

Incident ID	nAPP2300454499
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Rob Kirk

Title: VP & GM, HSE & Compliance

Signature: 

Date: 03/20/2023

email: rob.kirk@ariswater.com

Telephone: O 575- 300-5155 C 469-978-5620

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

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## Release Notification

### Responsible Party

Responsible Party	Solaris Water Midstream, LLC	OGRID
Contact Name	Rob Kirk	Contact Telephone O-432 -203 9020 C-469-978-5620
Contact email	rob.kirk@ariswater.com	Incident # (assigned by OCD)
Contact mailing address	3305 Boyd Drive, Carlsbad, NM 88220	

### Location of Release Source

Latitude 32.12179 Longitude -104.07259  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Lobo 285 SWD	Site Type	Inlet line
Date Release Discovered	01/03/2023	API# (if applicable)	30-015-43979

Unit Letter	Section	Township	Range	County
A	22	25 S	28 E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 250	Volume Recovered (bbls) 250
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release


A valve failed on a tank causing the release of produced water into secondary containment. All of the produced water was captured in secondary containment and removed and disposed. No produced water escaped secondary containment. The valve was replaced.

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<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

## Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____ Rob Kirk _____	Title: _VP & GM, HSE & Compliance_____
Signature: _____  _____	Date: ____01/04/2023_____
email: __rob.kirk@ariswater.com_____	Telephone: __C-469-978-5620_____
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____



January 26, 2023

Solaris Water Midstream LLC  
3305 Boyd Dr  
Carlsbad, NM 88220

Attn: New Mexico Oil Conservation District  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

Re: Notice of Liner Inspection  
Lobo 285 SWD #1  
NMCOD Incident Number:  
nAPP2300454499 32.12179 °,  
-104.07259°  
Eddy County, New Mexico  
Terracon Project No. KH237002

To Whom it May Concern:

On January 9, 2023, Terracon was requested by Solaris Water Midstream LLC (Solaris) to conduct a Liner Inspection associated with a release of a reportable quantity within the lined secondary containment at the Lobo 285 SWD #1 (nAPP230045449) site. The New Mexico Oil Conservation District (NMOCD) was notified of the release January 4, 2023, according to the submitted C-141 form. Terracon personnel were informed that a reportable release of 250 barrels (bbls) of produced water within secondary containment had taken place at the site and Solaris had recovered a total of 250 bbls. Surface ownership is held by private owners.

### **Regulatory Criteria**

The nearest groundwater elevation data was obtained from the New Mexico Office of the State Engineer (NMOSE) website indicated the depth to groundwater was measured to be present at 106 feet below grade surface (bgs). The well was located on the Lobo 285 SWD #1 site. Review of geospatial data obtained from the Bureau of Land Management (BLM) Carlsbad Field Office (CFO) website indicated that the site is within an area of medium risk for karst formations. Per New Mexico Administrative Code (NMAC) 19.15.29.12, remediation and closure criteria for a depth to groundwater of 51-100 feet was utilized for this release.

**Notice Documentation**

Lobo 285 SWD #1

Liner Inspection ■ Eddy County, New Mexico

January 26, 2023 ■ Terracon Project No. KH237002



**Remedial Activities**

On January 3, 2023, Solaris conducted recovery activities of the release, recovering 250 bbls of the 250 bbls released. Terracon mobilized to the site on January 19, 2023, to conduct an initial broad scope visual assessment and conduct the Liner Inspection.

**Conclusion**

In accordance with NMOCD 19.15.29.11.5a, the integrity of the battery containment liner is visually observed to be intact with no tears. Based on the volume of recovered fluids, lack of evidence of the release exiting the containment, and the observed integrity of the liner based on visual inspection, Solaris requests concurrence of closure of the Lobo 285 SWD #1 – incident number nAPP230045449.

Should you have any questions, please contact the undersigned at (806) 507-7057.

Sincerely,

**Terracon**

Prepared by:

A handwritten signature in blue ink, appearing to read 'Travis Casey', with a small 'for' written below it.

Travis Casey  
Senior Staff Scientist  
Carlsbad

Reviewed by:

A handwritten signature in blue ink, appearing to read 'Erin Loyd', with a small 'for' written to the left.

Erin Loyd  
Senior Principal  
Office Manager - Lubbock

**Attachments**

**Appendix A – Exhibits**

- Exhibit 1 – Site Map
- Exhibit 2 – NMOSE POD Location Map
- Exhibit 3 – Cave Karst Public UCP Map
- Exhibit 4 – Photographic Log

Responsive ■ Resourceful ■ Reliable

## **APPENDIX A – EXHIBITS**





Project No.	KH237002
Scale:	As Shown
Source:	Google Earth
Date:	1/19/2023

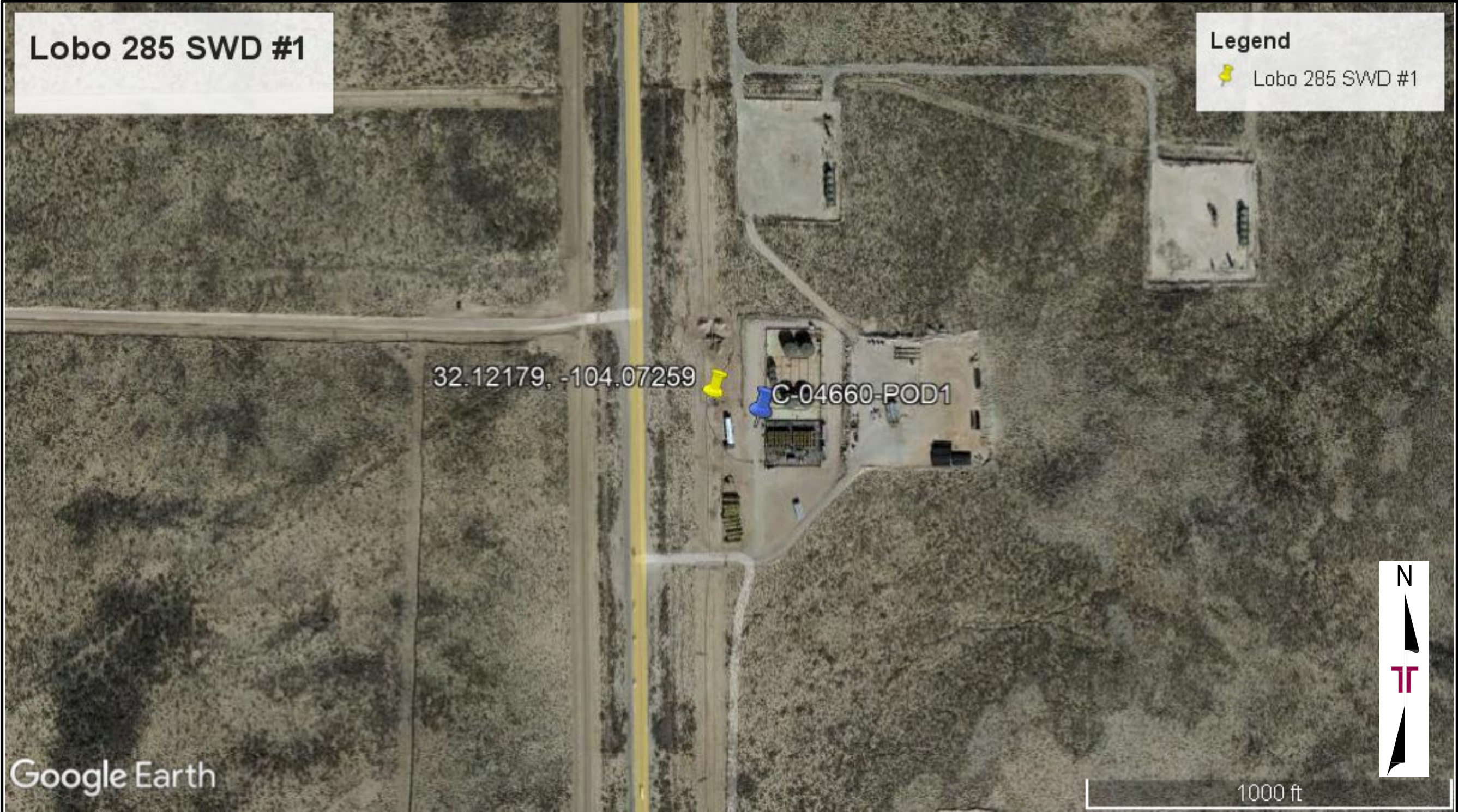


4518 West Pierce Street  
PH. (575) 689-4020


Carlsbad, NM 88220  
FAX. (806) 797 0947

Exhibit 1 – Site Map
Lobo 285 SWD #1
32.12179°, -104.07259°
Eddy County, New Mexico





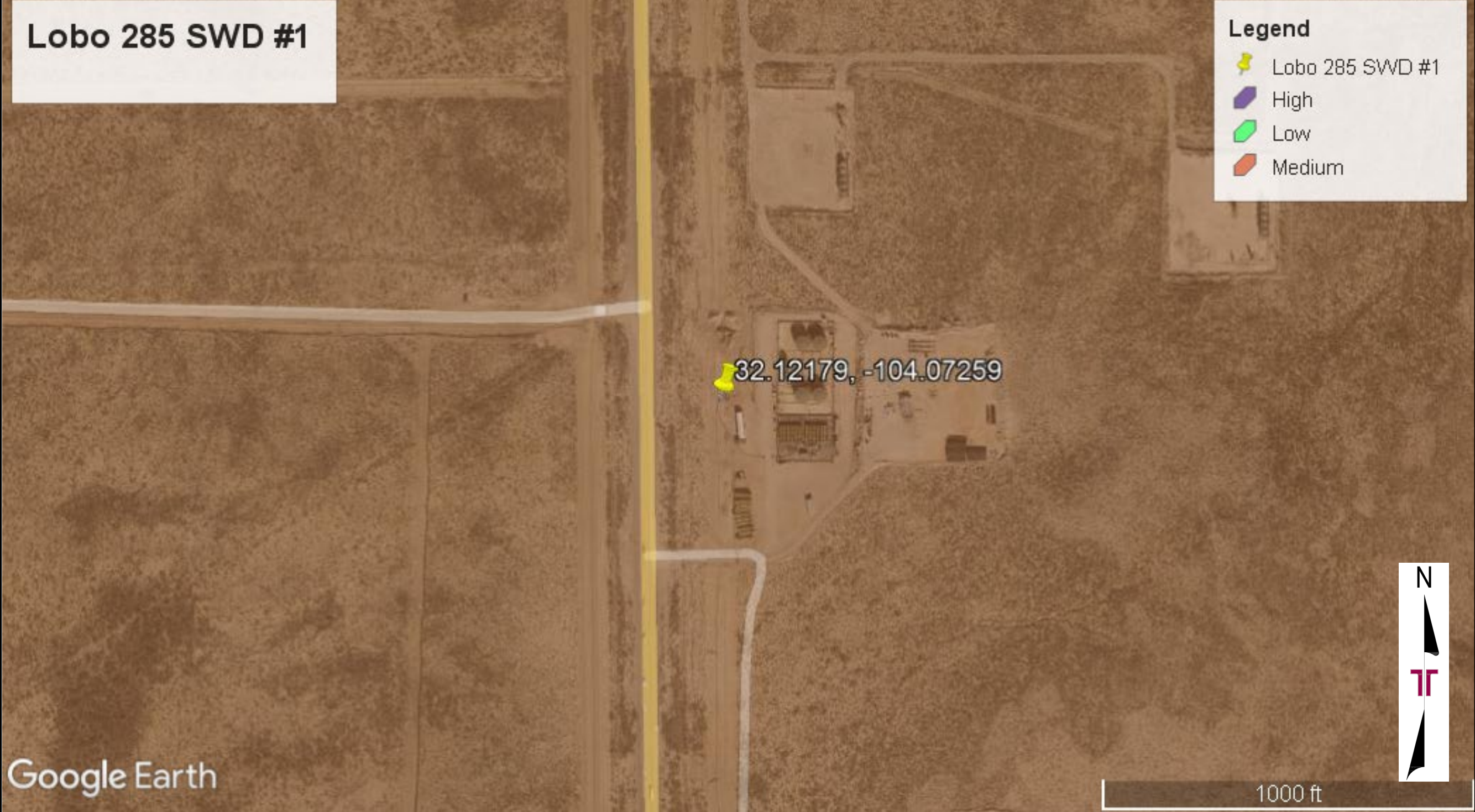
Project No.	KH237002	Exhibit 2 – NMOSE POD Location Map	
Scale:	As Shown	Lobo 285 SWD #1	
Source:	Google Earth	32.12179°, -104.07259°	
Date:	1/19/2023	Eddy County, New Mexico	




4518 West Pierce Street  
PH. (575) 689-4020

Carlsbad, NM 88220  
FAX. (806) 797 0947





Project No.	KH237002	Exhibit 3 – Karst Map	
Scale:	As Shown	Lobo 285 SWD #1	
Source:	Google Earth	32.12179°, -104.07259°	
Date:	1/19/2023	Eddy County, New Mexico	
			
4518 West Pierce Street PH. (575) 689-4020		Carlsbad, NM 88220 FAX. (806) 797 0947	



Lobo 285 SWD #1 ■ Eddy County, New Mexico  
January 25, 2023 ■ Terracon Project No. KH237002

**Terracon**



**PHOTO 1: Containment Liner SE**



**PHOTO 2: Containment Liner NE**

Responsive ■ Resourceful ■ Reliable



Lobo 285 SWD #1 ■ Eddy County, New Mexico  
January 25, 2023 ■ Terracon Project No. KH237002

**Terracon**



**PHOTO 3: Containment Liner to the South**



**PHOTO 4: Containment Liner N**

Responsive ■ Resourceful ■ Reliable



Lobo 285 SWD #1 ■ Eddy County, New Mexico  
January 25, 2023 ■ Terracon Project No. KH237002

**Terracon**



**PHOTO 5: Cracks in Liner (Not Through Liner) Middle NE Side**



**PHOTO 6: Containment Liner SW**

Responsive ■ Resourceful ■ Reliable

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Printed Name: Rob Kirk

Title: VP & GM, HSE & Compliance

Signature: 

Date: 03/20/2023

email: rob.kirk@ariswater.com

Telephone: O 575- 300-5155 C 469-978-5620

**OCD Only**

Received by: Robert Hamlet

Date: 8/1/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet

Date: 8/1/2023

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 198922

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 198922
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2300454499 LOBO 285 SWD, thank you. This closure is approved.	8/1/2023