



## SITE INFORMATION

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**Closure Report  
Daisy State 24 CTB  
Unit D Sec 24 T25S R27E  
Eddy County, New Mexico  
32.1209°, -104.1483°**

**Incident ID: NAPP2327648916  
Produced Water Release  
Point of Release: Valve Malfunction  
Release Date: 09.17.23  
Volume Released: 16 Barrels of Produced Water  
Volume Recovered: 15 Barrels of Produced Water**

**CARMONA RESOURCES**



**Incident ID: NAPP2327649891  
Produced Water Release  
Point of Release: Pinhole Leak  
Release Date: 09.23.23  
Volume Released: 18.4548 Barrels of Produced Water  
Volume Recovered: 18.4 Barrels of Produced Water**

**Prepared for:  
Concho Operating, LLC  
15 West London Road,  
Loving, New Mexico 88256**

**Prepared by:  
Carmona Resources, LLC  
310 West Wall Street  
Suite 500  
Midland, Texas 79701**



## TABLE OF CONTENTS

### 1.0 SITE INFORMATION AND BACKGROUND

### 2.0 SITE CHARACTERIZATION AND GROUNDWATER

### 3.0 NMAC REGULATORY CRITERIA

### 4.0 LINER INSPECTION ACTIVITIES

### 5.0 CONCLUSIONS

#### FIGURES

FIGURE 1                      OVERVIEW                      FIGURE 2      TOPOGRAPHIC

FIGURE 3                      SECONDARY CONTAINMENT MAP

#### APPENDICES

APPENDIX A                      PHOTOS

APPENDIX B                      INITIAL AND FINAL C-141/NMOCD CORRESPONDENCE

APPENDIX C                      SITE CHARACTERIZATION AND GROUNDWATER

October 23, 2023

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure Report  
Daisy State 24 CTB  
Concho Operating, LLC  
Incident ID: NAPP2327648916 & NAPP2327649891  
Site Location: Unit D, S24, T25S, R27E  
(Lat 32.1209°, Long -104.1483°)  
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Daisy State 24 CTB. The site is located at 32.1209°, -104.1483° within Unit D, S24, T25S, R27E, in Eddy County, New Mexico (Figures 1 and 2).

### **1.0 Site Information and Background**

#### **NAPP2327648916**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on September 17, 2023, caused by a valve malfunction. It resulted in the release of approximately sixteen (16) barrels of produced water, and approximately fifteen (15) barrels of produced water were recovered within the lined facility. See Figure 3. The initial C-141 form is attached in Appendix B.

#### **NAPP2327649891**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on September 23, 2023, caused by a pinhole on a water line due to corrosion. It resulted in the release of approximately eighteen point four five four eight (18.4548) barrels of produced water, and approximately eighteen point four (18.4) barrels of produced water were recovered within the lined facility. See Figure 3. The initial C-141 form is attached in Appendix B.

### **2.0 Site Characterization and Groundwater**

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is located approximately 1.19 miles southeast of the site in S25, T25S, R27E and was drilled in 2016. The well has a reported depth to groundwater of 12 feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.



### **3.0 NMAC Regulatory Criteria**

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

### **4.0 Liner Inspection Activities**

On October 11, 2023, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility. Before performing the liner inspection, the NMOCD division office was notified via email on October 6, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix B. Carmona Resources, LLC personnel inspected the liner visually and determined it to be intact with no integrity issues.

Refer to the Photolog.

### **5.0 Conclusions**

Based on the liner inspection throughout the facility, no further actions are required at the site. The final C-141 is attached, and COG formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Mike Carmona  
Environmental Manager

Ashton Thielke  
Sr. Project Manager

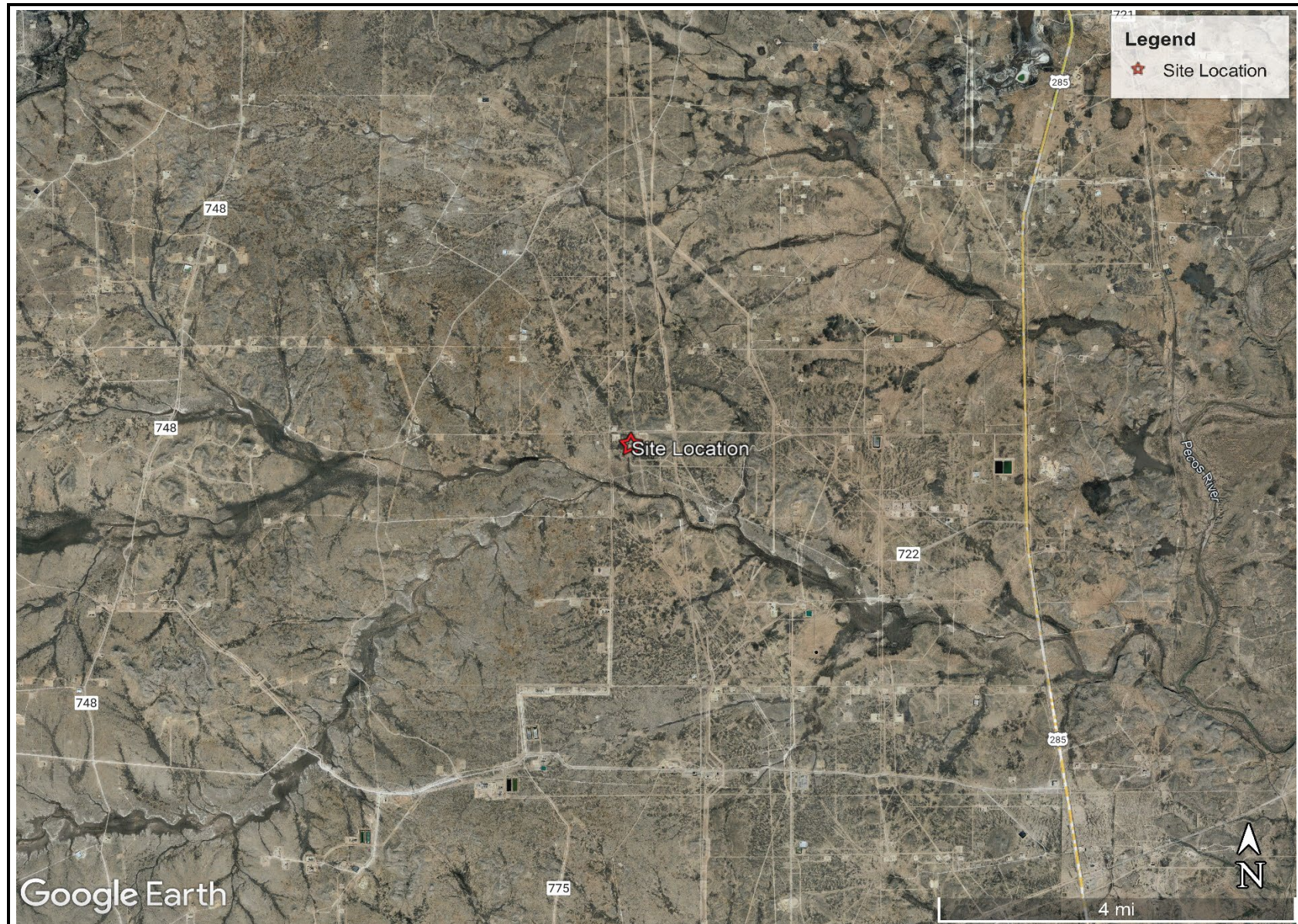


## FIGURES

CARMONA RESOURCES





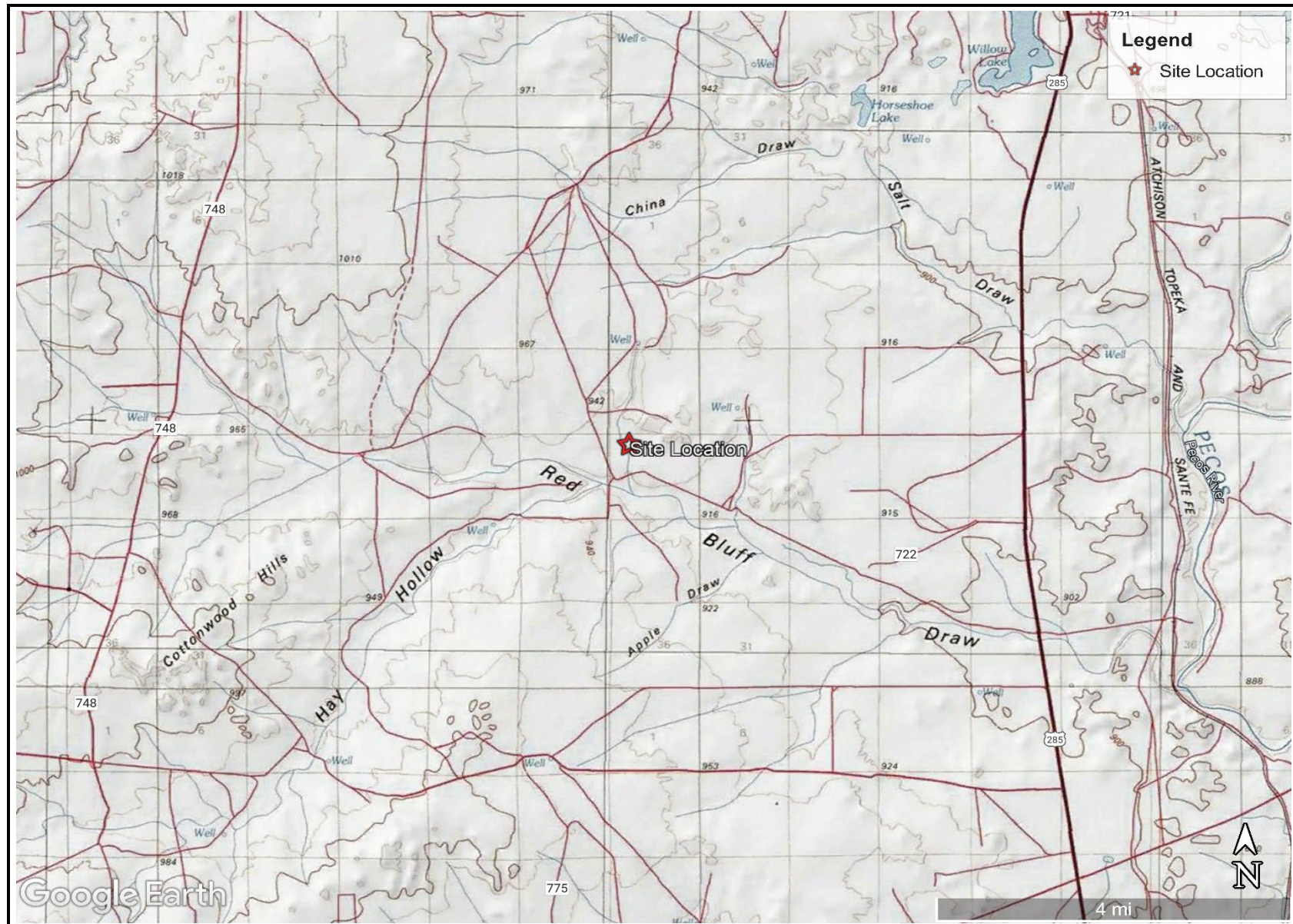


OVERVIEW MAP  
 COG OPERATING, LLC  
 DAISY STATE 24 CTB  
 EDDY COUNTY, NEW MEXICO  
 32.1209°, -104.1483°



FIGURE 1





TOPOGRAPHIC MAP  
COG OPERATING, LLC  
DAISY STATE 24 CTB  
EDDY COUNTY, NEW MEXICO  
32.1209°, -104.1483°



FIGURE 2





SECONDARY CONTAINMENT MAP  
COG OPERATING, LLC  
DAISY STATE 24 CTB  
EDDY COUNTY, NEW MEXICO  
32.1209°, -104.1483°



FIGURE 3

## APPENDIX A

CARMONA RESOURCES





# PHOTOGRAPHIC LOG

## Concho Operating, LLC

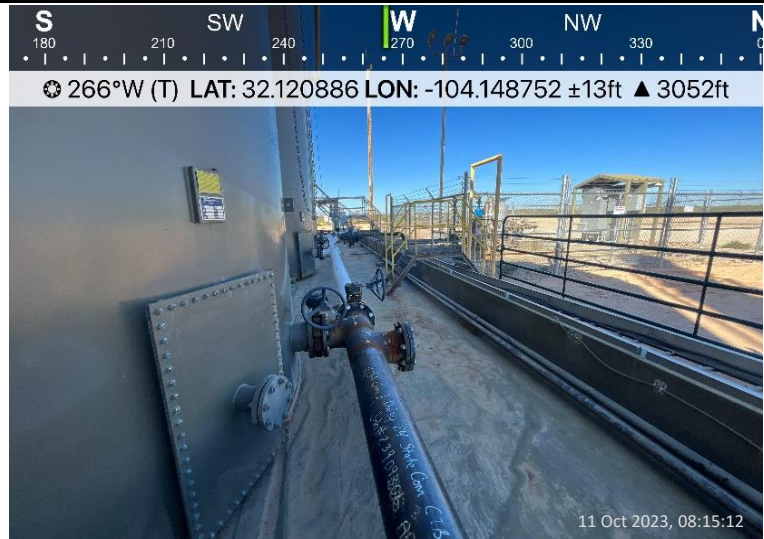
### Photograph No. 1

**Facility:** Daisy State 24 CTB

**County:** Eddy County, New Mexico

**Description:**

View West of lined facility.



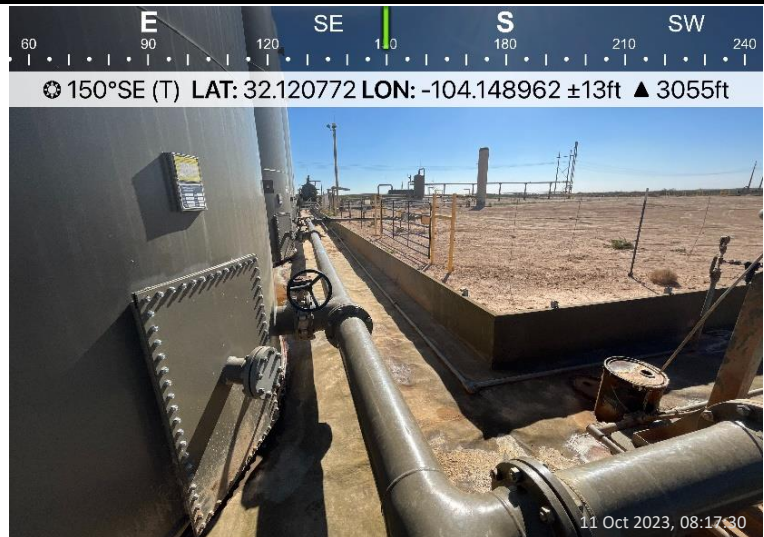
### Photograph No. 2

**Facility:** Daisy State 24 CTB

**County:** Eddy County, New Mexico

**Description:**

View Southeast of lined facility.



### Photograph No. 3

**Facility:** Daisy State 24 CTB

**County:** Eddy County, New Mexico

**Description:**

View Northeast of lined facility.



## PHOTOGRAPHIC LOG

Concho Operating, LLC

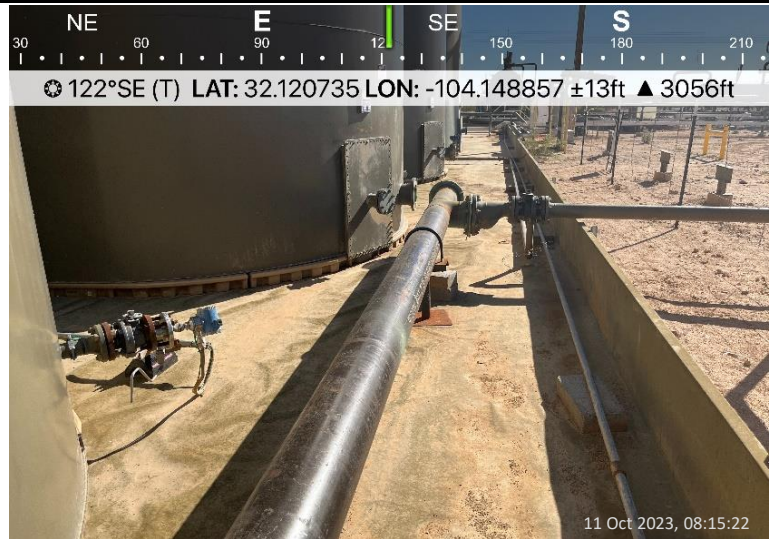
## Photograph No. 4

Facility: Daisy State 24 CTB

County: Eddy County, New Mexico

## Description:

View Southeast of lined facility.



## Photograph No. 5

Facility: Daisy State 24 CTB

County: Eddy County, New Mexico

## Description:

View West of lined facility.



## Photograph No. 6

Facility: Daisy State 24 CTB

County: Eddy County, New Mexico

## Description:

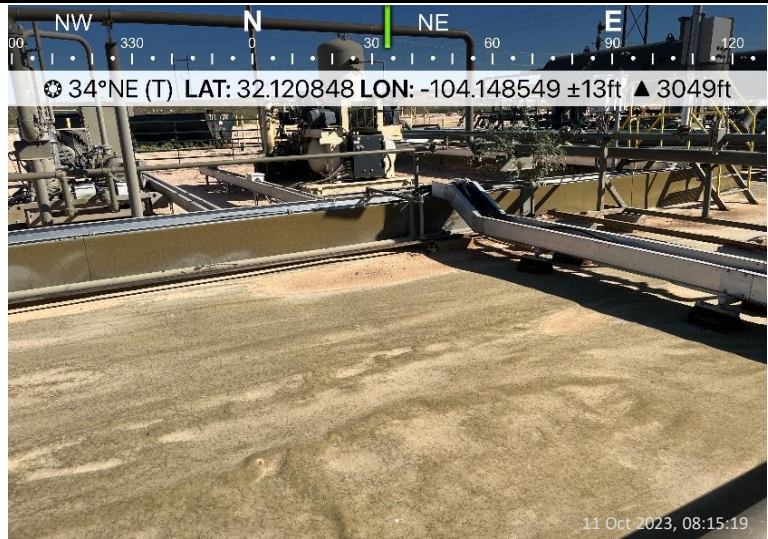
View South of lined facility.





**PHOTOGRAPHIC LOG****Concho Operating, LLC****Photograph No. 7****Facility:** Daisy State 24 CTB**County:** Eddy County, New Mexico**Description:**

View Northeast of lined facility.

**Photograph No. 8****Facility:** Daisy State 24 CTB**County:** Eddy County, New Mexico**Description:**

View Southeast of lined facility.

**Photograph No. 9****Facility:** Daisy State 24 CTB**County:** Eddy County, New Mexico**Description:**

View Northeast of lined facility.





## APPENDIX B

CARMONA RESOURCES



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

Incident ID	NAPP2327648916
District RP	
Facility ID	fAPP2203350881
Application ID	

## Release Notification

### Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacqui Harris	Contact Telephone	(575) 496-0780
Contact email	Jacqui.Harris@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2327648916
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

### Location of Release Source

Latitude 32.1207 Longitude -104.1485  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Daisy State 24 CTB	Site Type	Tank Battery
Date Release Discovered	September 17, 2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
D	24	25S	27E	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) 16	Volume Recovered (bbls) 15
	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

The release was caused by a valve malfunction.  
The release occurred within a falcon lined facility. A vacuum truck was dispatched to remove all freestanding fluids. Evaluation will be made of the spill area for any possible impact from the release.

Form C-141

State of New Mexico  
Oil Conservation Division


Page 2

Incident ID	NAPP2327648916
District RP	
Facility ID	fAPP2203350881
Application ID	

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

**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 <b>Brittany N. Esparza</b>	Title: <b>Environmental Technician</b>
Signature: 	Date: <b>10/2/2023</b>
email: <b>Brittany.Esparza@ConocoPhillips.com</b>	Telephone: <b>(432) 221-0398</b>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____



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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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 type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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



Incident ID	
District RP	
Facility ID	
Application ID	

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

### Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
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<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
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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: _____	Title: _____
Signature: <u>Pattani Espinoza</u>	Date: _____
email: _____	Telephone: _____
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____



Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Signature: Jacqueline Harris Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Shelly Wells Date: 11/6/2023

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

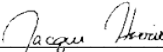
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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: \_\_\_\_\_ Title: \_\_\_\_\_

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

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

### OCD Only

Received by: Shelly Wells Date: 11/6/2023

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

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

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**From:** Wells, Shelly, EMNRD  
**Sent:** Tuesday, October 10, 2023 9:34 AM  
**To:** Conner Moehring; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD  
**Cc:** Mike Carmona; Devin Dominguez; Clint Merritt; Jacqui.Harris@conocophillips.com; Esparza, Brittany  
**Subject:** RE: [EXTERNAL] COG - Daisy State 24 CTB (09.17.23) - Liner Inspection Notification

Good morning Conner,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

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**From:** Conner Moehring <[Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)>  
**Sent:** Friday, October 6, 2023 5:05 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Mike Carmona <[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)>; Devin Dominguez <[Ddominguez@carmonaresources.com](mailto:Ddominguez@carmonaresources.com)>; Clint Merritt <[MerrittC@carmonaresources.com](mailto:MerrittC@carmonaresources.com)>; Jacqui.Harris@conocophillips.com; Esparza, Brittany <[Brittany.Esparza@conocophillips.com](mailto:Brittany.Esparza@conocophillips.com)>  
**Subject:** [EXTERNAL] COG - Daisy State 24 CTB (09.17.23) - Liner Inspection Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on 10/11/23 around 8:00 a.m. Mountain Time. Please let me know if you have any questions.

COG Operating  
Daisy State 24 CTB (09.17.23)  
Eddy County, New Mexico  
NAPP2327648916

Conner R. Moehring  
310 West Wall Street, Suite 500  
Midland Texas, 79701  
M: 432-813-6823  
[Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

CARMONA RESOURCES



---

**From:** Wells, Shelly, EMNRD  
**Sent:** Tuesday, October 10, 2023 9:33 AM  
**To:** Conner Moehring; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD  
**Cc:** Mike Carmona; Devin Dominguez; Clint Merritt; Jacqui.Harris@conocophillips.com; Esparza, Brittany  
**Subject:** RE: [EXTERNAL] COG - Daisy State 24 CTB (09.23.23) - Liner Inspection Notification

Hi Conner,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Conner Moehring <[Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)>  
**Sent:** Friday, October 6, 2023 5:05 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Mike Carmona <[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)>; Devin Dominguez <[Ddominguez@carmonaresources.com](mailto:Ddominguez@carmonaresources.com)>; Clint Merritt <[MerrittC@carmonaresources.com](mailto:MerrittC@carmonaresources.com)>; Jacqui.Harris@conocophillips.com; Esparza, Brittany <[Brittany.Esparza@conocophillips.com](mailto:Brittany.Esparza@conocophillips.com)>  
**Subject:** [EXTERNAL] COG - Daisy State 24 CTB (09.23.23) - Liner Inspection Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on 10/11/23 around 8:00 a.m. Mountain Time. Please let me know if you have any questions.

COG Operating  
Daisy State 24 CTB (09.23.23)  
Eddy County, New Mexico  
NAPP2327649891

Conner R. Moehring  
310 West Wall Street, Suite 500

Midland Texas, 79701

M: 432-813-6823

[Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)

CARMONA RESOURCES



## APPENDIX C

CARMONA RESOURCES





Nearest water well

COG Operating

Legend

 0.50 Mile Radius

 1.19 Miles

 1.28 Miles

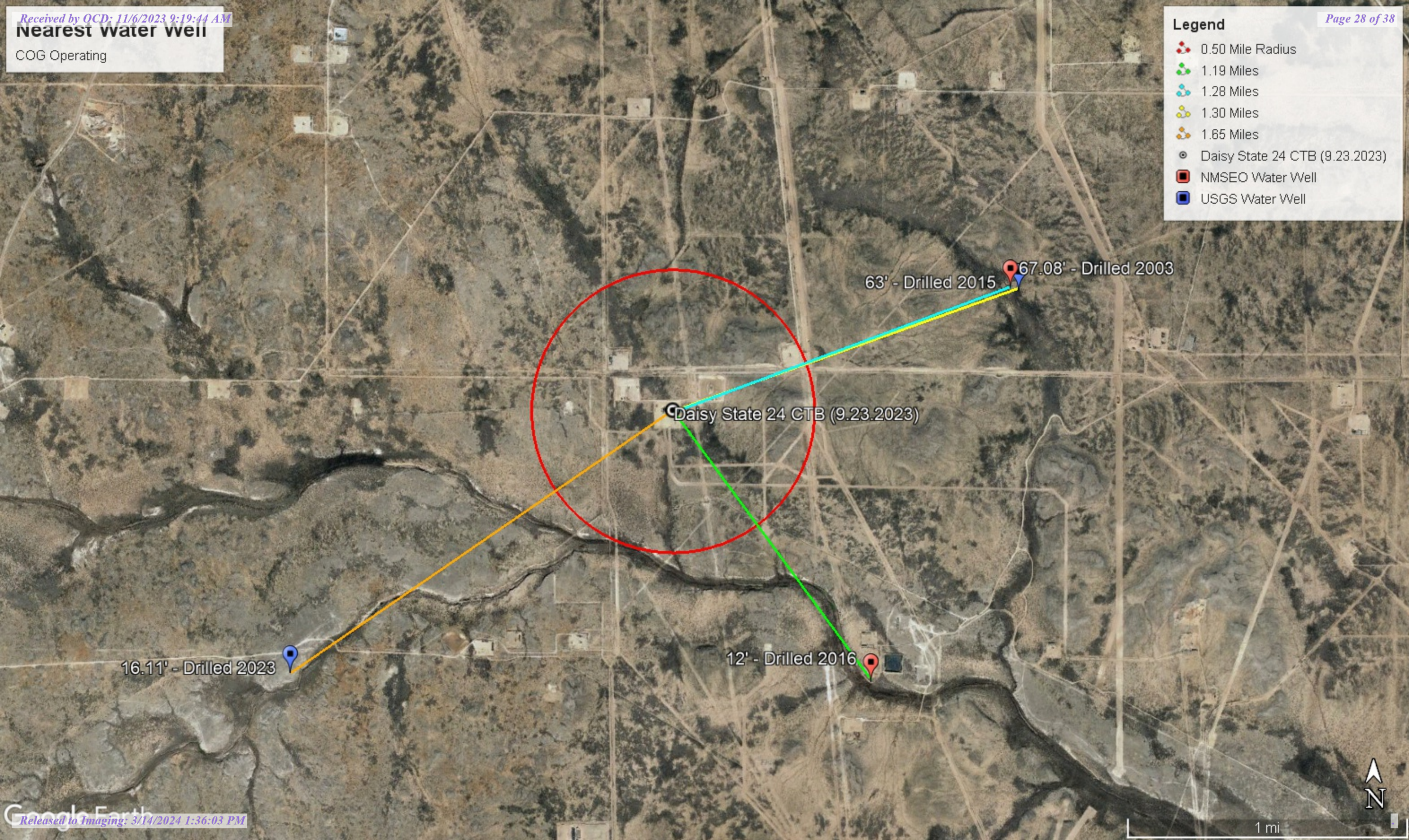
 1.30 Miles

 1.65 Miles

 Daisy State 24 CTB (9.23.2023)

 NMSEO Water Well

 USGS Water Well





# High Karst

COG Operating

## Legend

- Daisy State 24 CTB (9.23.2023)
- High
- Medium

Daisy State 24 CTB (9.23.2023)



1 mi



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03938 POD1</a>	CUB	ED		2	2	2	25	25S	27E	581482	3552616	1913	21	12	9
<a href="#">C 03861 POD1</a>	C	ED		4	2	3	18	25S	28E	582266	3554864	2049	91	63	28
<a href="#">C 03262 POD1</a>	CUB	ED		2	1	2	22	25S	27E	577837	3554244*	2507	75		
<a href="#">C 04371 POD1</a>	CUB	ED		3	3	4	26	25S	27E	579369	3551272	3041	100	69	31
<a href="#">C 03263 POD1</a>	CUB	ED		1	1	1	07	25S	28E	581628	3557501*	3584	133		
<a href="#">C 01573 POD1</a>	C	ED		3	1	4	20	25S	28E	584144	3553361	3882	176	96	80

Average Depth to Water: **60 feet**

Minimum Depth: **12 feet**

Maximum Depth: **96 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 580343.17

Northing (Y): 3554154.2

Radius: 4000

\*UTM location was derived from PLSS - see Help

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

10/9/23 9:30 AM


Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
	C 03938 POD1	2	2	2	25	25S	27E	581482	3552616		
<hr/>											
Driller License:		1711			Driller Company:			STRAUB CORPORATION			
Driller Name:		EDWARD BRYAN									
Drill Start Date:		03/08/2016			Drill Finish Date:			03/08/2016		Plug Date:	
Log File Date:		03/22/2016			PCW Rcv Date:					Source: Shallow	
Pump Type:					Pipe Discharge Size:					Estimated Yield:	
Casing Size:		2.00			Depth Well:			21 feet		Depth Water: 12 feet	
<hr/>											
Casing Perforations:					Top	Bottom					
					6	21					

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10/9/23 9:36 AM


POINT OF DIVERSION SUMMARY





# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	03861 POD1	4	2	3	18	25S	28E	582266	3554864 
<hr/>									
<b>Driller License:</b> 1348		<b>Driller Company:</b>		TAYLOR WATER WELL SERVICE					
<b>Driller Name:</b>		TAYLOR, CLINTON E.							
<b>Drill Start Date:</b> 04/26/2015		<b>Drill Finish Date:</b>		04/30/2015		<b>Plug Date:</b>			
<b>Log File Date:</b> 05/04/2015		<b>PCW Rcv Date:</b>				<b>Source:</b>		Shallow	
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>		100 GPM	
<b>Casing Size:</b> 6.00		<b>Depth Well:</b>		91 feet		<b>Depth Water:</b>		63 feet	
<hr/>									
<b>Water Bearing Stratifications:</b>				<b>Top</b>	<b>Bottom</b>	<b>Description</b>			
				68	91	Other/Unknown			
<hr/>									
<b>Casing Perforations:</b>				<b>Top</b>	<b>Bottom</b>				
				71	91				
<hr/>									


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10/9/23 9:40 AM

POINT OF DIVERSION SUMMARY

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
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Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320738104073301

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 320738104073301 25S.28E.18.32441

Eddy County, New Mexico  
Latitude 32°07'37.3", Longitude 104°07'38.5" NAD83  
Land-surface elevation 3,030.80 feet above NGVD29  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measured)
1948-12-06			D	62610	2963.93	NGVD29	1	Z		
1948-12-06			D	62611	2965.54	NAVD88	1	Z		
1948-12-06			D	72019	66.87		1	Z		
1978-01-12			D	62610	2963.55	NGVD29	1	Z		
1978-01-12			D	62611	2965.16	NAVD88	1	Z		
1978-01-12			D	72019	67.25		1	Z		
1983-02-01			D	62610	2966.25	NGVD29	1	Z		
1983-02-01			D	62611	2967.86	NAVD88	1	Z		
1983-02-01			D	72019	64.55		1	Z		
1987-10-13			D	62610	2965.34	NGVD29	1	Z		
1987-10-13			D	62611	2966.95	NAVD88	1	Z		
1987-10-13			D	72019	65.46		1	Z		
1988-04-07			D	62610	2965.51	NGVD29	1	Z		
1988-04-07			D	62611	2967.12	NAVD88	1	Z		
1988-04-07			D	72019	65.29		1	Z		

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1992-11-04	D	62610	2963.59	NGVD29	P	S	
1992-11-04	D	62611	2965.20	NAVD88	P	S	
1992-11-04	D	72019	67.21		P	S	
1998-01-23	D	62610	2966.13	NGVD29	1	S	
1998-01-23	D	62611	2967.74	NAVD88	1	S	
1998-01-23	D	72019	64.67		1	S	
2003-01-24	D	62610	2963.72	NGVD29	1	S	USGS
2003-01-24	D	62611	2965.33	NAVD88	1	S	USGS
2003-01-24	D	72019	67.08		1	S	USGS

## Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels


URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320738104073301&agency_cd=USGS&format=html)Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2023-10-09 11:42:56 EDT

0.34 0.3 nadww01

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320627104101801

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 320627104101801 25S.27E.27.21242

Eddy County, New Mexico  
Latitude 32°06'25.92", Longitude 104°10'27.98" NAD83  
Land-surface elevation 3,064 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-02-02			D 62610		3049.96	NGVD29	1		Z	
1983-02-02			D 62611		3051.58	NAVD88	1		Z	
1983-02-02			D 72019	12.42			1		Z	
1987-10-09			D 62610		3051.85	NGVD29	1		Z	
1987-10-09			D 62611		3053.47	NAVD88	1		Z	
1987-10-09			D 72019	10.53			1		Z	
1992-12-08			D 62610		3050.12	NGVD29	1		S	
1992-12-08			D 62611		3051.74	NAVD88	1		S	
1992-12-08			D 72019	12.26			1		S	
1998-01-07			D 62610		3048.19	NGVD29	1		S	
1998-01-07			D 62611		3049.81	NAVD88	1		S	
1998-01-07			D 72019	14.19			1		S	
2003-01-29			D 62610		3045.95	NGVD29	1		S	USGS
2003-01-29			D 62611		3047.57	NAVD88	1		S	USGS
2003-01-29			D 72019	16.43			1		S	USGS

Date	Time		Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
2022-01-13	14:35 UTC	m	62610	3046.65	NGVD29	1	V	USGS
2022-01-13	14:35 UTC	m	62611	3048.27	NAVD88	1	V	USGS
2022-01-13	14:35 UTC	m	72019	15.73		1	V	USGS
2023-02-14	16:05 UTC	m	62610	3046.27	NGVD29	1	S	USGS
2023-02-14	16:05 UTC	m	62611	3047.89	NAVD88	1	S	USGS
2023-02-14	16:05 UTC	m	72019	16.11		1	S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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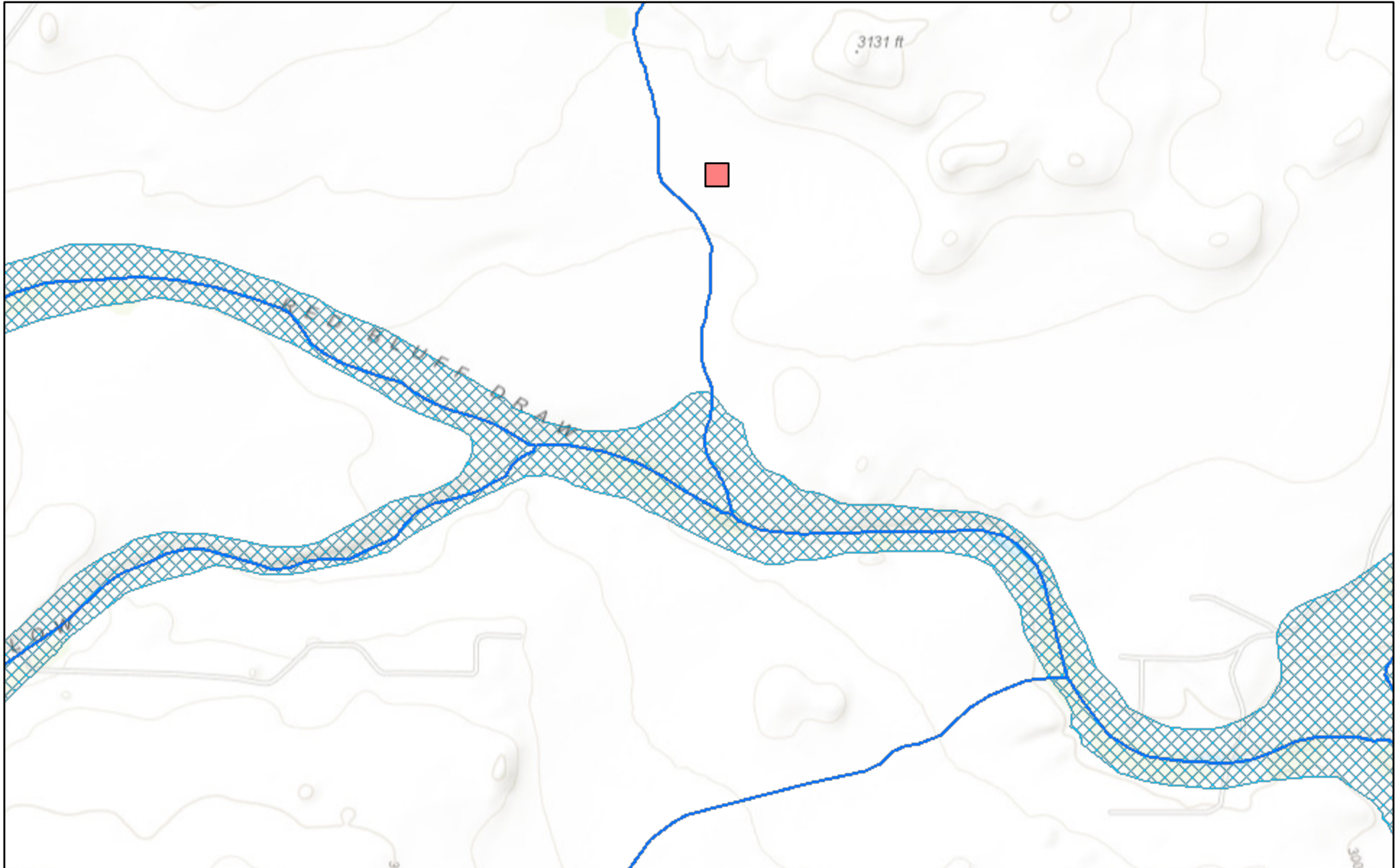
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**Title: Groundwater for New Mexico: Water Levels**  
**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels/>**



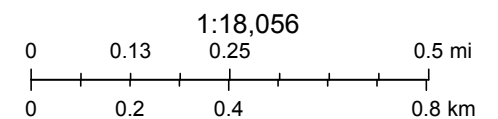
Page Contact Information: [New Mexico Water Data Maintainer](#)  
Page Last Modified: 2023-10-09 11:44:24 EDT  
2.89 0.45 nadww01



## New Mexico NFHL Data



October 9, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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**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 282860

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 282860
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Closure Report is Approved. Before the liner inspection is conducted, the liner should be power washed. All dried mud, trash, chloride remnants, and sage brush should be removed so that the surface of the liner can be inspected. If this is not accomplished in the future, the report will be immediately denied. Please make sure this is accomplished before any future liner inspection.	3/14/2024