

AE Order Number Banner

Application Number: pSYS2533956742

Initial Application Part I

SWD-2683

SOLARIS WATER MIDSTREAM, LLC [371643]

Received: 11/14/2025



October 31, 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 L7 S23 SWD #1

OCD Director,

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 L7 S23 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 Formations 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 L7 S23 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

Nathan Alleman

Signature

10/31/2025

Date

918-237-0559

Phone Number

nate.alleman@aceadvisors.com


e-mail Address

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 L7 S23 SWD #1
 Legal Location: 1,961' FNL & 545' FEL - Unit H – Section 23 T19S R38E – Lea County
 Coordinates: 32.64764415, -103.11235514

- (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	1,686	1,497	0	Circulation
Production	12-1/4	9-5/8	5,855	1,640	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 4,175'

- (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 4,175'

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 4,275' - 5,855'

- (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 (2,819')
- Seven Rivers (3,063')

Underlying Oil and Gas Zones:

- Yeso/Paddock (6,041')
- Abo (7,223')

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-mile and 2.0-Mile Well Map
- 0.5-Mile Well List
- 0.5-Mile and 2-Mile Lease Map
- 1.0-Mile Surface Ownership Map
- 1.0-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-mile AOR are included in **Attachment 2**. Six wells within the 0.5-mile 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: 855 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 4,275 and 5,855 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 1,661 feet below ground level. The total thickness separating the lowermost USDW and the upper injection interval is anticipated to be approximately 2,614 feet. Water wells in the area for domestic/livestock use are drilled to a depth of approximately 95' - 180'.

Upper confinement is provided by the overlying Artesia Group. At the subject well, the Artesia Group is expected to be 1,456 feet thick. In the project area, the Queen Formation will be a strong barrier to flow as it is approximately 636 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 1,020 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 clean up 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 19 groundwater wells located within the Subject SWD's 1-mile water well sampling radius. Of these, 16 water wells have been determined to be potential sampling candidates. One well has been sampled and efforts are ongoing to contact the respective water well owners to obtain permission for another water sample collection and analysis.

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 results of the analysis from one well sample. Attempts to contact the water well owners will continue, and if another water well sample is able to be collected, an updated summary table and a copy of the associated laboratory report will be submitted to OCD.

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 USDW, identified as the top of the first anhydrite, was determined to occur at the top of the Rustler formation at a depth of 1,661'.

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 L7 S23 SWD	Well Number #1
OGRID No. 371643	Operator Name SOLARIS WATER MIDSTREAM, LLC	Ground Level Elevation 3599'
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 H	Section 23	Township 19-S	Range 38-E	Lot	Ft. from N/S 1,961 FNL	Ft. from E/W 545 FEL	Latitude 32.64764415° N	Longitude 103.11235514° 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.

 10/31/2025
 Signature Date

Nathan Alleman


Printed Name

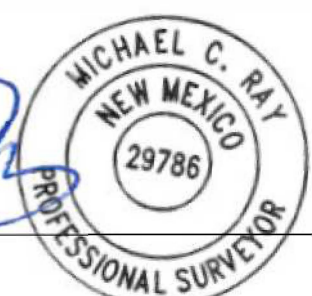
nate.alleman@aceadvisors.com

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

24876

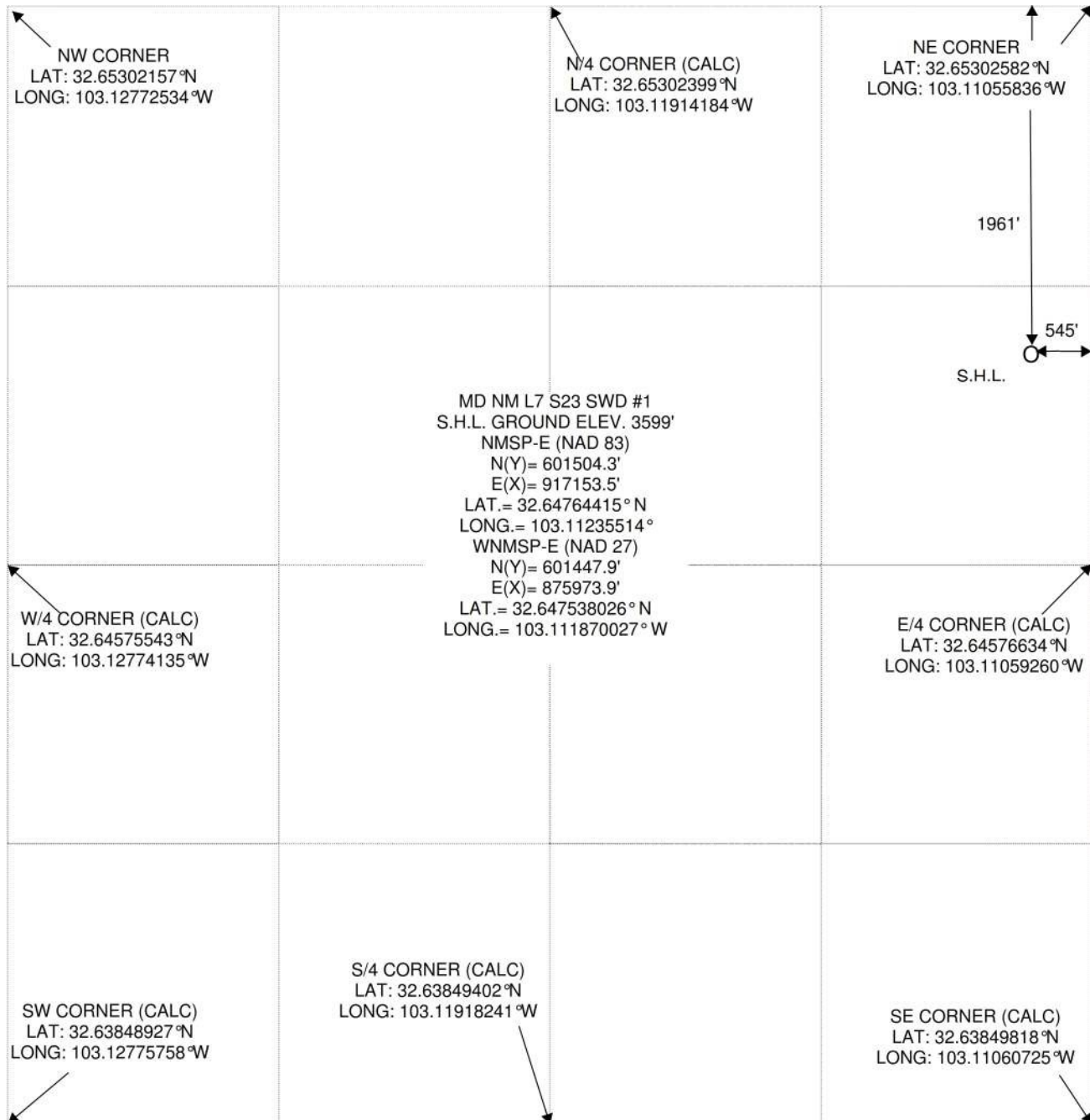
Date of Survey

9-25-2025, REV. 9-29-2025

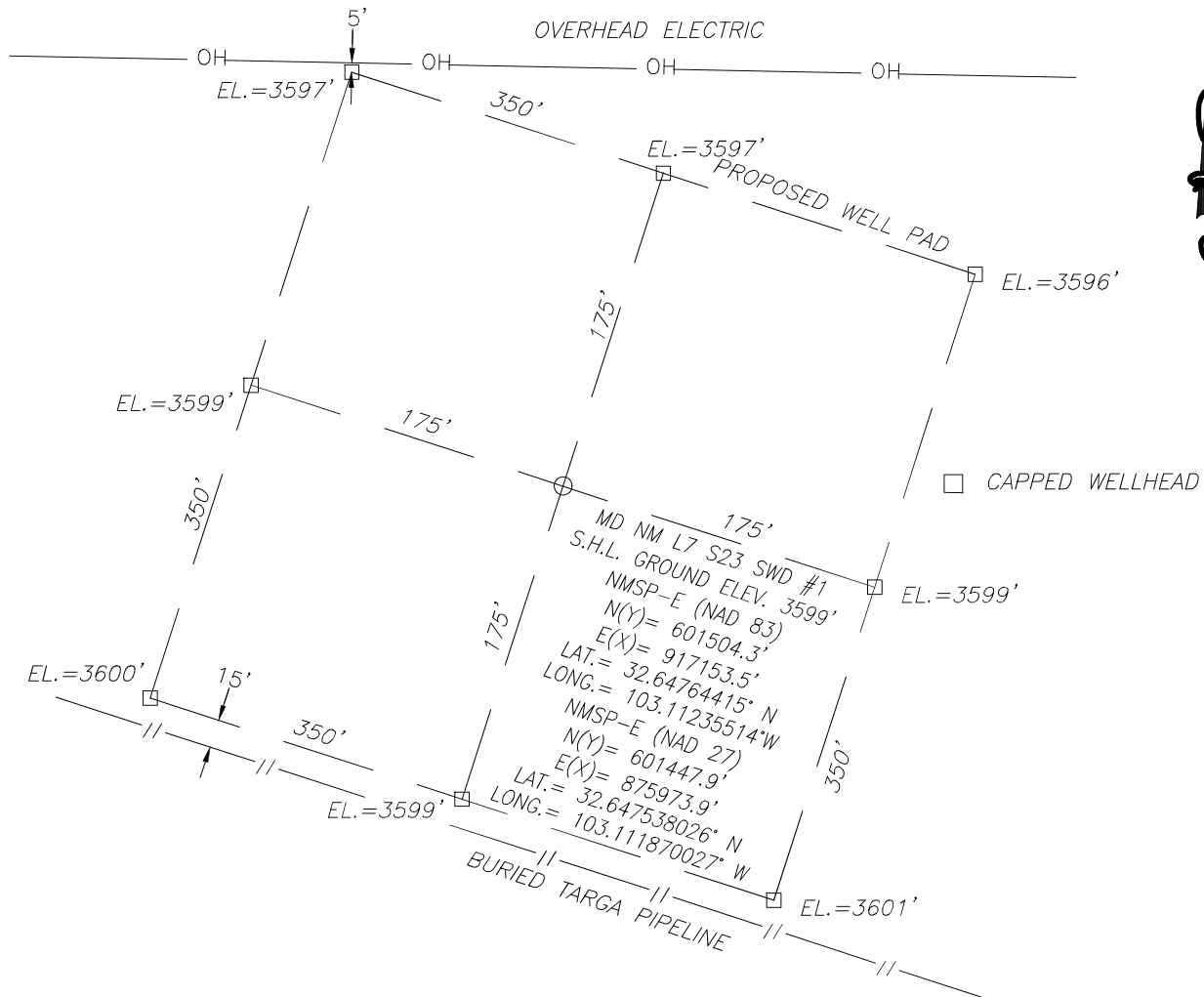
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.



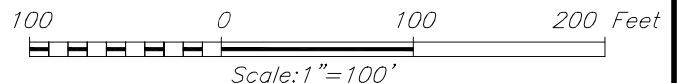
SECTION 23, TOWNSHIP 19 SOUTH, RANGE 38 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



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 ±3.3 MILES. THE WELL STAKED LOCATION FLAG IS EAST ±4,670 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 L7 S23 SWD #1
LOCATED 1,961 FEET FROM THE NORTH LINE
AND 545 FEET FROM THE EAST LINE OF SECTION 23,
TOWNSHIP 19 SOUTH, RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: SEP. 25, 2025

PAGE: 1 OF 1

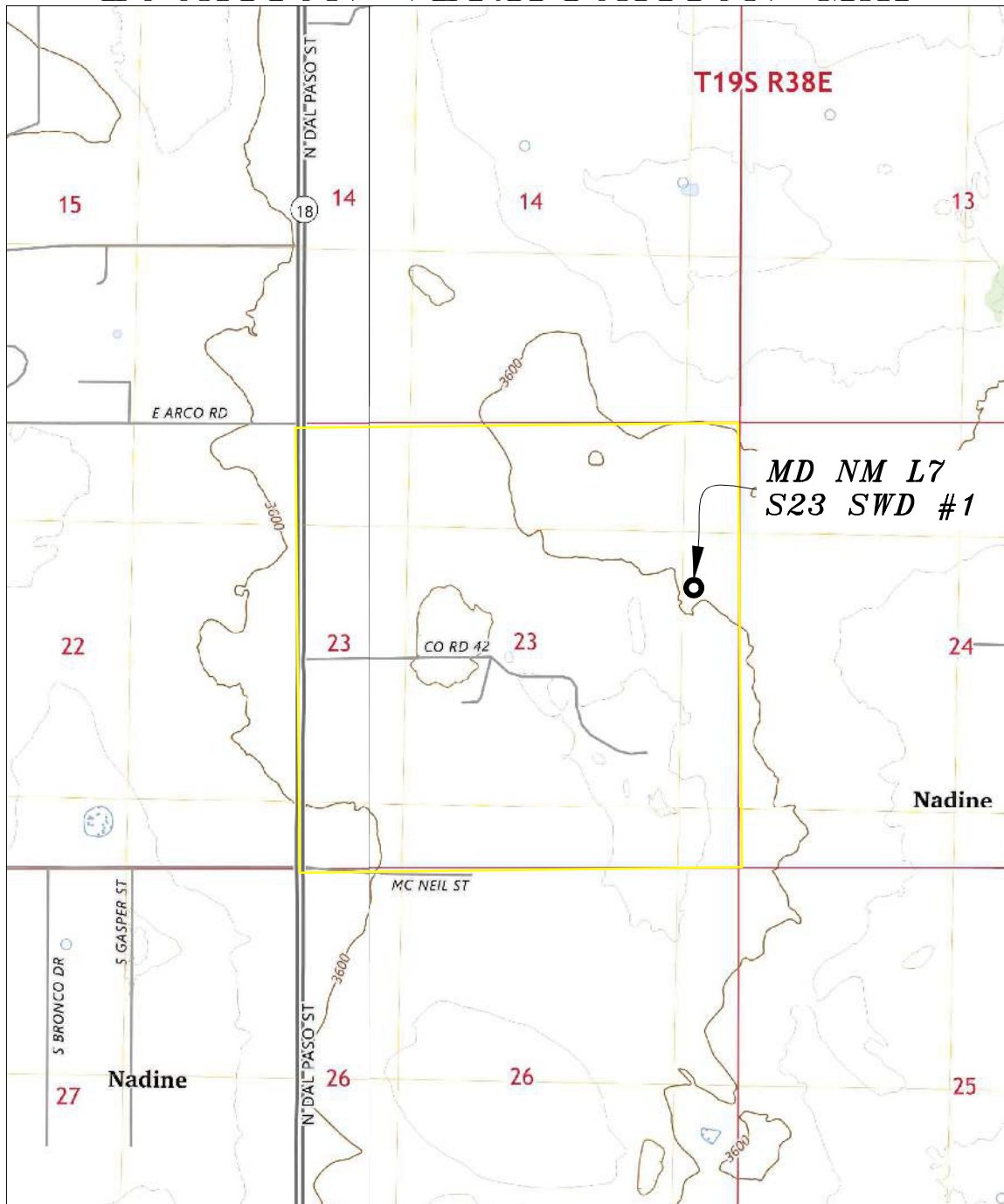
DRAFTING DATE: SEP. 29, 2025

APPROVED BY: MCR

DRAWN BY: TJA

FILE: MD NM L7 S23 SWD #1

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

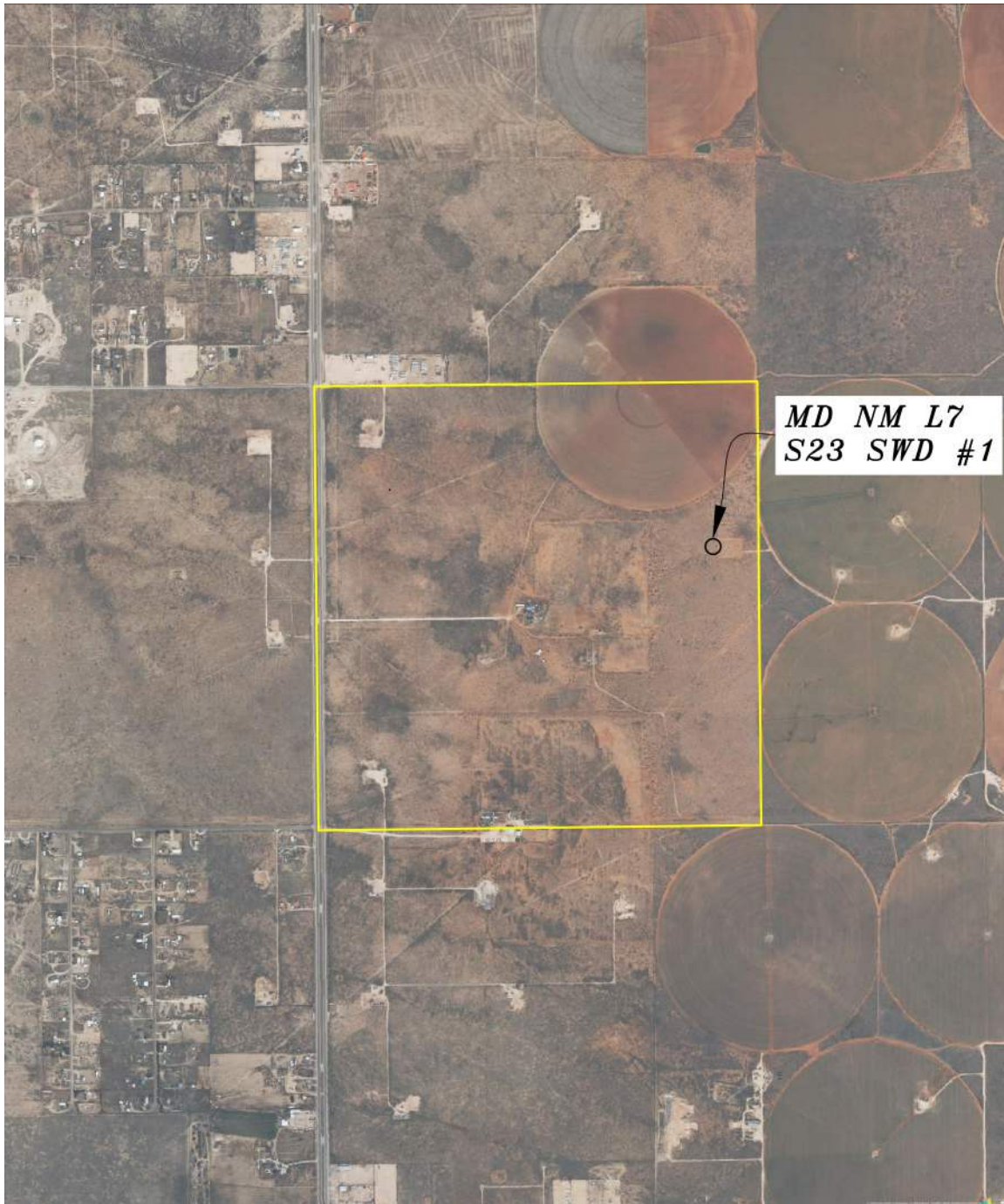
SEC. 23 TWP. 19-S RGE. 38-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 1,961' F.N.L. & 545' F.E.L.
 N.A.V.D. 88 ELEVATION 3599'
 OPERATOR SOLARIS WATER MIDSTREAM, LLC.
 LEASE MD NM L7 S23 SWD #1
 U.S.G.S. TOPOGRAPHIC MAP
 LEA, N.M.

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 L7 S23 SWD#1

VICINITY MAP



SEC. 23 TWP. 19-S RGE. 38-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 1,961' F.N.L. & 545' F.E.L.
 N.A.V.D. 88 ELEVATION 3599'
 OPERATOR SOLARIS WATER MIDSTREAM, LLC.
 LEASE MD NM L7 S23 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 L7 S23 SWD#1	

Prepared By:



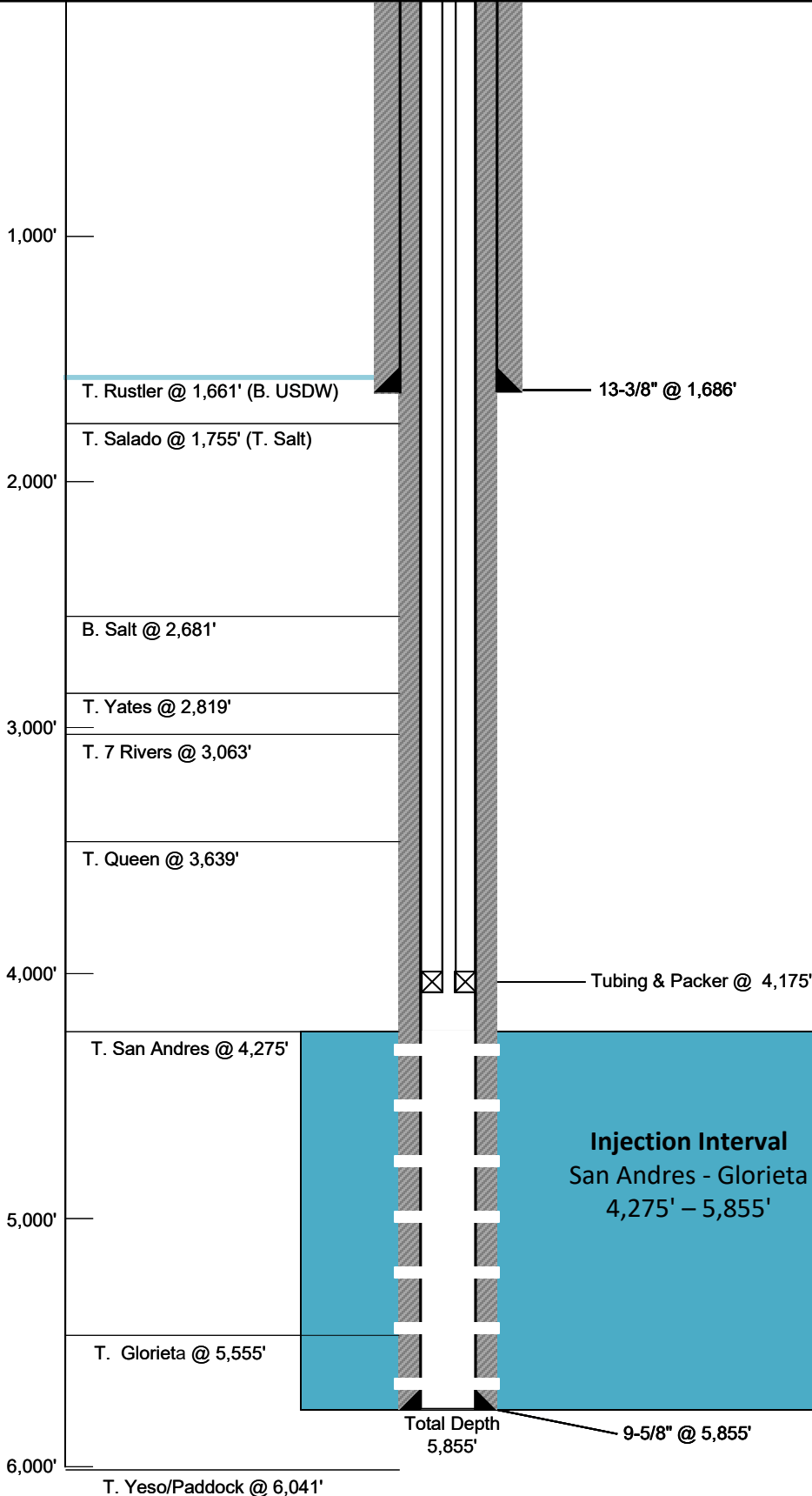
MD NM L7 S23 SWD #1

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: 1,686 ft
Hole Size: 17-1/2 in
Top of Cement: Surface
Sks Cement: 1,497 sx (Class C)

Production Casing

Casing Size: 9-5/8 in
Casing Weight: 40 lb/ft
Casing Grade: L-80 BTC
Casing Depth: 5,855 ft
Hole Size: 12-1/4 in
Top of Cement: Surface
Sks Cement: 1,640 sx (HSLD)

Injection Tubing & Packer

Tubing Size: 7 in
Tubing Weight: 26 lb/ft
Tubing Grade: JHCP-110, EZGO CT-SWD
Tubing Depth: 4,175 ft
Packer Type: Arrowset AS-1X Retrievable
Packer Depth: 4,175 ft

Injection Interval

Formation(s): San Adres & Glorieta
Top: 4,275 ft
Bottom: 5,855 ft
Cased or Open-Hole: Cased

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

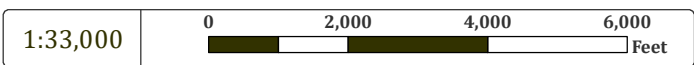
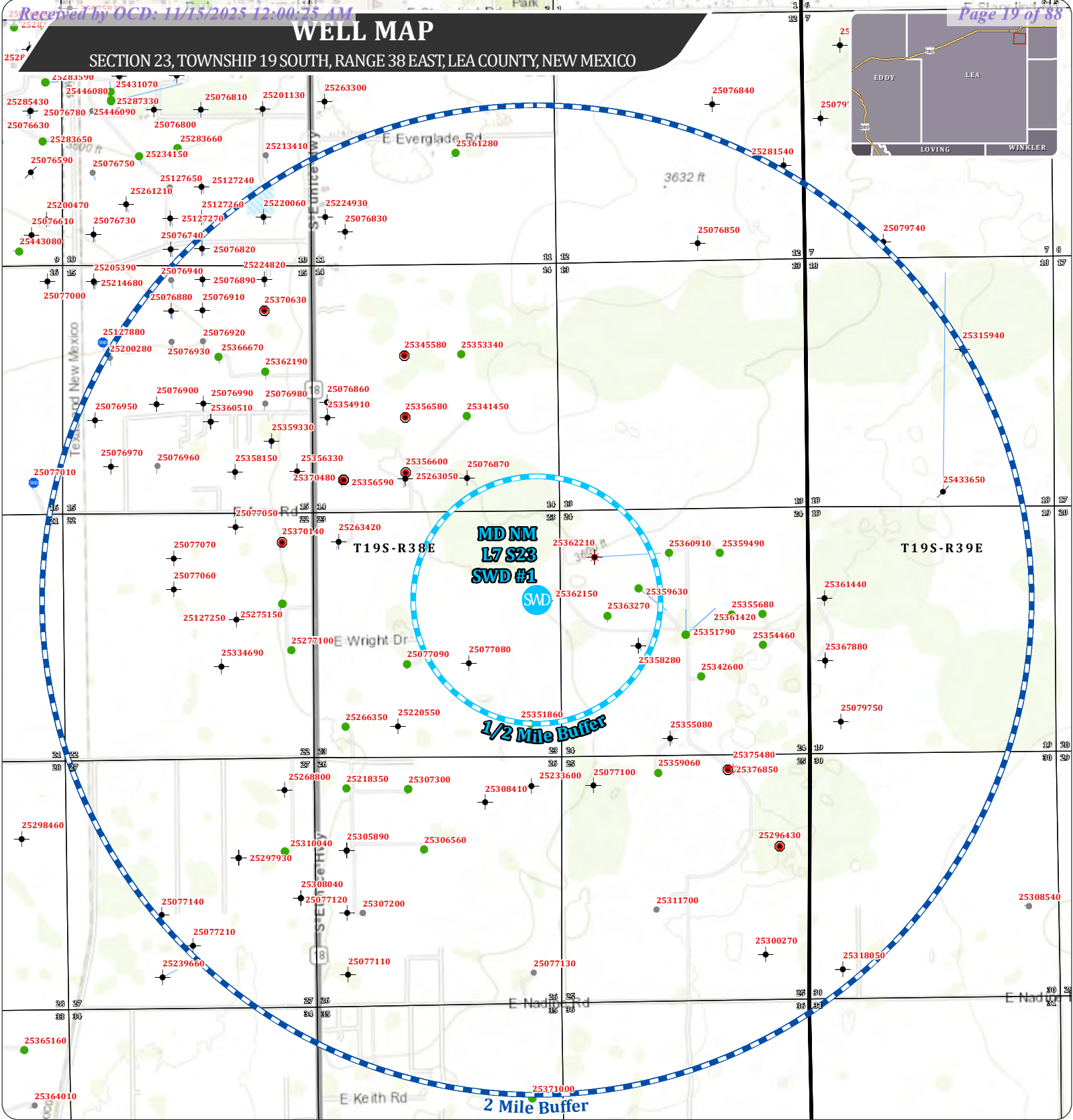
- The design holds high differential pressure from above or below, enabling the packer to meet most production, stimulation, and injection needs.
- The packer can be set with compression, tension, or wireline, enabling deployment in shallow and deep applications.
- The packer can be set and released 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 23, 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 L7 S23 SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.

0.5-mile Well List (Injection Interval: 4,275' - 5,855')								
Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
PRE-ONGARD WELL #001	30-025-07708	Oil	PRE-ONGARD WELL OPERATOR	Plugged	12/31/1899	J-23-19S-38E	8,020	Yes
MERLOT #001	30-025-36215	Oil	CHEVRON U S A INC	Plugged	3/21/2003	H-23-19S-38E	7,800	Yes
DIAMOND #004	30-025-36327	Oil	Extex Operating Company**	Active	7/18/2003	E-24-19S-38E	7,750	Yes
DIAMOND #003	30-025-36221	Oil	LEGACY RESERVES OPERATING, LP	Plugged	3/17/2003	D-24-19S-38E	7,750	Yes
DIAMOND #001H	30-025-35963	Oil	Extex Operating Company**	Active	8/9/2002	F-24-19S-38E	7,079	Yes
RUBY #002	30-025-35828	Oil	TEAM OPERATING, L.L.C.	Plugged	3/3/2002	K-24-19S-38E	7,800	Yes
Notes: - Six 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. - ** Operator of active, drilled well within AOR and will receive notification of this application.						

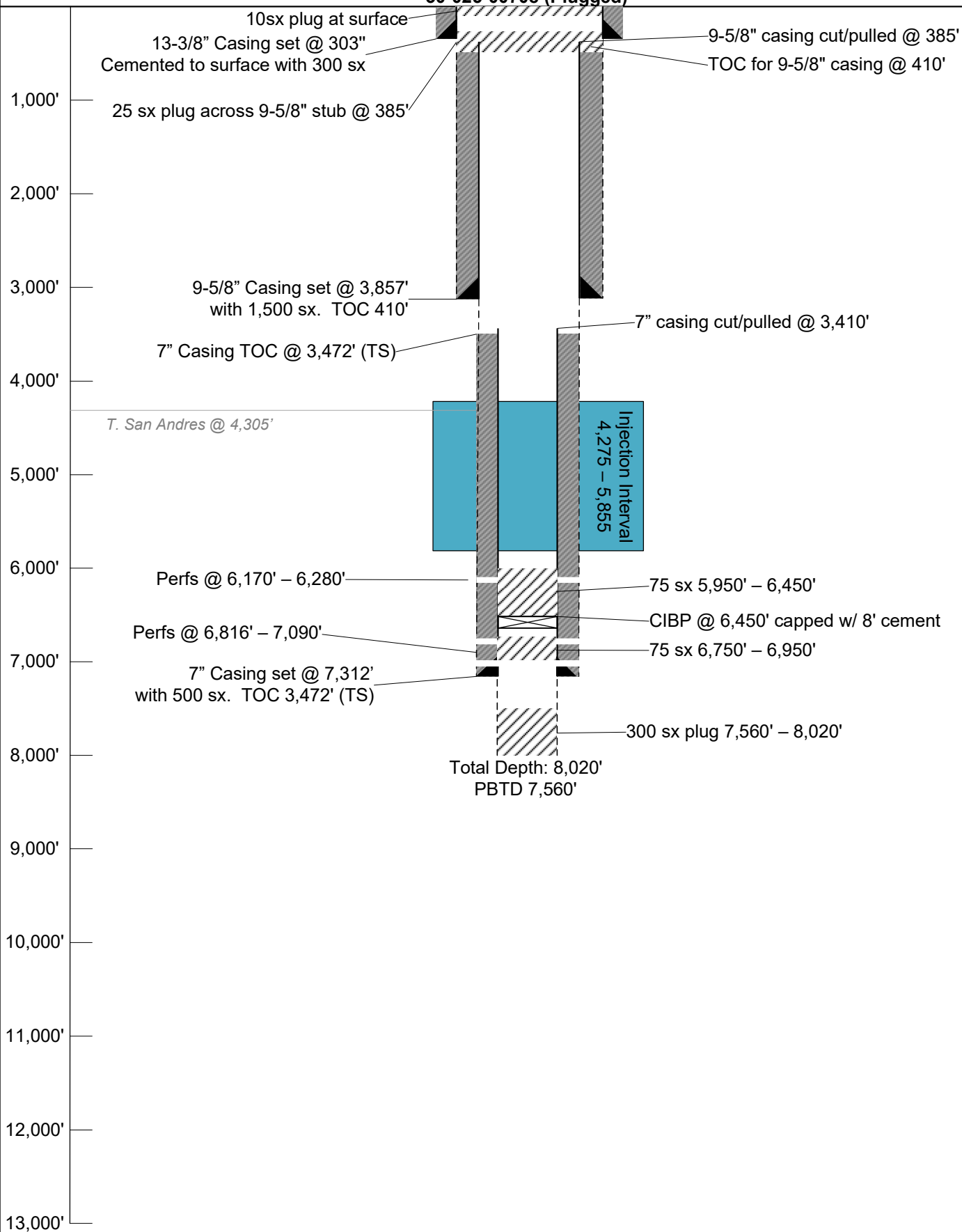
Penetrating Well Casing and Cement Details								
API#	Type	Hole	Size	Depth	Sacks	TOC	Method	Problem
30-025-07708	Surface	17-1/4"	13-3/8"	303'	300	Surface	Circulation	No
	Intermediate	12"	9-5/8"	3,857'	1,500	410'	N/A	
	Production	8-3/4"	7"	7,312'	500	3,472'	TS	
	OH	N/A	N/A	7,312' - 8,021'	N/A	N/A	N/A	
30-025-36215	Surface	12-1/4"	8-5/8"	1,723'	850	Surface	Circulation	No
	Production	7-7/8"	5-1/2"	7,800'	1,670	Surface	Circulation	
30-025-36327	Surface	12-1/4"	8-5/8"	1,675'	850	Surface	Circulation	No
	Production	7-7/8"	5-1/2"	7,750'	1,850	Surface	Circulation	
30-025-36221	Surface	12-1/4"	8-5/8"	1,720'	850	Surface	Circulation	No
	Production	7-7/8"	5-1/2"	7,750'	1,620	Surface	Circulation	
	Horizontal OH	N/A	N/A	4,260' - 4,313' TVD 4,302' - 5,627' MD	N/A	N/A	N/A	
30-025-35963	Surface	12-1/4"	8-5/8"	1,687'	750	Surface	Circulation	No
	Production	7-7/8"	5-1/2"	7,750'	1,630	Surface	Circulation	
	Horizontal OH	4-3/4"	N/A	6,919' - 7,079' TVD 6,920' - 7,797' MD	N/A	N/A	N/A	
30-025-35828	Surface	12-1/4"	8-5/8"	1,720'	800	Surface	Circulation	No
	Production	7-7/8"	5-1/2"	7,800'	1,790	Surface	Circulation	

Plugged Penetrating Wells			
API#	Perfs	Casing Pulled	Plugs
30-025-07708	6,170' - 6,280' 6,816' - 7,090' OH 7,312' - 8,021'	3,410' of 7" 385' of 9-5/8"	300sx 7,560' - 8,021'
			75sx 6,750' - 6,950'
			CIBP @ 6,450' capped w/ 8' cement
			75 sx 5,950' - 6,450'
			Cut and pull 7" casing @ 3,410'
			Cut and pull 9-5/8" casing @ 385'
			25sx across 9-5/8" stub @ 385'
			10sx at surface
30-025-36215	7,018' - 7,076' 7,324' - 7,494' 7,536' - 7,653'	None	CIBP @ 6,958' w/ 35' cement
			110sx 5,771' - 6,937'
			165sx 3,931' - 5,603'
			60sx 2,392' - 3,000'
			30sx 1,450' - 1,773'
			60sx 300' to surface
30-025-36221	3,428' - 3,444' 4,302' - 4,310' 6,991' - 7,064' 7,386' - 7,558'	None	CIBP @ 6,000'
			Sq Seven Rivers Perfs 3,428' - 3,444' w/ 100sx
			CIBP @ 4,140'
			Try to horizontal drill @ 4,140'. Unable to stay in zone.
			Plugback w/ 120sx.
			New lateral @ 4,302'.
			CIPB @ 4,050' w/ cement to 4,008'
			25sx 2,650' - 2,900'
30-025-35828	7,428' - 7,585' 7,080' - 7,410'	None	30sx 1,521' - 1,820'
			25sx 250' to surface
			CIBP @ 7,198'
			CIBP @ 7,020'
			25 sx 6,773' - 7,020'
			25 sx 4,113' - 4,360'
			25 sx 2,445' - 2,700'
			Perf casing @ 1,770.
			Sq 50 sx 1,570' - 1,770'. Tag plug @ 1,547'
			25 sx @ 220' & circ to surface

AOR Wellbore Diagram (30-025-00708)

Injection Interval: San Andres & Glorieta @ 4,275' – 5,855'

Formation Depth Picks

**Offset AOR Well
30-025-00708 (Plugged)**

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

NOT TO SCALE

Form C-103

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

October 10, 1949

Hobbs, New Mexico

Date

Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____
Stanolind Oil and Gas Company **Arma L. Foster** Well No. **1** in the _____

Company or Operator _____ Lease _____
SE/4 of Sec. **23**, T. **19**, R. **35**, N. M. P. M.,
Wildcat Field, **Lea** County.

The dates of this work were as follows: **September 30 - October 2, 1949**

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on **October 1** 19**49**
and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

On October 2, 1949, at 12:05 a.m. 48 hours had elapsed since running 291' of 13" casing set at 303' and cemented with 300 sacks to be used as surface string. Cement was circulated to surface. Pipe and water shut off was tested by applying 1000 psi pressure and holding for 30 minutes before and after drilling cement plug. Both tests were O.K. and drilling was resumed.

Witnessed by **T. S. Holden** **Stanolind Oil and Gas Company** **Head Roustabout**
Name Company Title

Subscribed and sworn before me this **10th** day of **October** 19 **49** I hereby swear or affirm that the information given above is true and correct.
[Signature] Name **T. S. Holden**
Notary Public Position **Production Foreman**
Representing **Stanolind Oil and Gas Company**
Company or Operator

My commission expires **2-23-50** Address **Box "F" - Hobbs, New Mexico**

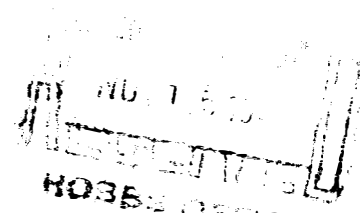
Remarks:

[Signature]
Name
Title

Form C-102

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	<input checked="" type="checkbox"/>	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

November 11, 1949 Hobbs, New Mexico
Date Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____
Stanolind Oil and Gas Company Anna L. Foster Well No. 1 in the _____
Company or Operator Lease
SE/4 of Sec. 26, T. 19-S, R. 38-E, N. M. P. M.,
Wildcat Field, Lea County.

The dates of this work were as follows: October 21-29, 1949
Notice of intention to do the work was ~~(was-not)~~ submitted on Form C-102 on October 20 19 49
and approval of the proposed plan was ~~(was-not)~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

On October 19, 1949, 9-5/8" intermediate casing was landed at 3757' and cemented with 1500 sacks. During displacement of the cement from the casing, the plug could not be pumped below 2665', indicating a casing leak. A temperature survey showed cement to be at 1830' behind the 9-5/8" casing. Tests were then made to locate the leak which was determined to be at 615' from the surface. The pipe and plug below this point was tested with 1000 psi pressure with no appreciable drop. The 9-5/8" was then perforated at 1800' with four 1/2"

Witnessed by T. S. Holden Stanolind Oil & Gas Co. Head Asst.
Name Company Title

Subscribed and sworn before me this 11th
day of November 1949

Notary Public

I hereby swear or affirm that the information given above is true and correct.

Name Roy A. Yarbrough
Position Field Superintendent

Representing Stanolind Oil and Gas Company
Company or Operator

My commission expires 2-23-50

Address Box "F", Hobbs, New Mexico

Remarks:

Roy Yarbrough
Name

Title

holes and cement was placed through perforations back to 410' behind the 9-5/8" casing.

After allowing 30 hours for cement to set, drilling was resumed.

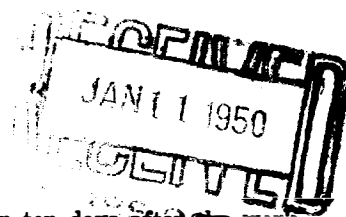
Form C-103

DUPLICATE

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS



Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL		REPORT ON PLUG BACK	X

January 10, 1950

Hobbs, New Mexico

Date

Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the Stanolind Oil and Gas Company Anna L. Foster "A" Well No. 1 in the Company or Operator Lease
SE/4 of Sec. 23, T. 19-S, R. 38, N. M. P. M.,
Wildcat Field, Lee County.

The dates of this work were as follows: January 2-3-4-5-6, 1950

Notice of intention to do the work was (~~submitted~~) submitted on Form C-102 on January 1 19 50
and approval of the proposed plan was (~~obtained~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

On January 2, 1950, subject well, was plugged back from a total depth of 8021' to a total depth of 7560' with 300 sacks of sulphur resistant cement.

On January 6, 1950, 48 hours had elapsed since running 7301' of 7" casing set at 7312' and cemented with 500 sacks to be used as oil string. Cement ^{was} ~~circulated~~ located at 3472' by means of a temperature survey.

Pipe and water shut off was tested by applying 1000 psi pressure and holding for (over)

Witnessed by T. S. Holden Stanolind Oil and Gas Company Head Roostabout
Name Company Title

Subscribed and sworn before me this 10th

day January 19 50

[Signature]

Notary Public

I hereby swear or affirm that the information given above is true and correct.

Name Reep Henderson

Position Field Superintendent

Representing Stanolind Oil and Gas Company
Company or Operator

My commission expires 2-23-50

Address Box F, Hobbs, New Mexico

Remarks:

APPROVED

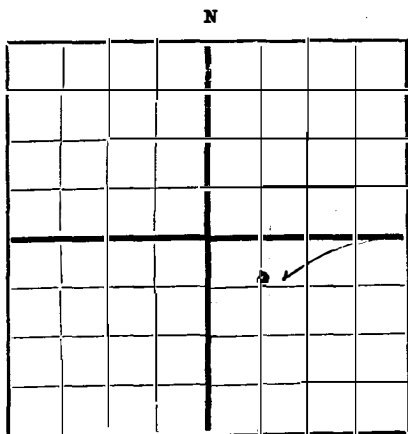
JAN 11 1950

Date

[Signature]
Title

30 minutes before and after drilling cement plug. Pressure drop did not occur on either test. Operations were resumed.

FORM C-105



NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Stanolind Oil and Gas Company, Box "F", Hobbs, New Mexico
Company or Operator Address
Anna L. Foster Well No. 1 in SE 1/4 of Sec. 23, T. 19-S
Lease
R. 38-E, N. M. P. M., Wildcat Field, Lea County.
Well is 3300 feet south of the North line and 1980 feet west of the East line of Section 23
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is Anna L. Foster, Address Hobbs, New Mexico
If Government land the permittee is _____, Address _____
The Lessee is Stanolind Oil and Gas Company, Address Tulsa, Oklahoma
Drilling commenced September 28 19 49 Drilling was completed January 16 19 50
Name of drilling contractor M. J. Delaney Co., Address 512 Continental Bldg.
Dallas, Texas
Elevation above sea level at top of casing 3608 feet.
The information given is to be kept confidential until Not Confidential 19 _____

OIL SANDS OR ZONES

No. 1, from 7312 to 7560 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ 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 None to _____ feet.
No. 2, from _____ to _____ feet.
No. 3, from _____ to _____ feet.
No. 4, from _____ to _____ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>13-3/8</u>	<u>36#</u>	<u>8-VT</u>	<u>Armco</u>	<u>303</u>	<u>Baker</u>		<u>None</u>		<u>Surface</u>
<u>9-5/8</u>	<u>32#</u>	<u>8-VT</u>	<u>Armco</u>	<u>3857</u>	<u>Baker</u>		<u>None</u>		<u>Intermediate</u>
<u>7"</u>	<u>23#</u>	<u>8-VT</u>	<u>Armco</u>	<u>7312</u>	<u>Baker</u>		<u>None</u>		<u>Oil String</u>

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>17-1/4</u>	<u>13-3/8</u>	<u>303</u>	<u>300 sx.</u>	<u>Displacement</u>	<u>9.7#/gallon</u>	
<u>12"</u>	<u>9-5/8</u>	<u>1500</u>	<u>1500 sx.</u>	<u>"</u>	<u>10.8#/gallon</u>	
<u>8-3/4</u>	<u>7"</u>	<u>7312</u>	<u>500 sx.</u>	<u>"</u>	<u>9.7#/gallon</u>	

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth Set _____
Adapters — Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		<u>Mud Acid</u>	<u>1500 gal.</u>	<u>1-9-50</u>	<u>7312-7560'</u>	
		<u>Reg. 15% Acid</u>	<u>10000 gal.</u>	<u>1-12-50</u>	<u>7312-7460</u>	
		<u>Reg. 15% Acid</u>	<u>5000 gal.</u>	<u>1-13-50</u>	<u>7460- 560'</u>	

Results of shooting or chemical treatment Flowed 33 BO during 24 hours on 32/64" choke
cut 4 to 10% with BS&W. CPF - 475#; TPF - 25#.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED Plugged back to 7560' with 300 sx. of sulphur resistant cement.
Rotary tools were used from Surface feet to 8020 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing January 16 19 50.
The production of the first 24 hours was 93 barrels of fluid of which 86 % was oil; 14 % emulsion; _____ % water; and _____ % sediment. Gravity, Be. 32° API
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. To be taken

EMPLOYEES

_____, Driller H. D. Stovall, Driller
D. C. Campbell, Driller Earl Lawson, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 25th
day of J anuary, 19 50

[Signature]
Notary Public

Hobbs, New Mexico 1-25-50 Date
Name Ralph Pennington
Position Field Superintendent
Representing Stanolind Oil & Gas Company
Company or Operator
Address Box "F", Hobbs, New Mexico

FORMATION RECORD

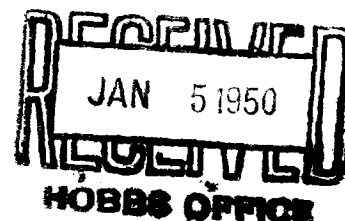
FROM	TO	THICKNESS IN FEET	FORMATION
FORMATION TOPS (ELECTRIC LOG)			
			Elevation 3616' DF
			Top Anhydrite 1550' (-2066)
			Top Yates 2870' (-746)
			Top Queen 3820' (-204)
			Top San Andres 4305' (-689)
			Top Glorieta 5590' (-1974)
			Top Tubbs 6590' (-2974)
			Top Pay 7345' (-3729)
			Plug Back T.D. 7560' (-3944)
			Top Devonian 7905' (-4289)
			Total Depth 8020' (-4404)
SAMPLE LOG			
Surface	1550	1550	Sand, caliche, red beds
1550	1734	184	Anhydrite
1734	2870	1136	Salt, sand, dolomite
2870	3820	950	Sand, anhydrite
3820	4305	485	Anhydrite, lime
4305	5590	1285	Dolomite
5590	6590	1000	Lime, Dolomite
6590	7345	755	Dolomite, black shale streaks
7345	7905	560	Lime, dolomite
7905	8020	115	Lime, shale

Form C-103

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS



Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	X
REPORT ON RESULT OF PLUGGING OF WELL			

December 31, 1949

Hobbs, New Mexico

Date

Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____
Stanclind Oil and Gas Company Anna L. Foster A Well No. 1 in the _____
 Company or Operator Lease
SE/4 of Sec. 23, T. 19-S, R. 38-E, N. M. P. M.,
Wildcat Field, Lee County.

The dates of this work were as follows: December 31, 1949

Notice of intention to do the work was (~~41255~~) submitted on Form C-102 on December 17 1949
 and approval of the proposed plan was (~~41255~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Well was drilled to 8021' as of December 31, 1949, to test Devonian formation.

Devonian formation was drill stem tested from 7925' to 7969' and sulphur water encountered.

Witnessed by T. S. Helden Stanclind Oil and Gas Company Hd. Roustabout
 Name Company Title
 Subscribed and sworn before me this 4th
 day of January 1950
[Signature]
 Notary Public
 My commission expires 2-23-50
 I hereby swear or affirm that the information given above is true and correct.
[Signature]
 Name Reph Henden
 Position Field Superintendent
 Representing Stanclind Oil and Gas Company
 Company or Operator
 Address Box F, Hobbs, New Mexico

Remarks:

APPROVED

JAN 5 1950

Title

[Signature]
Oil & Gas Inspector

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE OCC

MISCELLANEOUS REPORTS ON WELLS

1954 APR 22 PM 1:44

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	X
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

April 21, 1954
(Date)Hobbs, New Mexico
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Stanolind Oil and Gas Company
(Company or Operator)A. L. Foster "A"
(Lease)Bateman Whittsitt
(Contractor)

Well No. 1 in the NW 1/4 SE 1/4 of Sec. 23

T. 19-S, R. 38-E, NMPM, Madine Pool, Lea County.

The Dates of this work were as follows: March 16, 1954 to March 23, 1954

Notice of intention to do the work (was) (~~not~~) submitted on Form C-102 on March 2, 1954,
(Cross out incorrect words)and approval of the proposed plan (was) (~~not~~) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

In order to effectively increase production, the following work was done and results obtained.

Loaded hole and tested casing. OK. Perforated with 2 shots per foot at intervals 6816-6858; 7016-7032; 7040-7049. Acidized perforations 7016-7049 with 2000 gallons Gel Acid and 500 gallons 15% Regular. Acid-fractured perforation 6816-6858 with 3000 gallons Gel acid. Well was tested from March 23, 1954 to April 18, 1954. On 24 hr. PT well pumped 19 BO and 43 BW. GOR 441. Previous allowable was 7 BOPD.

Witnessed by T. S. Holden
(Name)Stanolind Oil and Gas Company
(Company)Head Roustabout
(Title)

Approved: OIL CONSERVATION COMMISSION

S. G. Stanley
(Name)

Engineer District 1

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

Name: Ralph R. Henderson

Position: Field Superintendent

Representing: Stanolind Oil and Gas Company

Address: Box 68, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	<input checked="" type="checkbox"/>
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

November 2, 1954 Hobbs, New Mexico
(Date) (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Stanolind Oil and Gas Company (Company or Operator) L. Foster "A" (Lease)

James Oil Well Service Company (Contractor), Well No. 1 in the NW 1/4 SE 1/4 of Sec. 23

T. 19-S., R. 38-E., NMPM., Nadine Pool, Lea County.

The Dates of this work were as follows: 9/29/54 - 11/1/54

Notice of intention to do the work (was) (~~was not~~) submitted on Form C-102 on September 27, 1954, (Cross out incorrect words)
and approval of the proposed plan (was) (~~was not~~) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

The following remedial work was performed and results obtained:

Set packer at 7231' and perforated intervals 6986 - 7020; 7075 - 7090 with 4 shots per foot. Acidized below packer with 500 gallons 15% regular. Acidized perforation 6986 - 7049 with 3000 gallons 15% regular. On test well produced 7 BOPD effective 11/1/54. No change in allowable status.

Witnessed by T. S. Holden (Name) Stanolind Oil and Gas Company (Company) Hd. Roustabout (Title)

Approved: OIL CONSERVATION COMMISSION

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

Name: Ralph L. Henderson

Position: Field Superintendent

Representing: Stanolind Oil and Gas Company

Address: Box 68, Hobbs, New Mexico

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

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. 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 ANNA L. FOSTER "A"
9. Well No. 1
10. Field and Pool, or Wildcat WILDCAT
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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> dry well Plug back & Recomplete attempt
2. Name of Operator Pan American Petroleum Corp
3. Address of Operator Box 68, Hobbs, N.M.
4. Location of Well UNIT LETTER J , 1980 FEET FROM THE SOUTH LINE AND 1980 FEET FROM THE EAST LINE, SECTION 23 TOWNSHIP 19-S RANGE 38-E NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) 3628' RDB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

(TD 8020', PBD 6442', 7" CSA 7312', T-CMT 3472')

In accordance with Form C-101 submitted 4-9-65. recompletion attempts made as follows:

"Abandoned Drunkard. Set 75 sx. Cement plug from 6450-6750. Bridge plug set at 6450' + capped with 8' cement.

Perforated Blinbury 6170-83, 6200-07, 6275-80 w/25PF & Acidized w/2000 Gallons. Swabbed down. No shows. 14 BLW to recover. SI for further evaluation.

OC 3-14-65! Comp 4-22-65.

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

SIGNED <u>[Signature]</u>	TITLE <u>Area Supr</u>	DATE <u>4-22-65</u>
APPROVED BY <u>[Signature]</u>	TITLE <u></u>	DATE <u></u>

CONDITIONS OF APPROVAL, IF ANY:

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

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. 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 ANNAL FOSTER "A"
9. Well No. 1
10. Field and Pool, or Wildcat WILDCAT
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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- DRY HOLE
2. Name of Operator Pan American Petroleum Corp.
3. Address of Operator Box 68, Hobbs, New Mexico 88240
4. Location of Well UNIT LETTER J, 1980 FEET FROM THE SOUTH LINE AND 1980 FEET FROM THE EAST LINE, SECTION 23, TOWNSHIP 19-S, RANGE 38-E, NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 3628 RDB

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
-------------------------	-----------------------

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

In accordance w/ Form C-103 approved 7-12-65, well was P + A as follows:

" 75 24, 6450-5950; Cut and pulled 7" casing from 3410; Cut and pulled 9 5/8" casing from 385'. Spotted 25 24 cement plug in and out of 9 5/8" stub. Spotted 10 24 cement plug at surface and erected P + A marker.

Comp. 7-30-65

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

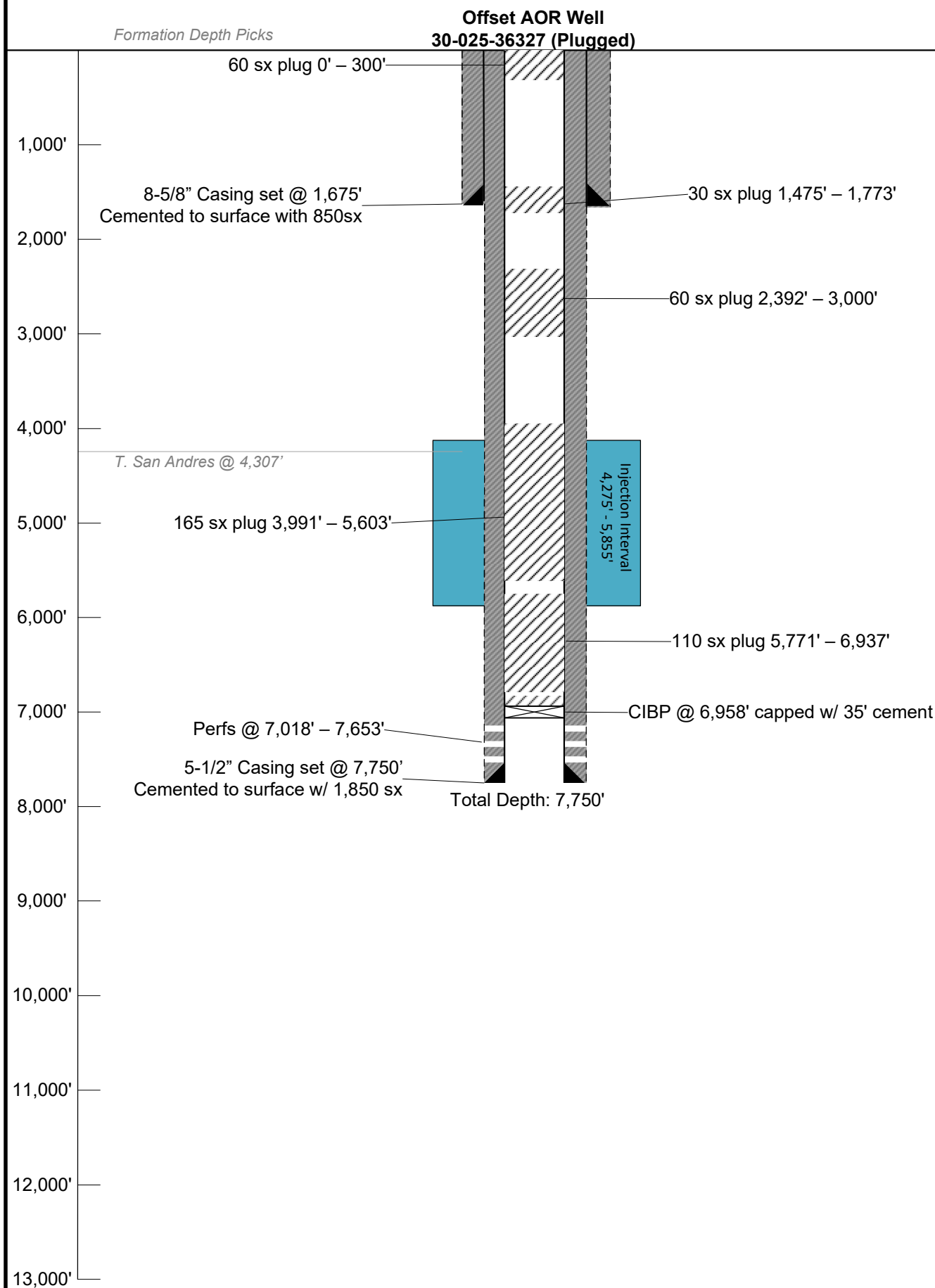
SIGNED _____ TITLE Carea Supt DATE 2-8-66

04 2-NMOC-H
1-JWB
1-KWB
APPROVED BY W. F. Spencer-TUSA
CONDITIONS OF APPROVAL, IF ANY:
1-2

TITLE _____ DATE _____

AOR Wellbore Diagram (30-025-36215)

Injection Interval: San Andres & Glorieta @ 4,275' – 5,855'



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

NOT TO SCALE

30-025-35215

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 87240
 District II
 811 South First, Artesia, NM 87210
 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

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. 30-025-36215
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 Xeric Oil & Gas Corporation		6. State Oil & Gas Lease No.
3. Address of Operator P. O. Box 352 Midland, TX 79702		7. Lease Name or Unit Agreement Name: Merlot
4. Well Location Unit Letter <u>H</u> : <u>1980</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>East</u> line Section <u>23</u> Township <u>19S</u> Range <u>38E</u> NMPM County <u>Lea</u>		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) GR 3597		9. Pool name or Wildcat Nadine Drinkard Abo

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"/> MULTIPLE COMPLETION <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 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

3/23/03 Spud well @ 3:00 PM MDT with Key Drilling Rig #7.

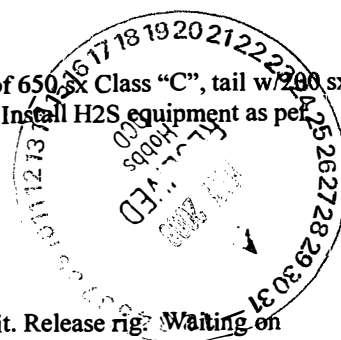
3/24/03 TD 12 1/4" surface hole @ 1,726'. Circulate hole clean.

3/25/03 RIH w/38 jts. 24# J-55 8 5/8" csg. to a setting depth of 1,723'. Cement with lead of 650 sx Class "C", tail w/280 sx Class "C". Circulate 17 sx to surface. Plug Down. WOC 8 hrs. Nipple up BOP. Install H2S equipment as per NMOC orders.

4/10/03 TD 7 7/8" hole @ 7,800. Run Open Hole Logs. Circulate hole.

4/11/03 RIH w/207 jts 17# & 20# N-80 5 1/2" csg (7819') to a setting depth of 7,800'.

4/12/03 Lead cement w/830 sx Class "C". Tail w/840 sx Class "H". Circulated 95 sx to pit. Release rig. Waiting on completion unit.



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

SIGNATURE Angie Crawford TITLE Production Analyst DATE 4/30/03
 Type or print name Angie Crawford Telephone No. 432-683-3171

(This space for State use)

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE MAY 06 2003
 Conditions of approval, if any:

Submit To Appropriate District Office

State Lease - 6 copies

Fee Lease - 5 copies

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico
Energy, Minerals and Natural Resources

30-025-35215

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

Form C-105

Revised March 25, 1999

WELL API NO.

30-025-36215

5. Indicate Type of Lease

STATE ☐ FEE ☒

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:

NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF.
WELL OVER BACK RESVR. ☐ OTHER ☐

2. Name of Operator

Xeric Oil & Gas Corporation

3. Address of Operator

PO Box 352 Midland, Texas 79702

8. Well No.

1

9. Pool name or Wildcat

Nadine Drinkard Abo

4. Well Location

Unit Letter H : 1980 Feet From The North Line and 330 Feet From The East Line
Section 23 Township 19S Range 38E NMPM Lea County

10. Date Spudded

3/23/03

11. Date T.D. Reached

4/9/03

12. Date Compl. (Ready to Prod.)

5/13/03

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

GR 3597

14. Elev. Casinghead

15. Total Depth

7800

16. Plug Back T.D.

7740

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

X

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name
7018-7076 Drinkard
7536-7653 Abo20. Was Directional Survey Made
Yes Attached

21. Type Electric and Other Logs Run

Dual Laterolog, Compensated Densilog

22. Was Well Cored

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#	1723	12 1/4"	850 Sx Class C	RECEIVED
5 1/2"	17# & 20#	7800	7 7/8"	1670 Sx C & H	Hobbs
					ULU

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	6840'	

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

7018'-7076', 2 SPF, 68 Holes

7536'-7653', 2 SPF, 58 Holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7018-7076	2500 gal. Nefe + 112,000# 16/30
	Ottawa Sand Frac
7536-7653	3000 gal. Nefe + 10,000 g. acid Frac

28. PRODUCTION

Date First Production 5/13/03		Production Method (Flowing, gas lift, pumping - Size and type pump) 2 1/2" x 1 3/4" x 20' RHBC Insert Pump			Well Status (Prod. or Shut-in) Prod		
Date of Test 5/19/03	Hours Tested 24	Choke Size N/A	Prod'n For Test Period	Oil - Bbl 55	Gas - MCF 111	Water - Bbl. 101	Gas - Oil Ratio 2,018
Flow Tubing Press. N/A	Casing Pressure 40	Calculated 24-Hour Rate	Oil - Bbl. 55	Gas - MCF 111	Water - Bbl. 101	Oil Gravity - API - (Corr.) 38.1	

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

Dynege Midstream

Test Witnessed By

Donny Money

30. List Attachments

Inclination Survey, DLML & CDCN Logs, Letter of Confidentiality

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

Signature

Angie Crawford

Printed Name

Angie Crawford

Title Production Analyst

Date 5/29/03

INSTRUCTIONS**30-025-35215**

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 _____
 T. Salt 1672
 B. Salt 2645
 T. Yates 2835
 T. 7 Rivers 2935
 T. Queen _____
 T. Grayburg _____
 T. San Andres 4305
 T. Glorieta 5565
 T. Paddock _____
 T. Blinebry 6050
 T. Tubb 6615
 T. Drinkard 6960
 T. Abo 7235
 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.....to.....

No. 3, from.....to.....

No. 2, from.....to.....

No. 4, 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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
2800	3440		Anhydrite & Salt				
3440	4300		Anhydrite & Dolomite				
4300	5560		Dolomite				
5560	6000		Dolomite & Sandstone				
6000	6620		Dolomite				
6620	6750		Dolomite & Siltstone				
6750	7010		Dolomite				
7010	7800		Dolomite & Limestone				

30-025-35215

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 87240
 District II
 811 South First, Artesia, NM 87210
 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

Form C-103

Revised March 25, 1999

WELL API NO.	30-025-36215
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:	Merlot
8. Well No.	1
9. Pool name or Wildcat	Nadine Drinkard Abo
4. Well Location	Unit Letter <u>H</u> : <u>1980</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>East</u> line Section <u>23</u> Township <u>19S</u> Range <u>38E</u> NMPM County <u>Lea</u>
10. Elevation (Show whether DR, RKB, RT, GR, etc.)	GR 3597

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
 Xeric Oil & Gas Corporation

3. Address of Operator
 P. O. Box 352
 Midland, TX 79702

4. Well Location
 Unit Letter H : 1980 feet from the North line and 330 feet from the East line
 Section 23 Township 19S Range 38E NMPM County Lea

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
 GR 3597

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: Add Abo Perforations ☒

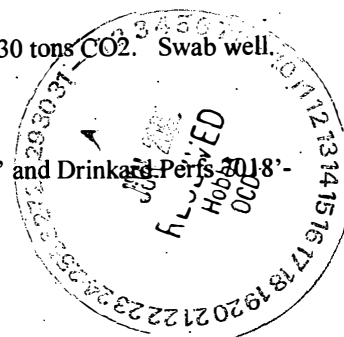
12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

6/7/03 MIRU Pulling Unit. POOH w/rods, pump & tbg. RU WL & perf Upper Abo from 7324'-7334', 7368'-7382', 7408'-7412', 7414'-7418', 7420'-7426', 7454'-7464', 7474'-7486', 7490'-7494', total of 91 holes. RDMO WL. Set RBP @ 7515'. Install stack frac isolation tool to bop & set pkr @ 7220'. SDFWE.

6/10/03 RU acidizers & Team CO2. Do acid breakdown w/1000 gal 15% Nefe + 6000 gal 20% HCL + 30 tons CO2. Swab well.

6/11/03 Release pkr & catch RBP. RIH w/tbg, rods & pump as before.

Put well back into production: New Abo Perfs 7324'-7494' and existing Perfs Abo 7536'-7653' and Drinkard Perfs 7018'-7076'.



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

SIGNATURE Angie Crawford TITLE Production Analyst DATE 6/25/03
 Type or print name Angie Crawford Telephone No. 432-683-3171

(This space for State use)

APPROVED BY Harry W. [Signature] OC FIELD REPRESENTATIVE II/STAFF MANAGER
 Conditions of approval, if any: [Signature] DATE JUN 30 2003

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

State of New Mexico
Energy, Minerals and Natural Resources

30-025-35215
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-025-36215	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No. <input checked="" type="checkbox"/>	
7. Lease Name or Unit Agreement Name Merlot	
8. Well Number 1	
9. OGRID Number 147179	
10. 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 Chesapeake Operating Inc.	
3. Address of Operator P.O. Box 11050 Midland, TX 79702-8050	
4. Well Location Unit Letter H : 1980 feet from the North line and 330 feet from the East line Section 23 Township 19S Range 38E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3597 GR	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
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:

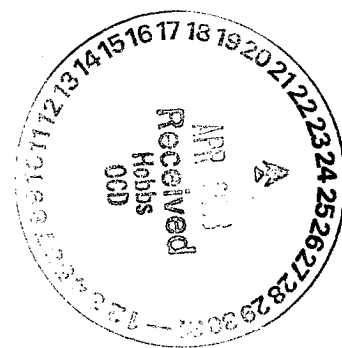
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

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.

4/13/06. RIH w/CIBP, set @ 6958', pump 130 bbls pkr fluid, test to 500#, helk OK, LD 238 jts tbq. RIH w/ baller dump 35' cmt on top of CIBP. Tested for 30 minutes @ 500#, test OK.

This Approval of Temporary
Abandonment Expires 4/25/06



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 OGD-approved plan ☒.

SIGNATURE Shay Stricklin TITLE Production/Regulatory Assistant DATE 04/21/2006

Type or print name Shay Stricklin
For State Use Only

E-mail address: sstricklin@chkenergy.com Telephone No. (432)687-2992

APPROVED BY Harry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE APR 25 2006

Conditions of Approval (if any):

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

Energy, Minerals and Natural Resources

Revised July 18, 2013

OIL CONSERVATION DIVISION

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

WELL API NO.
30-025-36215

5. Indicate Type of Lease
STATE FEE X

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

MERLOT

8. Well Number

1

9. OGRID Number

4323

10. 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 X Gas Well Other

2. Name of Operator

CHEVRON U.S.A. INC.

monty.mccarver@cjes.com

3. Address of Operator

1500 SMITH RD. MIDLAND, TX. 79705

4. Well Location DATUM Y- LAT 32.64733 X-LONG -103.11124

Unit Letter H : 1980 feet from the NORTH line and 330 feet from the EAST line

Section 23 Township 19-S Range 38-E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,597' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF I

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

DOWNHOLE COMMINGLE ☐

CLOSED-LOOP SYSTEM ☐

OTHER: ☐

INT TO PA

P&A NR

P&A R

Pm X

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

P AND A X

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. 8 5/8" 24# @ 1,723' TOC SURF, 5 1/2" 17 & 20# @ 7,800' TOC SURF.

PERFS 7,018'-7,653'. CIBP's @ 6,960' TOC @ 6,923'.

05/21-22/1616 MOVE IN RIG & CMT EQUIPMENT, RIH & TAG CIBP @ 6,837', CIR W/ SWG, MIX & SPOT 110 SX CL "C" CMT FROM 6,937'-5,771'. WOC OVER NIGHT.

05/23/16 TAG @ 5,994', TEST 600 PSI GOOD, MIX & SPOT 165 SX CL "C" CMT FROM 5,603'-3,931', MIX & SPOT 60 SX CL "C" CMT FROM 3,000'-2,392', MIX & SPOT 30 SX CL "C" CMT FROM 1,773'-1,469', WOC & TAG @ 1,450'. MARK WHITAKER W. NMOCD OK TO PROCEED.

05/24/16 MIX & CIR 60 SX CL "C" CEMENT FROM 300' BACK TO SURFACE. CUT ALL CASING & ANCHORS & REMOVED 3' BELOW GRADE. WELD ON DRY HOLE MARKER. CLEAN LOCATION.

ALL CEMENT PLUGS CLASS "C", W/ CLOSED LOOP SYSTEM USED.

Spud Date:

Rig Release Date:

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

SIGNATURE

TITLE Agent for Chevron U.S.A.

DATE 05/26/16

Type or print name

Monty L. McCarver

E-mail address: monty.mccarver@cjes.com

PHONE: 713-325-6288

For State Use Only

APPROVED BY:

Monty L. McCarver

TITLE

P.E.S.

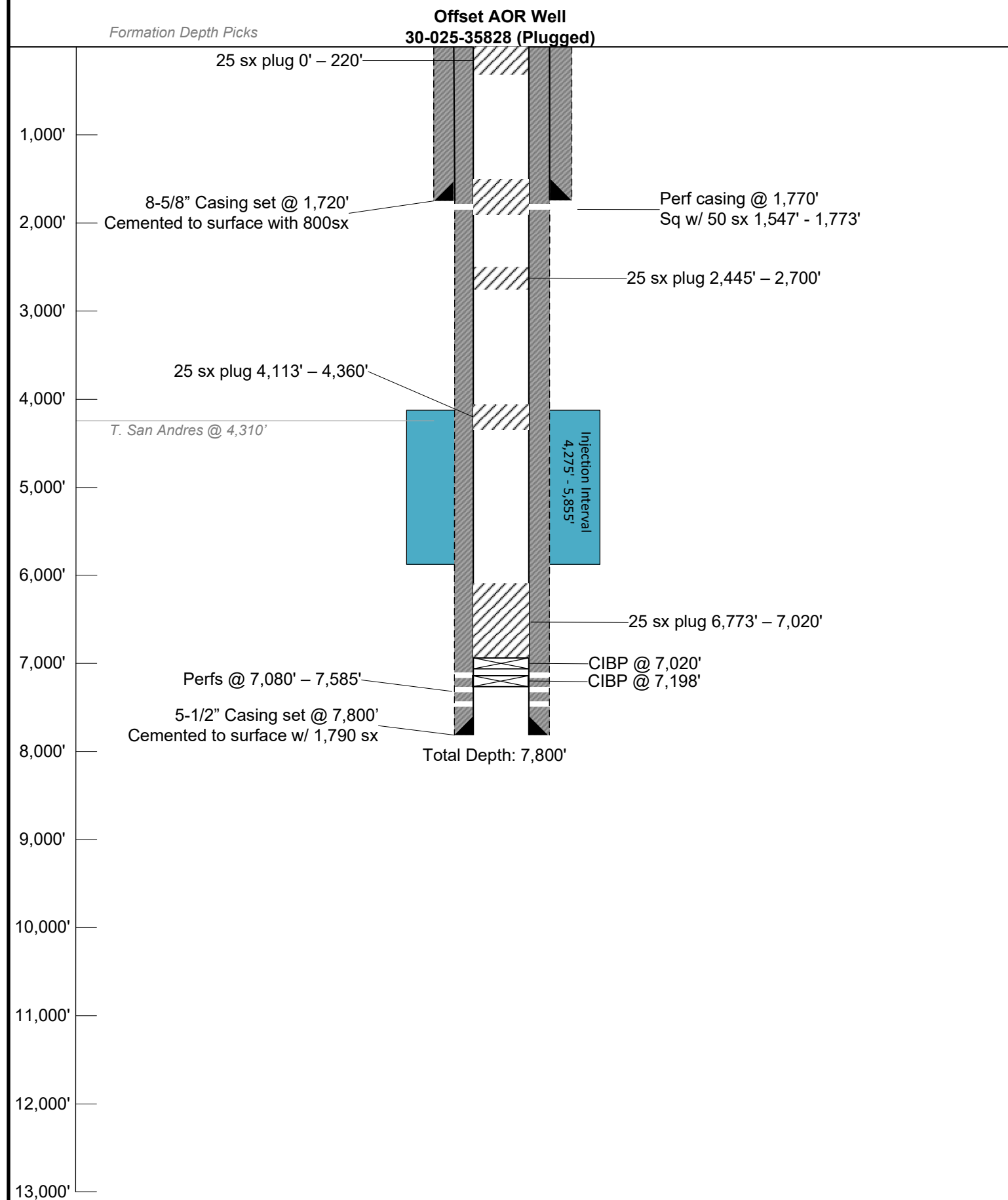
DATE

5/31/2016

Conditions of Approval (if any):

AOR Wellbore Diagram (30-025-35828)

Injection Interval: San Andres & Glorieta @ 4,275' – 5,855'



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
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

30-025-35828

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

WELL API NO.
30-025-35828

Indicate Type of Lease
STATE ☐ FEE ☒

State Oil & Gas Lease No.
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.)

Lease Name or Unit Agreement Name
Ruby

Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER

Name of Operator
Trilogy Operating, Inc.

Well No.
2

Address of Operator
P.O. Box 7606, Midland, Texas 79708

Pool name or Wildcat
Nadine; Drinkard-Abo

Well Location
Unit Letter K : 2310 Feet From The South Line and 1650 Feet From The West Line
Section 24 Township 19S Range 38E NMPM Lea County

Elevation (Show whether DF, RKB, RT, GR, etc.)
3587 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 ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

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

3/04/02 - Spud 12 1/4" hole w/ fresh water mud @ 10:30 PM CST

3/07/02 - TD surface hole @ 1720', RIH w/ 38 jts - 8 5/8" - 24# - J55 casing, 1727' set @ 1720', cement w/ lead - 600 sx class "C" + 2% Cacl2 + 4% gel, tail - 200 sx class "C" + 2% Cacl2 - circulated 220 sx cement @ surface - WOC 24 hrs

3/21/02 - 3/23/02 - Core Drinkard Formation from 7016' - 7133' w/ 100% recovery

3/25/02 - 3/27/02 - Core Abo Formation from 7440' - 7620' w/ 100% recovery

3/29/02 - TD 7 7/8" hole @ 7800' - Run open hole logs and decide to run 5 1/2" csg

3/31/02 - RIH w/ 189 jts of 5 1/2" - 17# - J55 & N80 casing, 7803' set @ 7800' - cement w/ lead - 1000 sx class "C" (6535.6) + 0.4% FL42 + 5% salt + 0.25 pps celloflake, tail w/ 790 sx class "H" + 0.5% FL25 - circulate 27-sx cement to surface

4/02/02 - RDMO drilling Rig - prepare to begin completion

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

SIGNATURE Michael G. Mooney TITLE Petroleum Engineer

DATE 04-08-02

TYPE OR PRINT NAME Michael G. Mooney

TELEPHONE NO. 915/686-2027

(This space for State Use)

APPROVED BY

TITLE PAUL F. KAUTZ

DATE

CONDITIONS OF APPROVAL, IF ANY:

PETROLEUM ENGINEER

APR 12 2002

to Appropriate
Office
lease - 6 copies
lease - 5 copies
ICT I
Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

30-025-35828

WELL API NO. 30-025-35828
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

RICT II
Drawer DD, Artesia, NM 88210

RICT III
Box 1980, Hobbs, NM 88240

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. 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 Ruby
1. 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 _____	

2. Name of Operator Trilogy Operating, Inc	8. Well No. 2
3. Address of Operator P.O. Box 7606, Midland, Texas 79708	9. Pool name or Wildcat Nadine : Drinkard-Abo

4. Well Location Unit Letter <u>K</u> : <u>2310</u> Feet From The <u>South</u> Line and <u>1650</u> Feet From The <u>West</u> Line			
Section <u>24</u>	Township <u>19S</u>	Range <u>38</u>	NMPM <u>Lea</u> County

10. Date Spudded 03/04/02	11. Date T.D. Reached 03/31/02	12. Date Compl. (Ready to Prod.) 04/11/02	13. Elevations (DF & RKB, RT, GR, etc.) 3587 GR	14. Elev. Casinghead 3587
15. Total Depth 7800	16. Plug Back T.D. 7150	17. If Multiple Compl. How Many Zones? No	18. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools	

19. Producing Interval(s), of this completion - Top, Bottom, Name 7080'-7092' , 7096'-7100' , 7104'-7140' - Drinkard	20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run DLL, FMI, CNL	22. Was Well Cored Yes

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	1720	12 1/4	800 sx class "C"	0
5 1/2	17	7800	7 7/8	1790 sx Class "C" & "H"	0

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	7145	N/A

26. Perforation record (interval, size, and number) 7428' - 7585' - Abo - 0.42" - 130 holes 7080' - 7140' - Drinkard - 0.42" - 56 holes	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	7428-7585	9000 gals 20% NEFE - PPI
	7080' - 7140'	4000 gals 20% NEFE
80,000 # 16/30 + 60,000 gals Xlink		

28. PRODUCTION							
Date First Production 04/11/02		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod	
Date of Test 06/24/02	Hours Tested 24	Choke Size 40/64	Prod'n For Test Period	Oil - BbL. 22	Gas - MCF 1508	Water - BbL. 40	Gas - Oil Ratio 68545
Flow Tubing Press. 250	Casing Pressure 600	Calculated 24-Hour Rate	Oil - BbL. 22	Gas - MCF 1508	Water - BbL. 40	Oil Gravity - API - (Corr.) 40.2	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold - Dynegy	Test Witnessed By Donny Money
---	----------------------------------

30. List Attachments Logs, Deviation Survey, C-104

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 [Signature] Printed Name Michael G. Mooney Title Engineer Date 06/27/02

INSTRUCTIONS

30-025-35828

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 specific 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

T. Salt

B. Salt

T. Yates

T. 7 Rivers

T. Queen

T. Grayburg

T. San Andres

T. Glorieta

T. Paddock

T. Blinebry

T. Tubb

T. Drinkard

T. Abo

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

2820.0

3050.0

4310.0

5564.0

6058.0

6575.0

6951.0

7194.0

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

OIL OR GAS SANDS OR ZONES

No. 1, from 7428

No. 2, from 7080

to 7585

to 7140

No. 3, from

No. 4, from

to

to

IMPORTANT WATER SANDS

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

No. 1, from

No. 2, from

No. 3, from

to

to

to

feet

feet

feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0.0	1655.0	1655.0	Redbed , anhydrite				
1656.0	2820.0	1164.0	Salt , anhydrite				
2821.0	3050.0	179.0	Sand, anhydrite				
3051.0	6575.0	3524.0	sand & dolomite				
6576.0	7800.0	1224.0	Dolomite & Limestone				

Submit 3 Copies
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

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

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

30-025-35828

WELL API NO. 30-025-35828
Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
State Oil & Gas Lease No.
Lease Name or Unit Agreement Name Ruby
Well No. 2
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.)	
Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	
Name of Operator Trilogy Operating, Inc	
Address of Operator P.O. Box 7606, Midland, Texas 79708	
Well Location Unit Letter <u>K</u> : <u>2310</u> Feet From The <u>South</u> Line and <u>1650</u> Feet From The <u>West</u> Line Section <u>24</u> Township <u>19S</u> Range <u>38E</u> NMPM <u>Lea</u> County	
Elevation (Show whether DF, RKB, RT, GR, etc.) 3587 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: ☒

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.

4/11/02 - Perforate Lower Abo from 7428' - 7585' - 100 holes, acidize w/ 9000 gals 20% NEFE using PPI tool
4/19/02 - Swab test Abo - very poor production, 3 BOPD + 25 MCFD + 8 BWPD - prepare to abandon
4/22/02 - Perforate Drinkard from 7080'-7092, 7096' - 7100', 7104' - 7410' - total 56 holes, set CIBP @ 7198'
4/23/02 - Acidize Drinkrd Perfs w/ 1500 gals 15% NEFE @ 1 1/2 bpm to check for water - swab back strong gas w/ some oil
4/24/02 - Put well on pump to test Drinkard
5/14/02 - Drinkard making 6 BOPD + 100 MCFD + 12 BWPD - no water problems, reacidize w/ 4000 gals 20% NEFE
5/15/02 - Test on pump to check for water flow
6/11/02 - Drinkard producing 11 BOPD + 125 MCFD + 12 BWPD, decide to frac Drinkard, set CIBP @ 7050' to control frac
6/12/02 - Frac Drinkard w/ 80,000# 16/30 Ottawa Sand + 60,000 gals gel @ 20 bpm down csg
6/22/02 - Drinkard flowing w/ FTP=525 psi on 40/64" choke - 30 BOPD + 1520 MCFD + 44 BWPD

PREPARE TO POTENTIAL WELL

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

SIGNATURE Michael G. Mooney TITLE Engineer DATE 06-23-02
TYPE OR PRINT NAME Michael G. Mooney TELEPHONE NO. 915/ 686-2027

(This space for State Use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

ORIGINAL SIGNED BY
GARRIE W. WINK
DATE

JUN 27 2002

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

30-025-35828

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. 30-025-35828
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 Legacy Reserves Operating LP		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 10848, Midland, TX 79702		7. Lease Name or Unit Agreement Name Ruby
4. Well Location Unit Letter K : 2310 feet from the S line and 1650 feet from the W line Section 24 Township 19S Range 38E NMPM County Lea		8. Well Number #2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3587' GR		9. OGRID Number 240974
		10. Pool name or Wildcat Nadine; Drinkard-Abo

12. 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"/>	P AND A <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	PNR <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	


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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

01/15/21 MIRU plugging equipment. 01/18/21 POH w/ rods & pump. Dug out cellar. ND well head, NU BOP. RIH w/ 5 1/2" CIBP @ 7020'. 01/19/21 Set 5 1/2" CIBP @ 7020'. Circ'd hole w/ MLF. Pressure tested csg, held 500 PSI. Spotted 25 sx class C cmt @ 7020-6773'. Spotted 25 sx class C cmt @ 4360-4113'. Spotted 25 sx class C cmt @ 2700-2453'. WOC. Tagged plug @ 2445'. Perf'd csg @ 1770'. Sqz'd 50 sx class C cmt @ 1770-1570'. 01/20/21 Tagged plug @ 1547'. Spotted 25 sx class C cmt @ 220' & circulated to surface. Rigged down. 01/21/21 Moved in backhoe and welder, Cut off well head and stopped due to needing more cement. 01/22/21 Topped off well with cmt to surface. Kerry Fortner approved cmt. Installed Under Ground Dry Hole Marker, backfilled cellar, cut off deadmen, cleaned location, & moved off.

Spud Date:

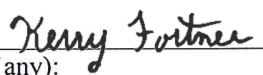
Rig Release Date:

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

SIGNATURE  TITLE Compliance Coordinator DATE 1/29/2021

Type or print name Melanie Reyes E-mail address: mreyes@legacyreserves.com PHONE: (432) 221-6358

For State Use Only

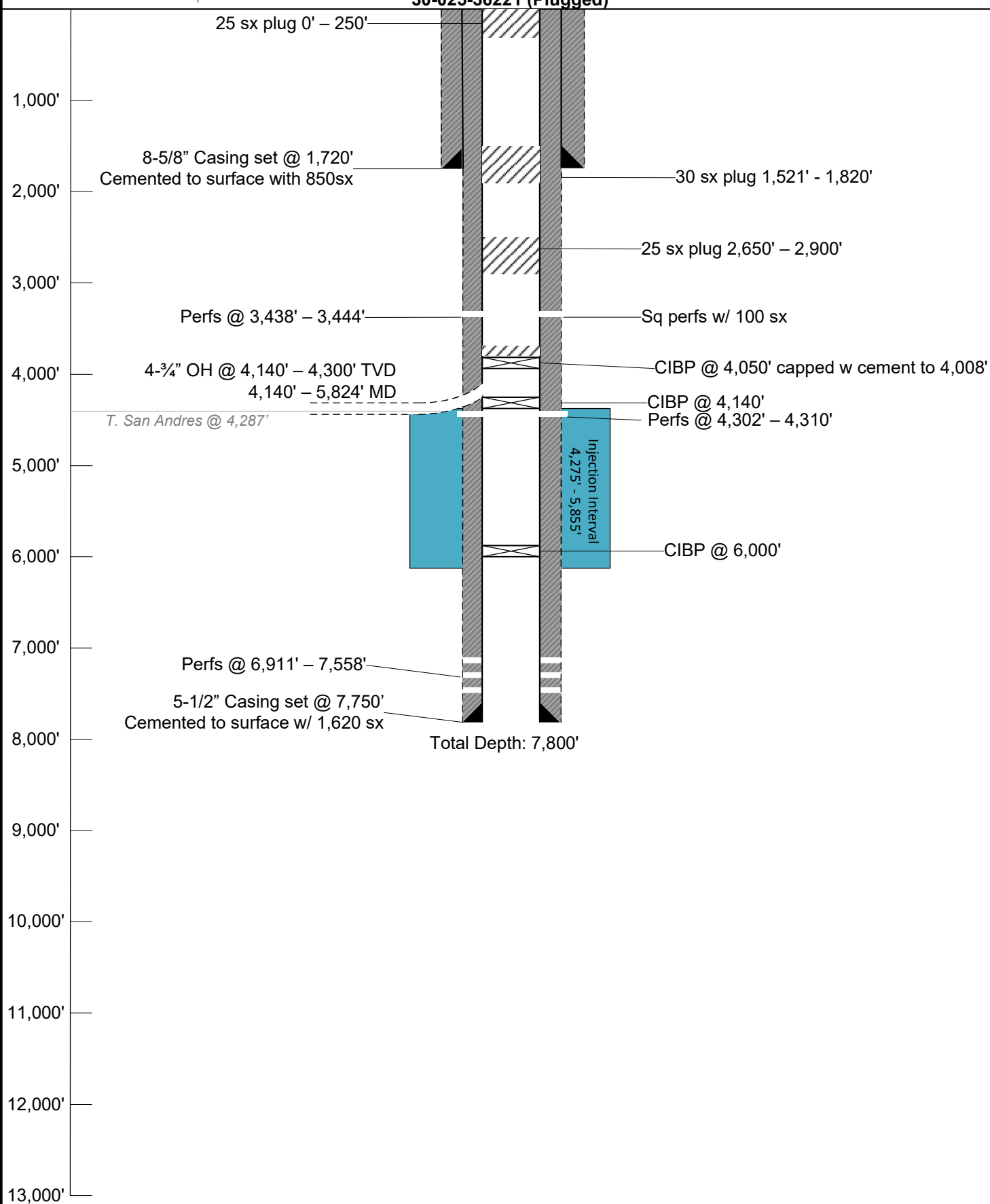
APPROVED BY:  TITLE Compliance Officer A DATE 2/11/21

Conditions of Approval (if any):

AOR Wellbore Diagram (30-025-36221)

Injection Interval: San Andres & Glorieta @ 4,275' – 5,855'

Formation Depth Picks

**Offset AOR Well
30-025-36221 (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
Energy, 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

2040 Pacheco St.
Santa Fe, NM 87505

30-025-36221

WELL API NO. 30-025-36221
Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
State Oil & Gas Lease No. N/A
Lease Name or Unit Agreement Name Diamond
Well No. 3
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.)	
Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
Name of Operator Trilogy Operating, Inc	Well No. 3
Address of Operator P.O. Box 7606, Midland Texas 79708	Pool name or Wildcat Nadine : Drinkard-Abo
Well Location Unit Letter <u>D</u> : <u>990</u> Feet From The <u>North</u> Line and <u>760</u> Feet From The <u>West</u> Line Section <u>24</u> Township <u>19S</u> Range <u>38E</u> NMPM <u>Lea</u> County	
Elevation (Show whether DF, RKB, RT, GR, etc.) 3599 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: ☐

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.

3/18/03 - Spud well w/ 12 1/4" bit & fresh water mud @ 9:00 PM MST

3/20/03 - TD 12 1/4" hole @ 1720', RIH w/ 56 jts 8 5/8"-24# J55 csg to a setting depth of 1714'
 Cement w/ 650 sx Poz c (55:35) + 6 % gel + 2% Cacl2 + 1/4#/sx celloflake + 200 sx class c + 2% Cacl2 (circulated 102 sx)

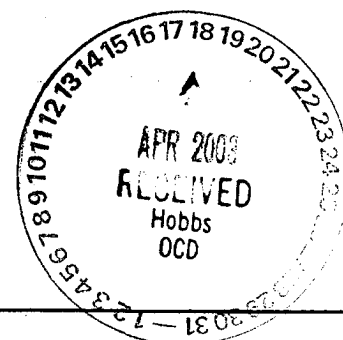
3/22/03 - Test BOP's to 3000 psi, Start drilling 7 7/8" hole using brine water mud

3/25/03 - DST San Andres Fromation from 4304' - 4320'

4/09/03 - TD 7 7/8" hole @ 7750' - run open hole logs and decide to run casing

4/10/03 - RIH w/ 191 jts - 5 1/2" - 17# & 20# - N80 csg (7764') set @ 7750'
 Cement w/ 920 sx poz c (65:35) + 6% gel + 5% salt + 4/10% FL-62 + 1/4 #/sx celloflake
 tail w/ 700 sx class "H" + 5% FL-25, circulated 131 sx cement to surface

4/11/03 - RD drilling rig, wait on completion



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

SIGNATURE

TITLE Engineer

DATE 04-14-03

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY

OC FIELD REPRESENTATIVE II/STAFF MANAGER

DATE

CONDITIONS OF APPROVAL, IF ANY:

APR 18 2003

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

2040 Pacheco St.
Santa Fe, NM 87505

Form C-105
Revised 1-1-89

30-025-36221

WELL API NO.
30-025-36221

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.
N/A

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____
b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____

7. Lease Name or Unit Agreement Name

Diamond

2. Name of Operator
Trilogy Operating, Inc

8. Well No.
3

3. Address of Operator
P.O. Box 7606, Midland Texas 79708

9. Pool name or Wildcat
Nadine: Drinkard-Abo

4. Well Location
Unit Letter D : 990 Feet From The North Line and 760 Feet From The West Corner
Section 24 Township 19S Range 38E NMPM Lea County

10. Date Spudded 03/18/2003 11. Date T.D. Reached 04/09/2003 12. Date Compl. (Ready to Prod.) 05/16/2003 13. Elevations (DF & RKB, RT, GR, etc.) 3599 GR 14. Elev. Casinghead 3599

15. Total Depth 7750 16. Plug Back T.D. 7685 17. If Multiple Compl. How Many Zones? N/A 18. Intervals Drilled By Rotary Tools ☒ Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 6991' - 7064', Drinkard 20. Was Directional Survey Made Yes

21. Type Electric and Other Logs Run CNL & DLL 22. 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
8 5/8	24	1720	12 1/4	850 sx "C"	0
5 1/2	17 & 20	7750	7 7/8	920 sx "C" + 700 sx "H"	0

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8	7500
						N/A

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
6991'-7003', 7027'-7030', 7034'-7037', 7043'-7050', 7052'-7058', 7062'-7064', total 66 holes, 2 spf, 0.42" holes	DEPTH INTERVAL
	AMOUNT AND KIND MATERIAL USED
	6991'-7064'
	2500 gals 15% NEFE Acid
	128,000# 16/30 Ottawa sand + 77,000 gals Xlink (Borate) gel

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)		
05/16/2003	Pumping - 2 1/2" x 1 1/2" x 20' RHBC insert pump				Prod		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - BbL.	Gas - MCF	Water - BbL.	Gas - Oil Ratio
06/06/2003	24	N/A		33	68	128	2060
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - BbL.	Gas - MCF	Water - BbL.	Oil Gravity - API - (Corr.)	
N/A	40		33	68	128	36.8	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold - Dynegy Test Witnessed By Donny Money

30. List Attachments
Deviation survey, electric logs, C-104

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 Michael G. Mooney Printed Name Michael G. Mooney Title Engineer Date 06/08/2003

INSTRUCTIONS **30-025-36221**

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 specific 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 _____	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 _____ 3054.0	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 _____ 4287.0	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 5562.0	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____ 6063.0	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____ 6590.0	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____ 6734.0	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____ 7210.0	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

Northwestern New Mexico

OIL OR GAS SANDS OR ZONES

No. 1, from 6734 to 7060
No. 2, from 7350 to 7550
No. 3, from to
No. 4, 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

LITHOLOGY RECORD (Attach additional sheet if necessary)[illegible]

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

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

30-025-36221

WELL API NO. 30-025-36221
Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
State Oil & Gas Lease No. N/A
Lease Name or Unit Agreement Name Diamond
Well No. 3
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 Trilogy Operating, Inc	
3. Address of Operator P.O. Box 7606, Midland Texas 79708	
4. Well Location Unit Letter <u>D</u> : <u>990</u> Feet From The <u>North</u> Line and <u>760</u> Feet From The <u>West</u> Line Section <u>24</u> Township <u>19S</u> Range <u>38E</u> NMPM <u>Lea</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3599 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:

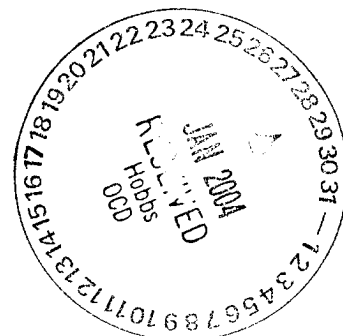
REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ PLUG AND ANBANDONMENT ☐
 CASING TEST AND CEMENT JOB ☐
 OTHER: Abo Completion ☒

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.

11/8/03 - Add perforations from the Abo Formation as follows, 7386'-7390', 7396'-7400', 7428'-7430', 7434'-7438', 7464'-7468', 7482'-7486', 7496'-7500', 7510'-7516', 7524'-7528', 7558'-7558' w/ 1 spf = 52 holes - acidize w/ 2500 gals 15% HCL

11/20/03 - Swab back load & put well in production

12/20/03 - Production test @ 12 BOPD + 48 BWPD + 96 MCFD from Drinkard-Abo Field



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

SIGNATURE Michael G. Mooney TITLE Engineer DATE 01-18-2004
 TYPE OR PRINT NAME Michael G. Mooney TELEPHONE NO. 915/ 686-2027

(This space for State Use)

APPROVED BY Harry W. Wink FIELD REPRESENTATIVE / STAFF MANAGER
 CONDITIONS OF APPROVAL, IF ANY DATE JAN 30 2004

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

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

30-025-36221

WELL API NO. 30-025-36221
Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
State Oil & Gas Lease No. N/A
Lease Name or Unit Agreement Name Diamond
Well No. 3
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	
2 Name of Operator Trilogy Operating, Inc	
3 Address of Operator P.O. Box 7606, Midland Texas 79708	
4 Well Location Unit Letter <u>D</u> : <u>990</u> Feet From The <u>North</u> Line and <u>760</u> Feet From The <u>West</u> Line Section <u>24</u> Township <u>19S</u> Range <u>38E</u> NMPM <u>Lea</u> County	
10 Elevation (Show whether DF, RKB, RT, GR, etc.) 3599 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: Drinkard Completion ☒

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.

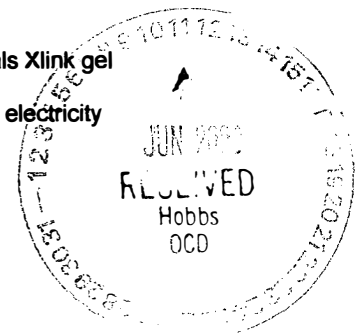
5/07/03 - MIRU pulling unit - start completion, perforate Drinkard Formation from 6991'-7003', 7027'-7030', 7034'-7037', 7043'-7050' 7052'-7058', 7062'-7064' total of 66 holes @ 2 spf, RIH w/ pkr & tbq

5/08/03 - Acidize w/ 2500 gals 15% NEFE, swab back acid load w/ good oil & gas shows

5/12/03 - Frac Drinkard down 5 1/2" csg @ 20 bpm 4800 psi w/ 128,000# 16/30 Ottawa sand + 77,000 gals Xlink gel

5/16/03 - Well will not flow, run rods & pump - 826 bbls of load remaing to be recovered from frac, wait on electricity

6/03/03 - Well pumping 30 BOPD + 128 BWPD + 60 MCFD, prepare to do potential



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

SIGNATURE Michael G. Mooney TITLE Engineer DATE 06-08-2003

TYPE OR PRINT NAME Michael G. Mooney TELEPHONE NO. 915/ 686-2027

(This space for State Use)

APPROVED BY Larry W. Wink OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE JUN 17 2003

CONDITIONS OF APPROVAL IF ANY:

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
30-025-36221

WELL API NO.

30-025-36221

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Diamond

8. Well Number

9. OGRID Number

021602

10. Pool name or Wildcat

Wildcat San Andres (97353)

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

Trilogy Operating, Inc.

3. Address of Operator

P.O. Box 7606 Midland, Tx. 79708

4. Well Location

Unit Letter D : 990 feet from the North line and 760 feet from the West line
Section 24 Township 19S Range 38E NMPM County Lea

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

3599 GR

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: Horizontal ☒

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.

12/14/04 MIRU Key #482 Horizontal Drilling Rig
12/15/04 Set CIBP @ 4140 and set whipstock
12/16/04 Cut window inside 5½ casing at 4140-4149
12/18/04 Build angle from 4140'-4467'; go horizontal @ TVD of 4300'
12/21/04 Unable to stay in pay zone; PB with 120 sx cement
12/27/04 Kick off with new lateral @ 4302'; TVD of 4263'
12/31/04 Finish lateral (see attached survey report) Spot 1400 gals 15% NEFE acid in lateral; POH and RD horizontal rig
1/5/05 RIH with PKR and TBG breakdown San Andres formation
1/6/05 RIH with production equipment to test San Andres lateral

03/17/04
03/17/04
03/17/04

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 President

DATE 1/11/05

Type or print name Jerry A Weant

E-mail address:

Telephone No. 432/686-2027

For State Use Only

APPROVED BY:

TITLE

PETROLEUM ENGINEER

DATE

Conditions of Approval (if any):

JAN 21 2005

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

2040 Pacheco St.
Santa Fe, NM 87505

30-025-36221

Form C-105
Revised 1-1-89

WELL API NO. 30-025-36221
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. N/A

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 Diamond
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"/>	
2. Name of Operator Trilogy Operating, Inc	8. Well No. 3
3. Address of Operator P.O. Box 7606, Midland Texas 79708	9. Pool name or Wildcat Wildcat : San Andres

4. Well Location Unit Letter <u>D</u> : <u>990</u> Feet From The <u>North</u> Line and <u>760</u> Feet From The <u>West</u> Line Section <u>24</u> Township <u>19S</u> Range <u>38E</u> NMPM Lea County

10. Date Spudded 03/18/2003	11. Date T.D. Reached 04/09/2003	12. Date Compl. (Ready to Prod.) 04/01/2004	13. Elevations (DF & RKB, RT, GR, etc.) 3599 GR	14. Elev. Casinghead 3599
15. Total Depth 7750	16. Plug Back T.D. 6000	17. If Multiple Compl. How Many Zones? N/A	18. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/>	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 4302'-4310' - San Andres				20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run CNL & DLL - ON FILE				22. 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
8 5/8	24	1720	12 1/4	850 sx "C"	0
5 1/2	17 & 20	7750	7 7/8	920 sx "C" + 700 sx "H"	0

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8	7500
						PACKER SET
						N/A

26. Perforation record (interval, size, and number) 4302' - 4310' , 4 spf = 32 holes 0.45" diameter	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 4302'-4310' AMOUNT AND KIND MATERIAL USED 2000 gals 15% Anti-Sludge Acid
---	---

28. PRODUCTION							
Date First Production 04/01/2004	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - 2 1/2" x 1 1/2" x 20' RHBC insert pump				Well Status (Prod. or Shut-in) Prod		
Date of Test 04/01/2004	Hours Tested 24	Choke Size N/A	Prod'n For Test Period	Oil - Bbl. 20	Gas - MCF 56	Water - Bbl. 92	Gas - Oil Ratio 2800
Flow Tubing Press. N/A	Casing Pressure 40	Calculated 24-Hour Rate	Oil - Bbl. 20	Gas - MCF 56	Water - Bbl. 92	Oil Gravity - API - (Corr.) 33.8	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold - Dynegy	Test Witnessed By Steve Alagar
---	-----------------------------------

30. List Attachments C-104

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 Michael G. Mooney Printed Name Michael G. Mooney Title Engineer Date 04/02/2004

INSTRUCTIONS

30-025-36221

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 specific 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 _____	T. Canyon _____
T. Salt _____	T. Strawn _____
B. Salt _____	T. Atoka _____
T. Yates _____	T. Miss _____
T. 7 Rivers _____ 3054.0	T. Devonian _____
T. Queen _____	T. Silurian _____
T. Grayburg _____	T. Montoya _____
T. San Andres _____ 4287.0	T. Simpson _____
T. Glorieta _____ 5562.0	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinebry _____ 6063.0	T. Gr. Wash _____
T. Tubb _____ 6590.0	T. Delaware Sand _____
T. Drinkard _____ 6734.0	T. Bone Springs _____
T. Abo _____ 7210.0	T. _____
T. Wolfcamp _____	T. _____
T. Penn _____	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 6734 to 7060
No. 2, from 7350 to 7550
No. 3, from to
No. 4, 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

LITHOLOGY RECORD (Attach additional sheet if necessary)[illegible]

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

30-025-36221

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

WELL API NO. 30-025-36221
Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
State Oil & Gas Lease No. N/A
Lease Name or Unit Agreement Name Diamond
Well No. 3
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.)	
Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	
Name of Operator Trilogy Operating, Inc	
Address of Operator P.O. Box 7606, Midland Texas 79708	
Well Location Unit Letter <u>D</u> : <u>990</u> Feet From The <u>No rth</u> Line and <u>760</u> Feet From The <u>West</u> Line Section <u>24</u> Township <u>19S</u> Range <u>38E</u> NMPM <u>Lea</u> County	
Elevation (Show whether DF, RKB, RT, GR, etc.) 3599 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: San Andres Completion ☒

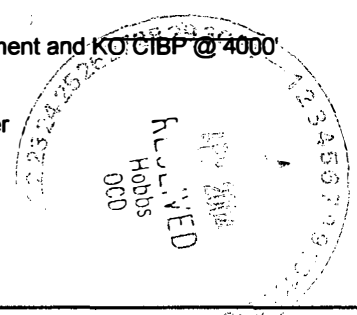
Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2/01/04 - MIRU pulling unit, POH w/ tubulars - set CIBP @ 6000' to isolate Drinkard-Abo Formations, perforate San Andres from 4302'-4310' w/ 4 spf = 32 holes, acidize w/ 2000 gals 15% anti-sludge acid, swab back acid w/ 10% oil cut & recovering drilling mud - put on pump to test

2/29/04 - Set CIBP @ 4000', perforate Seven Rivers from 3428'-3444' w/ 2 spf = 32 holes, acidize w/ 2500 gals 15% NEFE, swab back load and swabbed dry, frac w/ 40,000# + 54,000 gals Xlink gel, put well on pump to recover load

3/10/04 - Squeeze off Seven Rivers w/ 100 sxs class "C" cement, walking squeeze to 2100 psi, drill out cement and KO CIBP @ 4000' Produce San Andres from 4302'-4310'

4/01/04 - Well is producing 20 BOPD + 92 BWPD + 56 MCFD - prepare to potential as San Andres Producer Sour crude - producing into seperate battery from Diamond # 1, # 2 & # 4



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

SIGNATURE Michael G. Mooney TITLE Engineer DATE 04-02-2004
 TYPE OR PRINT NAME Michael G. Mooney TELEPHONE NO. 915/ 686-2027

(This space for State Use)

APPROVED BY Larry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE APR 07 2004
 CONDITIONS OF APPROVAL, IF ANY:

2A Nadine Drinkard-Abo

Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
30-025-36221

Revised July 18, 2013

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. 30-025-36221
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 LEGACY RESERVES OPERATING LP		6. State Oil & Gas Lease No.
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name DIAMOND
4. Well Location Unit Letter <u>D</u> : <u>990</u> feet from the <u>NORTH</u> line and <u>760</u> feet from the <u>WEST</u> line Section <u>24</u> Township <u>19S</u> Range <u>38E</u> NMPM County <u>LEA</u>		8. Well Number <u>3</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3599' GL		9. OGRID Number 240974
		10. Pool name or Wildcat NADINE; SAN ANDRES, DRKD, ABO

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

E-PERMITTING <SWD INJECTION> P CONVERSION <u> </u> RBDMS <u> </u> T RETURN TO <u> </u> TA <u> </u> P CSNG <u> </u> ENVIRO <u> </u> CHG LOC <u> </u> C INT TO PA <u> </u> P&A <u> </u> P&A R <u> </u> C OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input checked="" type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
--	--

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

09/23/15 MIRU plugging equipment.

09/24/15 RU wellhead, NU BOP. Tagged PBTD @ 4008'. Circulated well w/ 80 bbls mud laden fluid @ 3987'. Pressure tested 5 1/2 csg, held 500 psi. Spotted 25 sx class C cmt @ 2900-2650'. POH w/ tbg.

09/25/15 Spotted 30 sx class C cement from 1820-1570'. POH w/ tbg, WOC. Tagged plug @ 1521'. POH w/ tbg. Pressure tested csg, held 800 psi. Perf'd csg @ 100'. Tried to established injection rate, pressure up on csg to 1300 psi. Spotted 25 sx class C cmt @ 250' to surface.

09/28/15 Rigged down and moved off.

09/30/15 Moved in backhoe and welder, dug out cellar, and cut off wellhead. Welded "Below ground Dry Hole Marker". Backfilled cellar, removed deadman. Cleaned location and moved off.

Installed Closed-Loop System with steel tanks. Hauled contents from Closed-Loop System to approved NMOCD disposal location according to Rule 19.15.17.

Spud Date:

Rig Release Date:

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

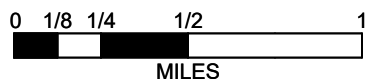
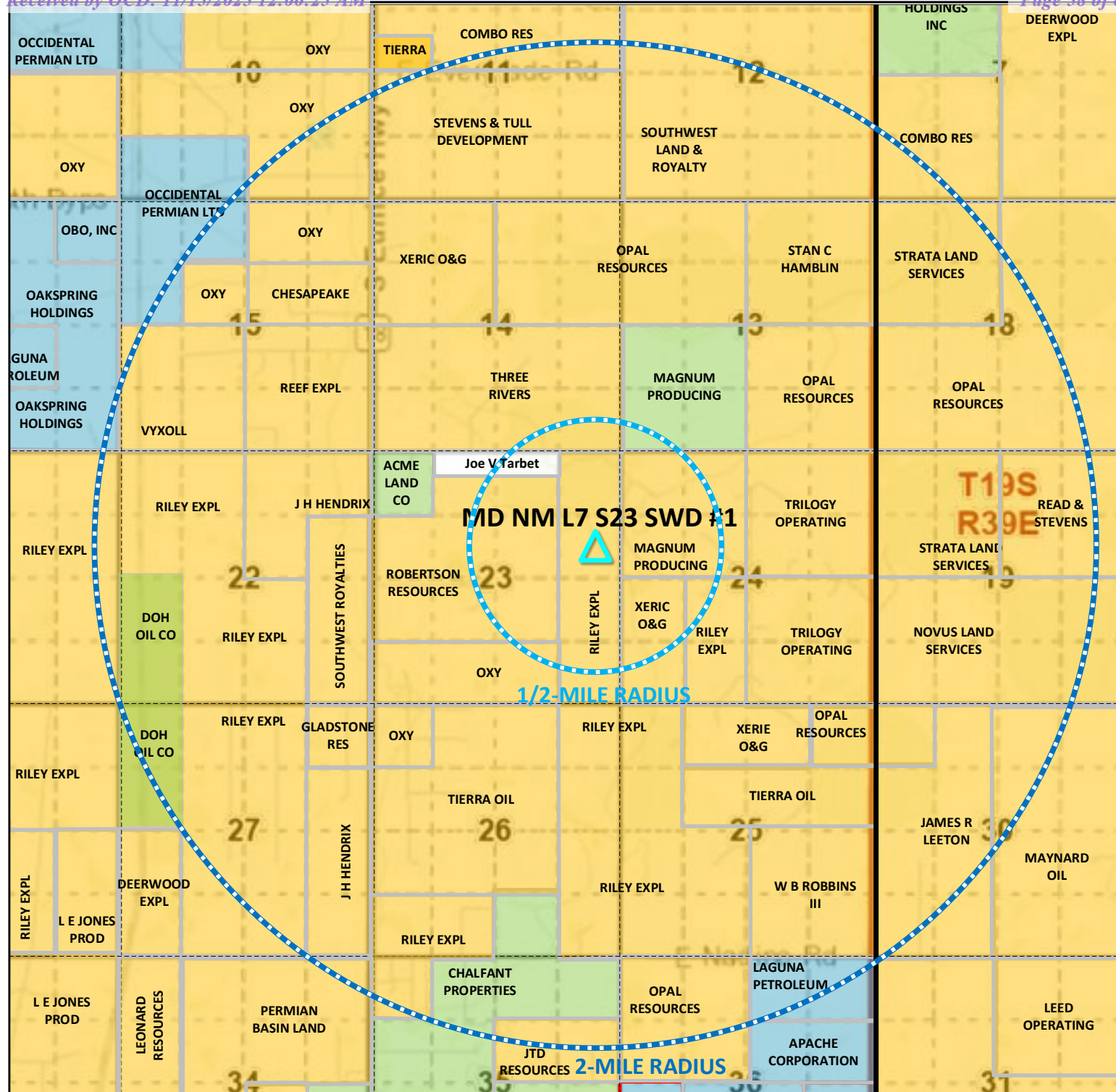
SIGNATURE Laura Pina TITLE COMPLIANCE COORDINATOR DATE 10/01/2015

Type or print name LAURA PINA E-mail address: lpina@legacylp.com PHONE: 432-689-5200

For State Use Only

APPROVED BY: Mary Brown TITLE Dist Supervisor DATE 10/5/2015
 Conditions of Approval (if any)

OCT 07 2015










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

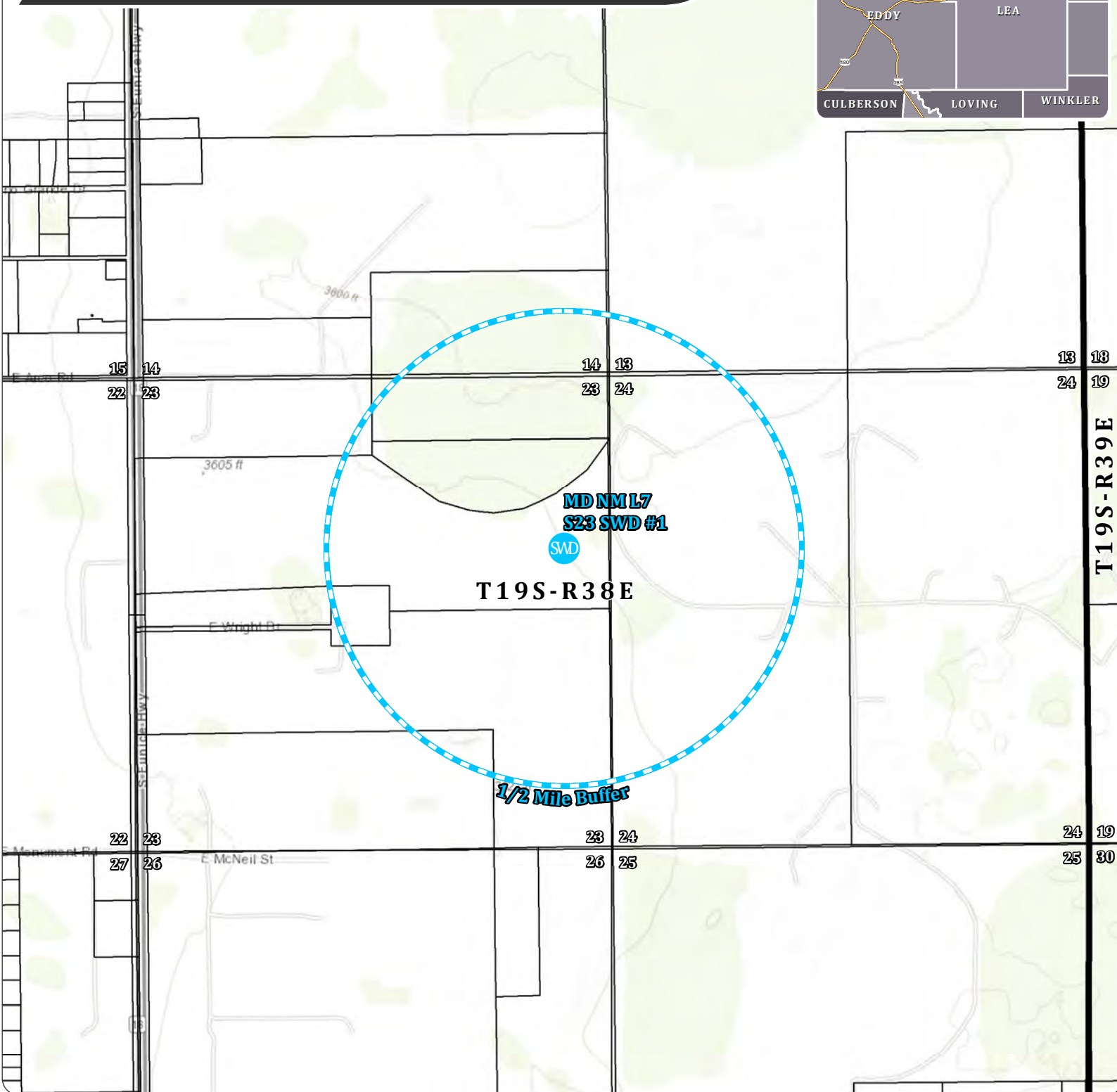
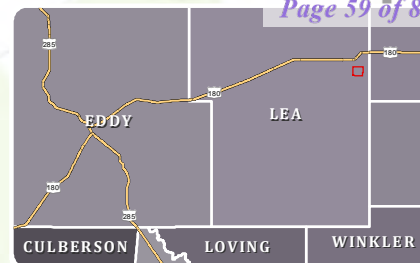
LEASEHOLDER MAP**MD NM L7 S23 SWD #1**

SECTION 23 T19S R38E

PREPARED FOR:
SOLARIS WATER MIDSTREAM, LLC


SURFACE OWNERSHIP MAP






SECTION 23, 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 L7 S23 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

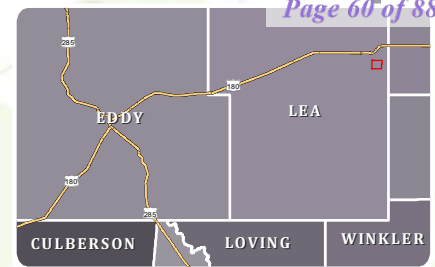
(432) 631-4738
info@coosaconsulting.com

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 23, 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 L7 S23 SWD #1**OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.**

Project Managed By:
ACE
Energy Advisors

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

Map Prepared By:



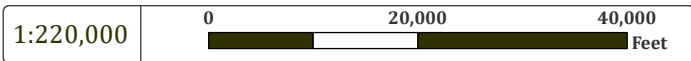
(432) 631-4738
info@coosaconsulting.com

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 23, TOWNSHIP 19 SOUTH, RANGE 38 EAST, LEA COUNTY, NEW MEXICO




Project Managed By:




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

Map Prepared By:



(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
-  Potash District

MD NM L7 S23 SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.



Attachment 3

Source Formation Water Analysis																							
Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgs	Ftgew	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


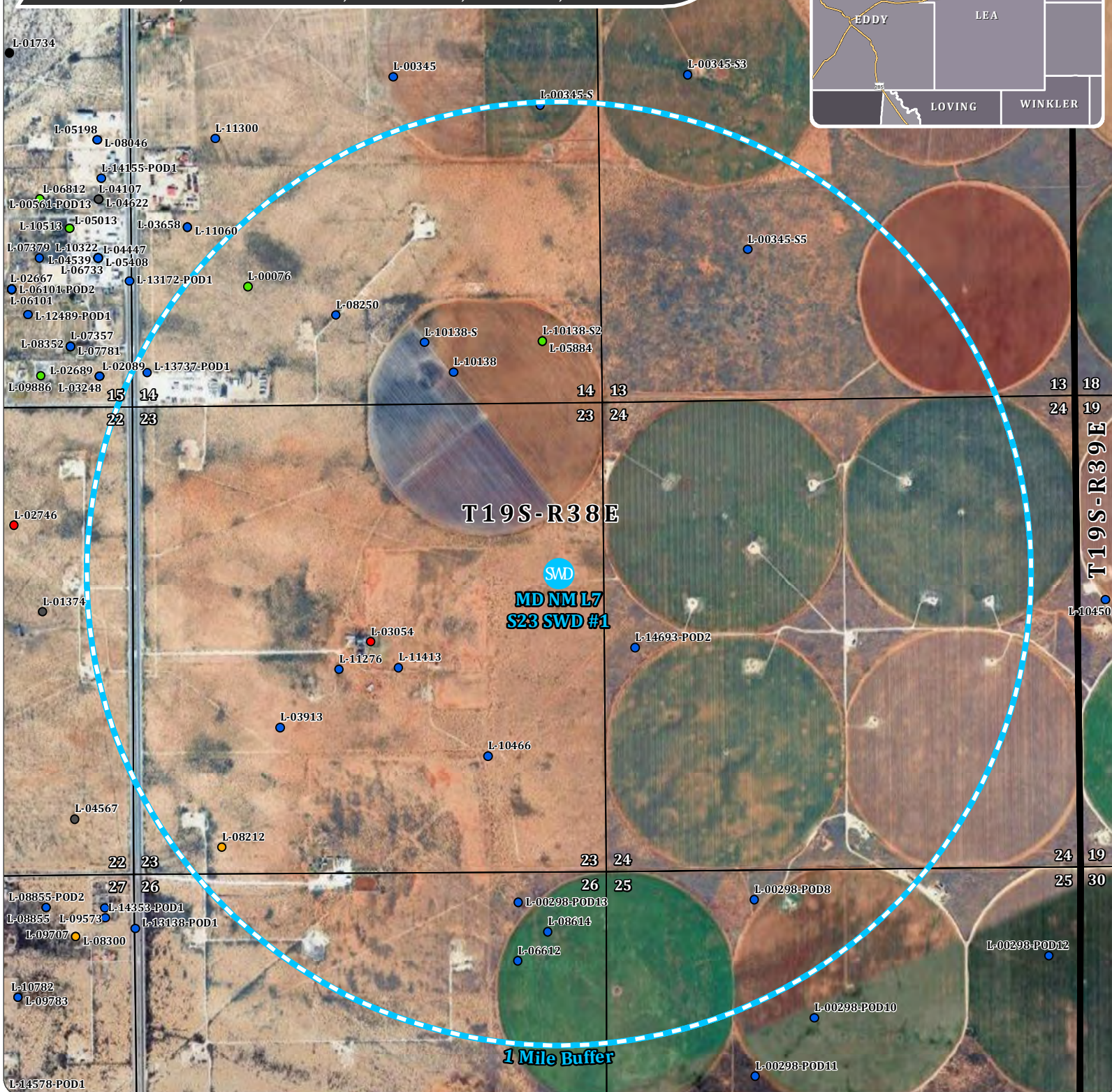
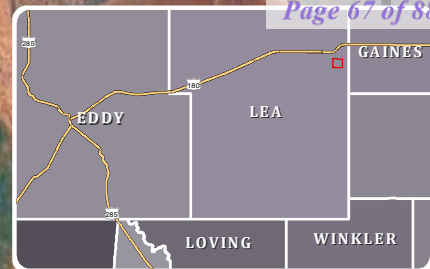
Attachment 4

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

SECTION 23, TOWNSHIP 19 SOUTH, RANGE 38 EAST, LEA COUNTY, NEW MEXICO



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

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.



(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



Rev: 0

Water Well Sampling Table							
Water Well ID	OSE Status	Owner	Available Contact Information	Use	Latitude	Longitude	Notes
L-00076	Pending	Frank Selman	Hobbs, NM	Irrigation	32.6566	-103.1235	Potential Sampling Candidate
L 00298 POD13	Active	Patricia T. Hoopes	P.o. Box 571 Jal, NM 88252	Irrigation	32.6375	-103.1139	Potential Sampling Candidate
L 00298 POD8	Active	S & H Enterprises	P.o. Box 6056 Hobbs, NM 88240	Irrigation	32.6375	-103.1053	Potential Sampling Candidate
L 00345 S5	Active	James A Selman	Star Route B Hobbs, NM	Irrigation	32.6575	-103.1053	Potential Sampling Candidate
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 03913	Active	Anna L Foster	Star Route A Hobbs, NM	Domestic	32.642993	-103.122462	Potential Sampling Candidate
L 05884	Pending	Charlie Jones	% Travis Jones Rt 1 Plains, TX 79355	Domestic	32.654788	-103.112759	Potential Sampling Candidate
L 06612	Active	Moran Oil Prod & Drilling Corp	Box 1919 Hobbs, NM 79705	Domestic	32.6357	-103.1139	Potential Sampling Candidate
L 08212	Capped	Kenai Oil & Gas Inc	C/o Corky Glenn Po Box 692 Tatum, NM 88	Prospecting	32.639328	-103.124628	Not suitable for sampling based on status & use
L 08250	Active	Wallen Productions	Box 1960 Midland, TX 79702	Livestock Watering	32.655659	-103.120268	Potential Sampling Candidate
L 08614	Active	Estate Of Millard Deck	Po Box 2260 Fort Worth, TX 76113	Livestock Watering	32.6366	-103.1128	Potential Sampling Candidate
L 10138	Active	Treva Brensing Farms Llc	1700 N. Waterfront Parkway, Suite A Wichita	Irrigation	32.653854	-103.11602	Potential Sampling Candidate
L 10138 S	Active	Mariethel Mcconal	Hobbs, NM	Irrigation	32.654781	-103.117056	Potential Sampling Candidate
L 10138 S2	Active	Treva Brensing Farms Llc	1700 N. Waterfront Parkway, Suite A Wichita	Irrigation	32.654788	-103.112759	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 11276	Active	Ted Ussery	5018 Eunice Hwy Hobbs, NM 88240	Domestic	32.644764	-103.120293	Potential Sampling Candidate
L 11413	Active	Bryan Ussery	5018 S. Eunice Hwy Hobbs, NM 88240	Domestic	32.644795	-103.118139	Potential Sampling Candidate
L-13737-POD1	Active	Four T Management Llc	Po Drawer 152, Eunice, LA 70535	Multiple Domestic	32.654	-103.1271	Potential Sampling Candidate
L 14693 POD2	Active	Schubert Construction Co	Po Box 6056 Hobbs, NM 88241	Monitoring	32.645333	-103.109527	Not suitable for sampling based on status



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,

A handwritten signature in black ink that reads "Celey D. Keene".

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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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 - 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



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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 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			

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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 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							
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LCS (4120614-BS1)

Prepared & Analyzed: 06-Dec-24

Sulfate	16.1	10.0	mg/L	20.0		80.4	80-120			
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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



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

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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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

[illegible]

Attachment 6



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

Re: Geology Statement
Solaris Water Midstream, LLC
MD NM L7 S23 SWD #1
Section 23, 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

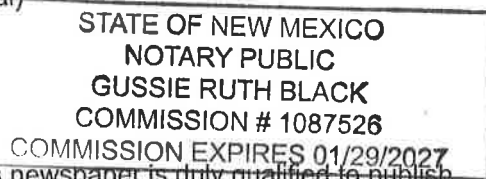
Sworn and subscribed to before me this
16th day of October 2025.



Business Manager

My commission expires
January 29, 2027

(Seal)



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 L7 S23 SWD #1. This will be a new well located 1,961' FNL & 545' FEL in Section 23 Township 19S Range 38E in Lea County, NM, which is approximately 3.4 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 4,275' - 5,855' at a maximum surface injection pressure of 855 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.
#00305255

67117907

00305255

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		
Bureau of Land Management	Oil and Gas Division 620 E Greene St. Carlsbad, NM 88220	10/31/2025
Joe V Tarbet	3801 95th St. Lubbock, TX 79423	10/31/2025
Leaseholders within 0.5-Mile AOR		
Three Rivers	1122 South Capital of Texas Highway Suite 325 Austin, TX 78746	10/31/2025
Magnum Producing	500 N Shoreline Blvd., Ste. 322 Corpus Christi, TX 78401	10/31/2025
Riley Exploration	2008 N Council Blanchard, OK 73010	10/31/2025
Xeric O&G	PO Box 7288 Odessa, TX 79760	10/31/2025
Oxy	PO Box 4294 Houston, TX 772104	10/31/2025
Robertson Resources	454 La Serena Loop Horseshoe Bay, TX 78657	10/31/2025
Well Operators within AOR		
Extex Operating Company	1616 S. Voss Road Suite 400 Houston, Tx 77057	10/31/2025

Nathan Alleman
Ace Energy Advisors
501 Se Fph Blvd Ste 201
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Houston TX 77024-1590

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Hobbs NM 88240-9273

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Oil&Gas Div.
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Carlsbad NM 88220-6292

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Lubbock TX 79423-3919

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Riley Exploration Op Co., LLC
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Blanchard OK 73010-8038

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Odessa TX 79760-7288

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Oxy
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Houston TX 77210-4294

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

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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/oed/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 526620

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 526620
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

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