco Hobbs, NM 88240	Domestic	32.635704	-103.137505	Potential Sampling Candidate
L 11222	Active	David Smith	5726 Bronco Hobbs, NM 88240	Domestic	32.632079	-103.137516	Potential Sampling Candidate
L 11276	Active	Ted Ussery	5018 Eunice Hwy Hobbs, NM 88240	Domestic	32.644764	-103.120293	Potential Sampling Candidate
L 11301	Active	Katherine Mills	401 W. Monument Rd. Hobbs, NM 88240	Domestic	32.637539	-103.139599	Potential Sampling Candidate
L 11375	Pending	Domingo Marquez	6419 Eunice Hwy Hobbs, NM 88240	Domestic	32.630247	-103.133195	Potential Sampling Candidate
L 11384	Active	Denise Stelly	411 W. Monument Hwy Hobbs, NM 88240	Domestic	32.637507	-103.133182	Potential Sampling Candidate
L 11413	Active	Bryan Ussery	5018 S. Eunice Hwy Hobbs, NM 88240	Domestic	32.644795	-103.118139	Potential Sampling Candidate
L 11510	Active	Leo V. Sims, II	Po Box 2630 Hobbs, NM 88240	Livestock Watering	32.633005	-103.134267	Potential Sampling Candidate
L 11587	Active	Cindy Yearout	3929 S. Dalmont Hobbs, NM 88240	Domestic	32.648402	-103.137444	Potential Sampling Candidate
L 11820	Active	Pete Rodriquez	5818 S. Bronco Dr. Hobbs, NM 88240	Livestock Watering	32.635735	-103.135351	Potential Sampling Candidate
L 11850	Active	Israel Saenz	301 W. Monument Rd. Hobbs, NM 88240	Domestic	32.637508	-103.137467	Potential Sampling Candidate
L 12011 POD1	Active	Viola Fisher	6201 Gasper Hobbs, NM 88240	Domestic	32.632556	-103.134361	Potential Sampling Candidate
L-12308-POD1	Active	Ashley Energy Services		Sanitation	32.6269	-103.1265	Not suitable for sampling based on use
L 12381 POD1	Active	Corpus		Domestic	32.635833	-103.134333	Potential Sampling Candidate
L 12530 POD1	Active	Asel	P.o. Box Ss Carlsbad, NM 88221	Domestic	32.631805	-103.134334	Potential Sampling Candidate
L 12745 POD1	Active	Armendariz		Domestic	32.627834	-103.128166	Potential Sampling Candidate
L 12816 POD1	Active	Hernandez		Domestic	32.630972	-103.128695	Potential Sampling Candidate
L-12880-POD1	Active	Joe Luker		Domestic	32.6255	-103.13	Potential Sampling Candidate
L 13006 POD1	Active	Schubert Construction		Sanitation	32.630944	-103.11925	Not suitable for sampling based on use
L 13138 POD1	Active	Mayes		Domestic	32.636861	-103.127806	Potential Sampling Candidate
L 13975 POD1	Active	Rodriguez		Domestic	32.636389	-103.133055	Potential Sampling Candidate
L 14246 POD1	Active	Pinon		Domestic	32.636944	-103.134444	Potential Sampling Candidate

Water Well Sampling Table (cont'd)							
Water Well ID	OSE Status	Owner	Available Contact Information	Use	Latitude	Longitude	Notes
L 14353 POD1	Active	Giesbrecht		Sanitation	32.6372	-103.128884	Not suitable for sampling based on use
L 14578 POD1	Pending	Eleuterio A Jurado Camacho	6232 S Gasper Street Hobbs, NM 88240	Domestic and Livestock Watering	32.631864	-103.132636	Potential Sampling Candidate
L 14658 POD1	Active	Estate Of Mary Lou Welms	Po Box 393 Hobbs, NM 88241	Domestic	32.631084	-103.132389	Potential Sampling Candidate
L-14938-POD1	Active	Andy L Hill		Domestic and Livestock Watering	32.6257	-103.1237	Potential Sampling Candidate
L 15214 POD1	Active	Michael Boehm	5727 S Bronco Dr Hobbs, NM 88240	Domestic	32.637359	-103.137825	Potential Sampling Candidate
L-15387-POD1	Active	Derek Nelson		Domestic	32.625	-103.1296	Potential Sampling Candidate

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 30, 2025

CHAD GALLAGHER

ARIS WATER SOLUTIONS

9811 KATY FWY

HOUSTON, TX 77024

RE: MC NEIL SWD

Enclosed are the results of analyses for samples received by the laboratory on 01/15/25 15:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024Project: MC NEIL SWD
Project Number: 1/9/25
Project Manager: CHAD GALLAGHER
Fax To: NAReported:
30-Jan-25 12:46

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
L1 L - 04568	H250219-01	Water	15-Jan-25 11:20	15-Jan-25 15:51
L4 L - 01989	H250219-02	Water	15-Jan-25 10:30	15-Jan-25 15:51
L6 / L7 L - 05789	H250219-03	Water	15-Jan-25 12:00	15-Jan-25 15:51

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: 1/9/25
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
30-Jan-25 12:46

L1 L - 04568
H250219-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Alkalinity, Bicarbonate	244		5.00	mg/L	1	5011511	CT	17-Jan-25	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	5011511	CT	17-Jan-25	310.1	
Chloride*	56.0		4.00	mg/L	1	5011902	AC	20-Jan-25	4500-Cl-B	
Conductivity*	712		1.00	umhos/cm @ 25°C	1	5011615	CT	16-Jan-25	120.1	
pH*	6.92		0.100	pH Units	1	5011615	CT	16-Jan-25	150.1	PH-HT
Temperature °C	21.1			pH Units	1	5011615	CT	16-Jan-25	150.1	PH-HT
Resistivity	14.0			Ohms/m	1	5011615	CT	16-Jan-25	120.1	
Sulfate*	92.6		25.0	mg/L	2.5	5011740	CT	20-Jan-25	375.4	
TDS*	429		5.00	mg/L	1	5011635	CT	20-Jan-25	160.1	
Alkalinity, Total*	200		4.00	mg/L	1	5011511	CT	17-Jan-25	310.1	
TSS*	<2.00		2.00	mg/L	1	5011658	CT	20-Jan-25	160.2	

Green Analytical Laboratories**Total Recoverable Metals by ICP (E200.7)**

Barium*	<0.250		0.250	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Calcium*	71.8		1.00	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Hardness as CaCO3	236		4.56	mg/L	5	[CALC]	AWG	28-Jan-25	2340 B	
Iron*	<0.250		0.250	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Magnesium*	13.7		0.500	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Potassium*	<5.00		5.00	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Sodium*	65.8		5.00	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Strontium*	0.611		0.500	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: 1/9/25
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
30-Jan-25 12:46

L4 L - 01989
H250219-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Alkalinity, Bicarbonate	215		5.00	mg/L	1	5011511	CT	17-Jan-25	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	5011511	CT	17-Jan-25	310.1	
Chloride*	72.0		4.00	mg/L	1	5011902	AC	20-Jan-25	4500-Cl-B	
Conductivity*	788		1.00	umhos/cm @ 25°C	1	5011615	CT	16-Jan-25	120.1	
pH*	7.05		0.100	pH Units	1	5011615	CT	16-Jan-25	150.1	PH-HT
Temperature °C	20.8			pH Units	1	5011615	CT	16-Jan-25	150.1	PH-HT
Resistivity	12.7			Ohms/m	1	5011615	CT	16-Jan-25	120.1	
Sulfate*	154		25.0	mg/L	2.5	5011740	CT	20-Jan-25	375.4	
TDS*	496		5.00	mg/L	1	5011635	CT	20-Jan-25	160.1	
Alkalinity, Total*	176		4.00	mg/L	1	5011511	CT	17-Jan-25	310.1	
TSS*	36.3		2.00	mg/L	1	5011658	CT	20-Jan-25	160.2	

Green Analytical Laboratories**Total Recoverable Metals by ICP (E200.7)**

Barium*	<0.250		0.250	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Calcium*	67.2		1.00	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Hardness as CaCO3	231		4.56	mg/L	5	[CALC]	AWG	28-Jan-25	2340 B	
Iron*	0.537		0.250	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Magnesium*	15.3		0.500	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Potassium*	<5.00		5.00	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Sodium*	83.1		5.00	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	
Strontium*	0.704		0.500	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: 1/9/25
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
30-Jan-25 12:46

L6 / L7 L - 05789**H250219-03 (Water)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Alkalinity, Bicarbonate	224		5.00	mg/L	1	5011511	CT	17-Jan-25	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	5011511	CT	17-Jan-25	310.1	
Chloride*	100		4.00	mg/L	1	5011902	AC	20-Jan-25	4500-Cl-B	
Conductivity*	861		1.00	umhos/cm @ 25°C	1	5011615	CT	16-Jan-25	120.1	
pH*	6.90		0.100	pH Units	1	5011615	CT	16-Jan-25	150.1	PH-HT
Temperature °C	20.4			pH Units	1	5011615	CT	16-Jan-25	150.1	PH-HT
Resistivity	11.6			Ohms/m	1	5011615	CT	16-Jan-25	120.1	
Sulfate*	171		25.0	mg/L	2.5	5011740	CT	20-Jan-25	375.4	
TDS*	546		5.00	mg/L	1	5011635	CT	20-Jan-25	160.1	
Alkalinity, Total*	184		4.00	mg/L	1	5011511	CT	17-Jan-25	310.1	
TSS*	<2.00		2.00	mg/L	1	5011658	CT	20-Jan-25	160.2	

Green Analytical Laboratories**Total Recoverable Metals by ICP (E200.7)**

Barium*	<0.250	0.250	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7
Calcium*	82.0	1.00	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7
Hardness as CaCO3	285	4.56	mg/L	5	[CALC]	AWG	28-Jan-25	2340 B
Iron*	<0.250	0.250	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7
Magnesium*	19.5	0.500	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7
Potassium*	<5.00	5.00	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7
Sodium*	72.4	5.00	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7
Strontium*	0.910	0.500	mg/L	5	B250208	AWG	28-Jan-25	EPA 200.7

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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: 1/9/25
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
30-Jan-25 12:46

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5011511 - General Prep - Wet Chem**Blank (5011511-BLK1)**

Prepared & Analyzed: 15-Jan-25

Alkalinity, Carbonate	ND	1.00	mg/L							
Alkalinity, Bicarbonate	5.00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							

LCS (5011511-BS1)

Prepared & Analyzed: 15-Jan-25

Alkalinity, Carbonate	ND	2.50	mg/L				80-120			
Alkalinity, Bicarbonate	318	12.5	mg/L				80-120			
Alkalinity, Total	260	10.0	mg/L	250		104	80-120			

LCS Dup (5011511-BSD1)

Prepared & Analyzed: 15-Jan-25

Alkalinity, Carbonate	ND	2.50	mg/L				80-120		20	
Alkalinity, Bicarbonate	305	12.5	mg/L				80-120	4.02	20	
Alkalinity, Total	250	10.0	mg/L	250		100	80-120	3.92	20	

Batch 5011615 - General Prep - Wet Chem**LCS (5011615-BS1)**

Prepared & Analyzed: 16-Jan-25

Conductivity	480		uS/cm	500		96.0	80-120			
pH	7.11		pH Units	7.00		102	90-110			

Duplicate (5011615-DUP1)

Source: H250219-01

Prepared & Analyzed: 16-Jan-25

pH	6.94	0.100	pH Units		6.92			0.289	20	
Conductivity	704	1.00	umhos/cm @ 25°C		712			1.13	20	
Resistivity	14.2		Ohms/m		14.0			1.13	20	
Temperature °C	21.0		pH Units		21.1			0.475	200	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: 1/9/25
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
30-Jan-25 12:46

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5011635 - Filtration**Blank (5011635-BLK1)**

Prepared: 16-Jan-25 Analyzed: 20-Jan-25

TDS	ND	5.00	mg/L							
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LCS (5011635-BS1)

Prepared: 16-Jan-25 Analyzed: 20-Jan-25

TDS	910		mg/L	1000		91.0	80-120			
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Duplicate (5011635-DUP1)

Source: H250219-02

Prepared: 16-Jan-25 Analyzed: 20-Jan-25

TDS	465	5.00	mg/L		496			6.45	20	
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Batch 5011658 - Filtration**Blank (5011658-BLK1)**

Prepared: 16-Jan-25 Analyzed: 21-Jan-25

TSS	ND	2.00	mg/L							
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LCS (5011658-BS1)

Prepared: 16-Jan-25 Analyzed: 21-Jan-25

TSS	9.00		mg/L	10.0		90.0	80-120			
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Duplicate (5011658-DUP1)

Source: H250189-02

Prepared: 16-Jan-25 Analyzed: 21-Jan-25

TSS	3.40	2.00	mg/L		3.00			12.5	52.7	
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Batch 5011740 - General Prep - Wet Chem**Blank (5011740-BLK1)**

Prepared: 17-Jan-25 Analyzed: 20-Jan-25

Sulfate	ND	10.0	mg/L							
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LCS (5011740-BS1)

Prepared: 17-Jan-25 Analyzed: 20-Jan-25

Sulfate	20.9	10.0	mg/L	20.0		105	80-120			
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: 1/9/25
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
30-Jan-25 12:46

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5011740 - General Prep - Wet Chem**LCS Dup (5011740-BSD1)**

Prepared: 17-Jan-25 Analyzed: 20-Jan-25

Sulfate	21.3	10.0	mg/L	20.0		106	80-120	1.85	20	
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Batch 5011902 - General Prep - Wet Chem**Blank (5011902-BLK1)**

Prepared: 19-Jan-25 Analyzed: 20-Jan-25

Chloride	ND	4.00	mg/L							
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LCS (5011902-BS1)

Prepared: 19-Jan-25 Analyzed: 20-Jan-25

Chloride	108	4.00	mg/L	100		108	80-120			
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LCS Dup (5011902-BSD1)

Prepared: 19-Jan-25 Analyzed: 20-Jan-25

Chloride	112	4.00	mg/L	100		112	80-120	3.64	20	
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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: 1/9/25
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
30-Jan-25 12:46

Total Recoverable Metals by ICP (E200.7) - Quality Control**Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B250208 - Total Recoverable by ICP**Blank (B250208-BLK1)**

Prepared: 27-Jan-25 Analyzed: 28-Jan-25

Strontium	ND	0.100	mg/L							
Potassium	ND	1.00	mg/L							
Iron	ND	0.050	mg/L							
Barium	ND	0.050	mg/L							
Sodium	ND	1.00	mg/L							
Magnesium	ND	0.100	mg/L							
Calcium	ND	0.200	mg/L							

LCS (B250208-BS1)

Prepared: 27-Jan-25 Analyzed: 28-Jan-25

Potassium	4.26	1.00	mg/L	4.00		107	85-115			
Strontium	2.05	0.100	mg/L	2.00		102	85-115			
Sodium	1.82	1.00	mg/L	1.62		112	85-115			
Magnesium	10.5	0.100	mg/L	10.0		105	85-115			
Barium	1.03	0.050	mg/L	1.00		103	85-115			
Iron	2.12	0.050	mg/L	2.00		106	85-115			
Calcium	2.10	0.200	mg/L	2.00		105	85-115			

LCS Dup (B250208-BSD1)

Prepared: 27-Jan-25 Analyzed: 28-Jan-25

Magnesium	10.6	0.100	mg/L	10.0		106	85-115	0.114	20	
Potassium	4.19	1.00	mg/L	4.00		105	85-115	1.80	20	
Barium	1.02	0.050	mg/L	1.00		102	85-115	1.34	20	
Calcium	2.07	0.200	mg/L	2.00		104	85-115	1.02	20	
Sodium	1.76	1.00	mg/L	1.62		109	85-115	3.53	20	
Strontium	2.01	0.100	mg/L	2.00		101	85-115	1.59	20	
Iron	2.08	0.050	mg/L	2.00		104	85-115	1.85	20	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

PH-HT	Analyzed outside the EPA recommended hold time of 15 minutes.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ALLS WATER		BILL TO		ANALYSIS REQUEST															
Project Manager: CHAD GALLAGHER		P.O. #:																	
Address: 3305 BOYD DRIVE		Company: SEA ARIS																	
City: CARLSBAD		Attn: CHAD GALLAGHER																	
State: NM Zip: 88220		Address: 3305 BOYD DR																	
Phone #: (575) 444-9786 Fax #:		City: CHILSBAD																	
Project #: 119125 Project Owner: ACE ENVIRAL		State: NM Zip: 88220																	
Project Location: HOBBS		Phone #: (575) 444-9786																	
Sample Name: CHAD GALLAGHER		Fax #:																	
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING											
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :								
1	L1 L-04568																		
2	L4 L-01989-01989																		
3	L6 L7 L-05789																		
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																			
Relinquished By: Chad Gallagher		Date: 11-15-25		Received By: Speed Riquery		Date: 11-15-25													
Relinquished By: Chad Gallagher		Time: 1551		Received By: Speed Riquery		Time: 1115													
Delivered By: (Circle One)		Observed Temp. °C: 17.4		Sample Condition		CHECKED BY: SR													
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 14.8		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials)													
Turnaround Time: Standard		Thermometer ID #140		Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Sample Condition													
Correction Factor -0.6°C		Corrected Temp. °C		Observed Temp. °C		Corrected Temp. °C													
<p>REMARKS: customer aware that we will receive a log on this report for samples being not. + NO ice - Speed Riquery 11-15-25</p>																			

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 17, 2024

CHAD GALLAGHER

ARIS WATER SOLUTIONS

9811 KATY FWY

HOUSTON, TX 77024

RE: MC NEIL SWD

Enclosed are the results of analyses for samples received by the laboratory on 12/05/24 14:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER
Fax To: NAReported:
17-Dec-24 12:13

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
L - 01372	H247409-01	Water	05-Dec-24 00:00	05-Dec-24 14:41
L - 10466	H247409-02	Water	05-Dec-24 00:00	05-Dec-24 14:41
L - 08446	H247409-03	Water	05-Dec-24 00:00	05-Dec-24 14:41

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
17-Dec-24 12:13

L - 01372**H247409-01 (Water)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Alkalinity, Bicarbonate	244		5.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Chloride*	64.0		4.00	mg/L	1	4120519	CT	05-Dec-24	4500-Cl-B	
Conductivity*	784		1.00	umhos/cm @ 25°C	1	4120521	AC	05-Dec-24	120.1	
pH*	6.64		0.100	pH Units	1	4120510	AC	05-Dec-24	150.1	
Temperature °C	19.6			pH Units	1	4120510	AC	05-Dec-24	150.1	
Resistivity	12.8			Ohms/m	1	4120521	AC	05-Dec-24	120.1	
Sulfate*	107		25.0	mg/L	2.5	4120614	HM	06-Dec-24	375.4	
TDS*	520		5.00	mg/L	1	4120515	HM	06-Dec-24	160.1	
Alkalinity, Total*	200		4.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
TSS*	<2.00		2.00	mg/L	1	4120522	AC	06-Dec-24	160.2	

Green Analytical Laboratories**Total Recoverable Metals by ICP (E200.7)**

Barium*	0.046	0.008	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	J
Calcium*	79.6	0.115	0.200	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Hardness as CaCO3	256		0.911	mg/L	1	[CALC]	AWG	12-Dec-24	2340 B	
Iron*	0.037	0.026	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	J
Magnesium*	14.0	0.038	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Potassium*	2.98	0.106	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Sodium*	63.8	0.254	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Strontium*	0.809	0.014	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
17-Dec-24 12:13

L - 10466**H247409-02 (Water)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Alkalinity, Bicarbonate	210		5.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Chloride*	56.0		4.00	mg/L	1	4120519	CT	05-Dec-24	4500-Cl-B	
Conductivity*	627		1.00	umhos/cm @ 25°C	1	4120521	AC	05-Dec-24	120.1	
pH*	6.82		0.100	pH Units	1	4120510	AC	05-Dec-24	150.1	
Temperature °C	19.4			pH Units	1	4120510	AC	05-Dec-24	150.1	
Resistivity	15.9			Ohms/m	1	4120521	AC	05-Dec-24	120.1	
Sulfate*	95.8		25.0	mg/L	2.5	4120614	HM	06-Dec-24	375.4	
TDS*	430		5.00	mg/L	1	4120515	HM	06-Dec-24	160.1	
Alkalinity, Total*	172		4.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
TSS*	<2.00		2.00	mg/L	1	4120522	AC	06-Dec-24	160.2	

Green Analytical Laboratories**Total Recoverable Metals by ICP (E200.7)**

Barium*	0.035	0.008	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	J
Calcium*	56.0	0.115	0.200	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Hardness as CaCO3	200		0.911	mg/L	1	[CALC]	AWG	12-Dec-24	2340 B	
Iron*	0.046	0.026	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	J
Magnesium*	14.7	0.038	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Potassium*	2.48	0.106	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Sodium*	51.9	0.254	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Strontium*	0.711	0.014	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	

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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
17-Dec-24 12:13

L - 08446
H247409-03 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Alkalinity, Bicarbonate	234		5.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Chloride*	60.0		4.00	mg/L	1	4120519	CT	05-Dec-24	4500-Cl-B	
Conductivity*	707		1.00	umhos/cm @ 25°C	1	4120521	AC	05-Dec-24	120.1	
pH*	6.70		0.100	pH Units	1	4120510	AC	05-Dec-24	150.1	
Temperature °C	19.4			pH Units	1	4120510	AC	05-Dec-24	150.1	
Resistivity	14.1			Ohms/m	1	4120521	AC	05-Dec-24	120.1	
Sulfate*	84.8		25.0	mg/L	2.5	4120614	HM	06-Dec-24	375.4	
TDS*	482		5.00	mg/L	1	4120515	HM	09-Dec-24	160.1	
Alkalinity, Total*	192		4.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
TSS*	<2.00		2.00	mg/L	1	4120522	AC	06-Dec-24	160.2	

Green Analytical Laboratories**Total Recoverable Metals by ICP (E200.7)**

Barium*	0.041	0.008	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	J
Calcium*	64.8	0.115	0.200	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Hardness as CaCO3	213		0.911	mg/L	1	[CALC]	AWG	12-Dec-24	2340 B	
Iron*	<0.026	0.026	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Magnesium*	12.4	0.038	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Potassium*	2.04	0.106	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Sodium*	63.2	0.254	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Strontium*	0.652	0.014	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
17-Dec-24 12:13

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4120510 - General Prep - Wet Chem**LCS (4120510-BS1)**

Prepared & Analyzed: 05-Dec-24

pH	6.88		pH Units	7.00		98.3	90-110			
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Duplicate (4120510-DUP1)

Source: H247397-01

Prepared & Analyzed: 05-Dec-24

pH	7.19	0.100	pH Units	7.15		0.558	20			
Temperature °C	20.4		pH Units	20.4		0.00	200			

Batch 4120515 - Filtration**Blank (4120515-BLK1)**

Prepared: 10-Dec-24 Analyzed: 11-Dec-24

TDS	ND	5.00	mg/L							
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LCS (4120515-BS1)

Prepared: 05-Dec-24 Analyzed: 06-Dec-24

TDS	804		mg/L	1000		80.4	80-120			
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Duplicate (4120515-DUP1)

Source: H247395-01

Prepared: 06-Dec-24 Analyzed: 09-Dec-24

TDS	1280	5.00	mg/L	1250		2.76	20			
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Batch 4120519 - General Prep - Wet Chem**Blank (4120519-BLK1)**

Prepared & Analyzed: 05-Dec-24

Chloride	ND	4.00	mg/L							
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LCS (4120519-BS1)

Prepared & Analyzed: 05-Dec-24

Chloride	116	4.00	mg/L	100		116	80-120			
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LCS Dup (4120519-BSD1)

Prepared & Analyzed: 05-Dec-24

Chloride	112	4.00	mg/L	100		112	80-120	3.51	20	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
17-Dec-24 12:13

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4120521 - General Prep - Wet Chem**LCS (4120521-BS1)**

Prepared & Analyzed: 05-Dec-24

Conductivity	473		uS/cm	500		94.6	80-120			
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Duplicate (4120521-DUP1)

Source: H247409-01

Prepared & Analyzed: 05-Dec-24

Conductivity	788	1.00	umhos/cm @ 25°C		784			0.509	20	
Resistivity	12.7		Ohms/m		12.8			0.509	20	

Batch 4120522 - Filtration**Blank (4120522-BLK1)**

Prepared: 05-Dec-24 Analyzed: 06-Dec-24

TSS	ND	2.00	mg/L							
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LCS (4120522-BS1)

Prepared: 05-Dec-24 Analyzed: 06-Dec-24

TSS	96.0		mg/L	100		96.0	80-120			
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Duplicate (4120522-DUP1)

Source: H247340-04

Prepared: 05-Dec-24 Analyzed: 06-Dec-24

TSS	5.00	2.00	mg/L		5.40			7.69	52.7	
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Batch 4120601 - General Prep - Wet Chem**Blank (4120601-BLK1)**

Prepared & Analyzed: 06-Dec-24

Alkalinity, Carbonate	ND	1.00	mg/L							
Alkalinity, Bicarbonate	5.00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							

LCS (4120601-BS1)

Prepared & Analyzed: 06-Dec-24

Alkalinity, Carbonate	ND	2.50	mg/L				80-120			
Alkalinity, Bicarbonate	318	12.5	mg/L				80-120			
Alkalinity, Total	260	10.0	mg/L	250		104	80-120			

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
17-Dec-24 12:13

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 4120601 - General Prep - Wet Chem**LCS Dup (4120601-BSD1)**

Prepared & Analyzed: 06-Dec-24

Alkalinity, Carbonate	ND	2.50	mg/L				80-120		20	
Alkalinity, Bicarbonate	330	12.5	mg/L				80-120	3.86	20	
Alkalinity, Total	270	10.0	mg/L	250		108	80-120	3.77	20	

Batch 4120614 - General Prep - Wet Chem**Blank (4120614-BLK1)**

Prepared & Analyzed: 06-Dec-24

Sulfate	ND	10.0	mg/L							
---------	----	------	------	--	--	--	--	--	--	--

LCS (4120614-BS1)

Prepared & Analyzed: 06-Dec-24

Sulfate	16.1	10.0	mg/L	20.0		80.4	80-120			
---------	------	------	------	------	--	------	--------	--	--	--

LCS Dup (4120614-BSD1)

Prepared & Analyzed: 06-Dec-24

Sulfate	16.5	10.0	mg/L	20.0		82.6	80-120	2.76	20	
---------	------	------	------	------	--	------	--------	------	----	--

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON TX, 77024

Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER
Fax To: NA

Reported:
17-Dec-24 12:13

Total Recoverable Metals by ICP (E200.7) - Quality Control**Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B243628 - Total Recoverable by ICP**Blank (B243628-BLK1)**

Prepared: 11-Dec-24 Analyzed: 12-Dec-24

Magnesium	ND	0.100	mg/L							
Barium	ND	0.050	mg/L							
Strontium	ND	0.100	mg/L							
Calcium	ND	0.200	mg/L							
Sodium	ND	1.00	mg/L							
Iron	ND	0.050	mg/L							
Potassium	ND	1.00	mg/L							

LCS (B243628-BS1)

Prepared: 11-Dec-24 Analyzed: 12-Dec-24

Strontium	1.95	0.100	mg/L	2.00		97.6	85-115			
Sodium	1.60	1.00	mg/L	1.62		99.1	85-115			
Potassium	3.95	1.00	mg/L	4.00		98.9	85-115			
Magnesium	10.0	0.100	mg/L	10.0		100	85-115			
Iron	2.00	0.050	mg/L	2.00		100	85-115			
Calcium	1.97	0.200	mg/L	2.00		98.6	85-115			
Barium	0.972	0.050	mg/L	1.00		97.2	85-115			

LCS Dup (B243628-BSD1)

Prepared: 11-Dec-24 Analyzed: 12-Dec-24

Magnesium	10.1	0.100	mg/L	10.0		101	85-115	1.10	20	
Strontium	1.95	0.100	mg/L	2.00		97.5	85-115	0.0861	20	
Potassium	3.98	1.00	mg/L	4.00		99.6	85-115	0.722	20	
Calcium	1.98	0.200	mg/L	2.00		99.0	85-115	0.389	20	
Sodium	1.61	1.00	mg/L	1.62		99.2	85-115	0.151	20	
Barium	0.976	0.050	mg/L	1.00		97.6	85-115	0.376	20	
Iron	2.01	0.050	mg/L	2.00		100	85-115	0.193	20	

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Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, reading "Coley D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ARLIS WATER (SOUTHERN)						P.O. #:		BILL TO							
Project Manager: CHAD GALLAGHER								ANALYSIS REQUEST							
Address: 3305 BOYD DR															
City: CHARLESTON															
State: NM Zip: 88220															
Phone #: (575) 444-9786 Fax #:															
Project #: HETTER SUD Project Owner: ARLIS															
Project Name: MCNEIL SUD															
Project Location: HOBBS															
Sample Name:						Fax #:									
FOR LAB USE ONLY															
Lab I.D.						(G)RAB OR (C)OMP.									
Sample I.D.						# CONTAINERS									
H247409						GROUNDWATER									
1 L - 01372						WASTEWATER									
3 L - 10466						SOIL									
3 L - 08446						OIL									
						SLUDGE									
						OTHER :									
						ACID/BASE:									
						ICE / COOL									
						OTHER :									
						DATE									
						TIME									
						TOTAL METALS - Ba Sr *									
						CATIONS									
						ANIONS									
						RESISTIVITY									
						TSS									
						TDS									

Attachment 6



NM Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

**Re: Geology Statement
Solaris Water Midstream,
LLC MD NM L6 S22 SWD #1
Section 22, T. 19S, R. 38E Lea
County, New Mexico**

To whom it may concern:

Publicly available geologic and engineering data related to the proposed well have been thoroughly reviewed, and no evidence for open faults or any other hydrologic connection between the proposed Delaware Mountain Group injection zone and any underground sources of drinking water have been found.

Sincerely,

A handwritten signature in black ink that reads "Patrick Ryan". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Patrick Ryan
Sr. Geologist

Attachment 7

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

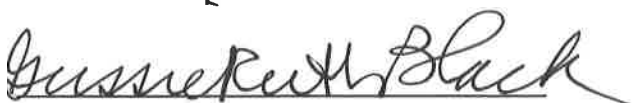
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
October 16, 2025
and ending with the issue dated
October 16, 2025.



Publisher

Sworn and subscribed to before me this
16th day of October 2025.



Business Manager

My commission expires
January 29, 2027

(Seal) STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

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.

LEGAL NOTICE
October 16, 2025

Solaris Water Midstream, LLC, 907 Tradewinds Blvd, Midland, TX 79706, (OGRID# 371643), is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for commercial saltwater injection into its MD NM L6 S22 SWD #1. This will be a new well located 327' FSL & 358' FEL in Section 22 Township 19S Range 38E in Lea County, NM, which is approximately 3.9 miles South of Hobbs, NM. The purpose of the well is to inject produced water from permitted oil and gas wells in the area for commercial disposal into the San Andres & Glorieta formation at depths of 4,225' - 5,801' at a maximum surface injection pressure of 845 psi and a maximum injection rate of 25,000 barrels of water per day.

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr. Additional information may be obtained by contacting the operator contact, Nate Alleman, at (918) 237-0559 or info@aceadvisors.com.
#00305254

67117907

00305254

NATE ALLEMAN
ACE ENERGY ADVISORS
501 E. FRANK PHILLIPS BLVD.
SUITE 201
BARTLESVILLE, OK 74006

Statement of Affected Person Notification

A copy of the C-108 application has been provided to the following Affected Persons as notification of the subject Application for Authorization to Inject (C-108).

Entity Name	Entity Address	Mailing Date
Site Surface Owner		
Solaris Water Midstream LLC	9651 Katy Fwy Ste 400 Houston, TX 77024-1590	10/31/2025
OCD District Office		
OCD – District 1	1625 N. French Drive Hobbs, NM 88240	10/31/2025
Applicable Mineral Owners		
None	N/A	10/31/2025
Leaseholders within 0.5-Mile AOR		
Oxy	PO Box 4294 Houston, TX 772104	10/31/2025
Riley Exploration	2008 N Council Blanchard, OK 73010	10/31/2025
J H Hendrix	PO Box 6040 Midland, TX 79702	10/31/2025
Robertson Resources	454 La Serena Loop Horseshoe Bay, TX 78657	10/31/2025
Gladstone Resources	1285 Avenue of the Americas 35th Floor New York, NY 10019	10/31/2025
Texas Southern Standard Oil	PO Box 2071 Midland, TX 79702	10/31/2025
J R Oil Ltd. Co.	P.O. Box 53657 Lubbock, TX 79453	10/31/2025
Southwest Royalties Inc.	200 N Loraine St Ste 400 Midland, Tx 79701	10/31/2025
Well Operators within AOR		
J R Oil Ltd. Co.	P.O. Box 53657 Lubbock, TX 79453	10/31/2025
Southwest Royalties Inc.	200 N Loraine St Ste 400 Midland, Tx 79701	10/31/2025

Nathan Alleman
Ace Energy Advisors
501 Se Fph Blvd Ste 201
BARTLESVILLE OK 74003-3931



Place label at top of the center of the envelope and fold at dotted line.

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Solaris Water Midstream LLC
9651 Katy Fwy Ste 400
Houston TX 77024-1590

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OCD - DISTRICT 1
1625 N French Dr
Hobbs NM 88240-9273

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Riley Exploration Op Co., LLC
2008 N Council Ave
Blanchard OK 73010-8038

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J H Hendrix
PO Box 6040
Midland TX 79704-6040

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Robertson Resources
454 La Serena Loop
Horseshoe Bay TX 78657-6100

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Gladstone Resources
1285 Avenue of the Americas Fl 35
New York NY 10019-6028

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Texas Southern Standard Oil
PO Box 2071
Midland TX 79702-2071

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J R Oil Ltd. Co.
Po Box 53657
Lubbock TX 79453-3657

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SouthWest Royalties Inc.
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Midland TX 79701-4735

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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 526619

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 526619
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
stacy.sandoval	None	12/5/2025