



## SITE INFORMATION

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**Closure Report**  
**Boo Radley 21 CTB (08.05.22)**  
**Incident #: NAPP2223044639**  
**Eddy County, New Mexico**  
**Unit C Sec 21 T26S R28E**  
**32.033700°, -104.092900°**

**Produced Water Release**  
**Point of Release: Hole in Transfer Pump**  
**Release Date: 08.05.22**  
**Volume Released: 14 barrels of Produced Water**  
**Volume Recovered: 13 barrels of Produced Water**

**CARMONA RESOURCES**



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

**Prepared by:**  
**Carmona Resources, LLC**  
**310 West Wall Street**  
**Suite 415**  
**Midland, Texas 79701**



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September 13, 2022

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

**Re: Closure Report  
Boo Radley 21 CTB (08.05.22)  
Concho Operating, LLC  
Incident ID NAPP2223044639  
Site Location: Unit C, S21, T26S, R28E  
(Lat 32.033700°, Long -104.092900°)  
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 Boo Radley 21 CTB (08.05.22). The site is located at 32.033700°, -104.092900° within Unit C, S21, T26S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

### **1.0 Site information and Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 5, 2022, due to a development in the transfer pump. It resulted in approximately fourteen (14) barrels of produced water and thirteen (13) barrels of produced water recovered. 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 source within a 0.50-mile radius of the location. The closest well is located approximately 0.70 miles Southeast of the site in S22, T26S, R28E and was drilled in 1964. The well has a reported depth to groundwater of 120' feet below ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

### **3.0 Site Characterization and Groundwater**

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**

Before performing the liner inspection, the NMOCD division office was notified via email on August 16, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix B. On August 18, 2022, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility and determined the liner was 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 closure of the spill. If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**



Mike Carmona  
Environmental Manager

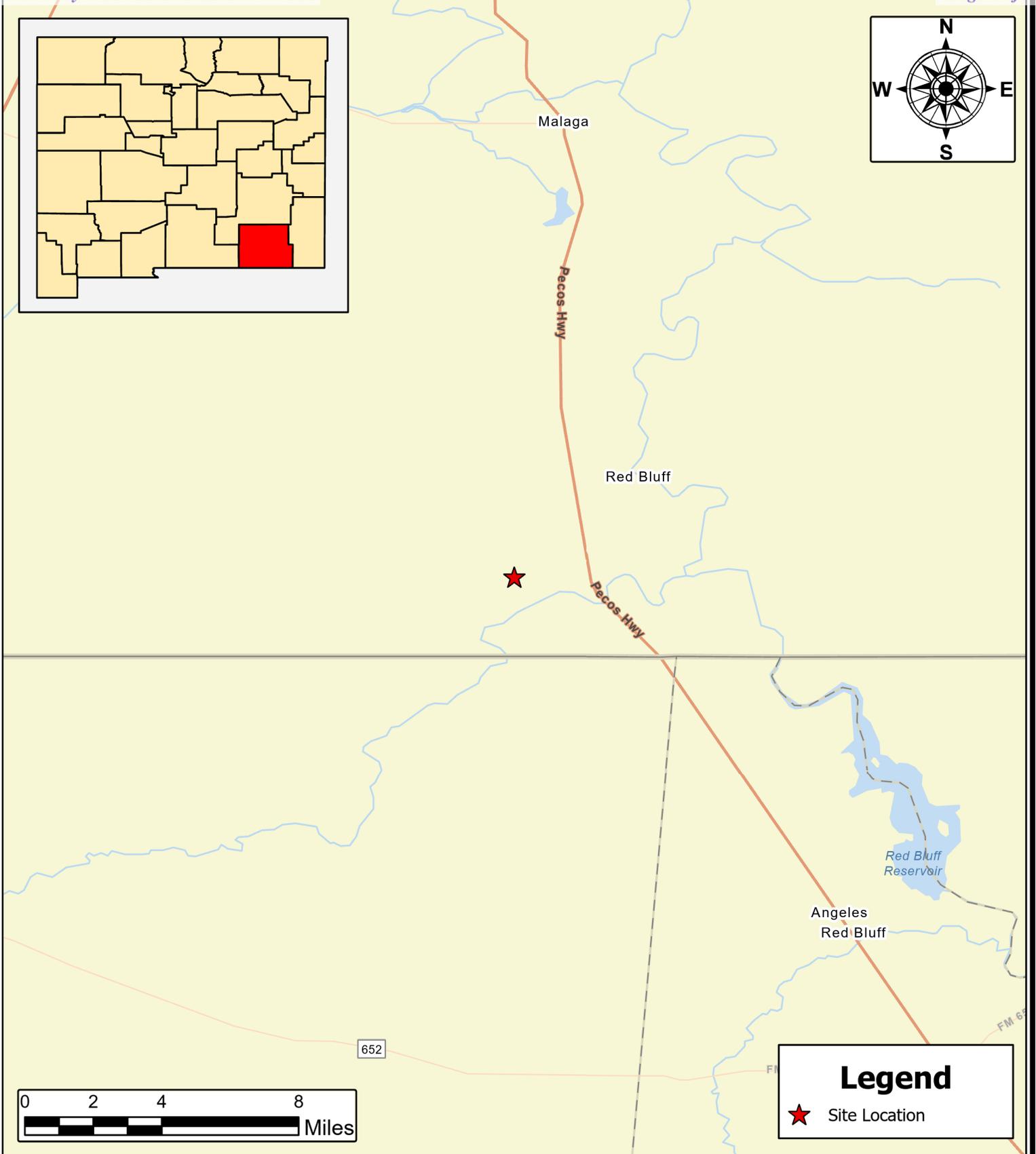


Conner Moehring  
Sr. Project Manager

# FIGURES

CARMONA RESOURCES





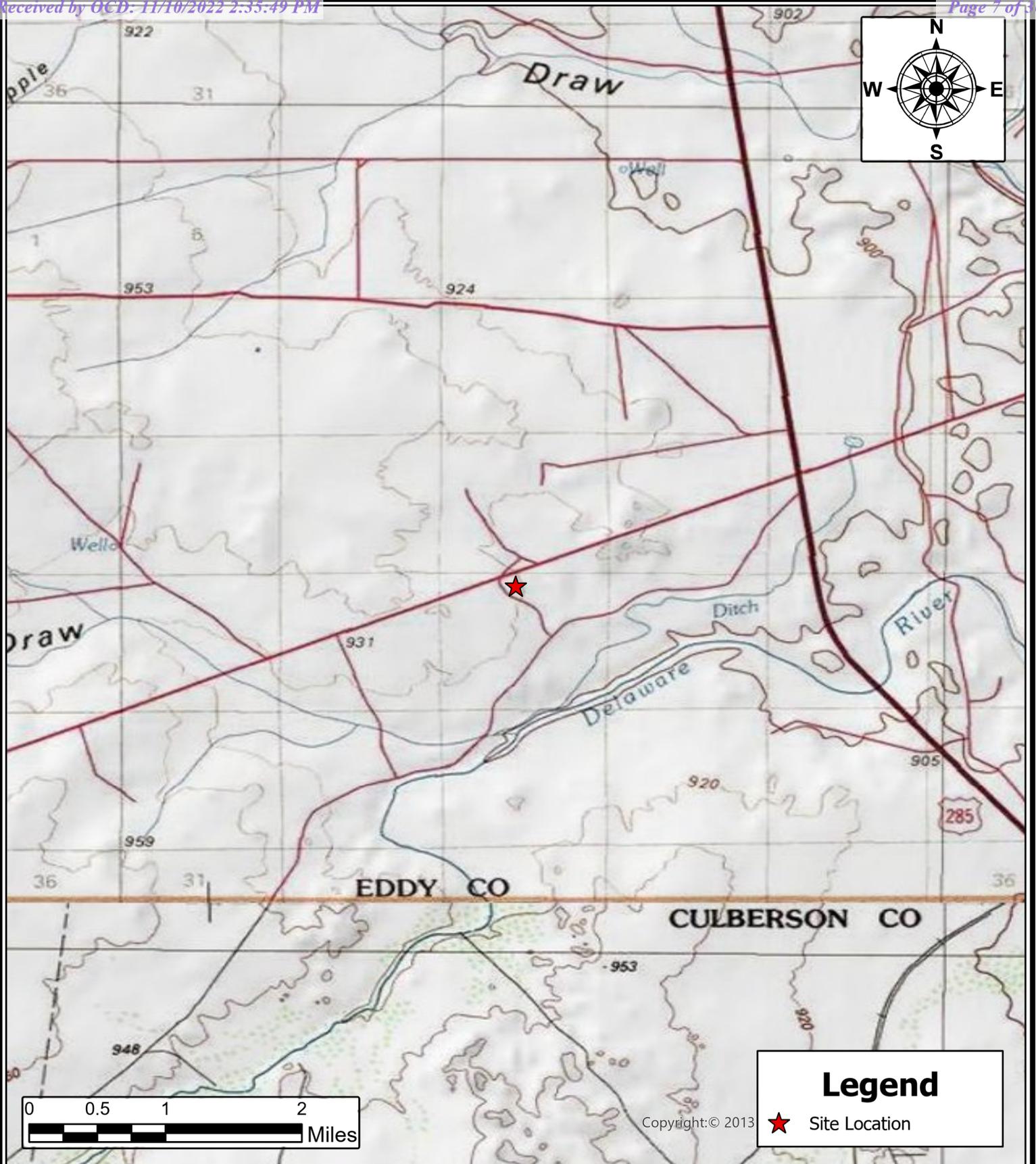
**OVERVIEW MAP**  
**COG OPERATING**  
 BOO RADLEY 21 CTB (08.05.22)  
 EDDY COUNTY, NEW MEXICO  
 32.033700, -104.092900

CARMONA RESOURCES   
**Carmona Resources**  
 310 West Wall Street, Suite 415  
 Midland, Texas 79701

**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 1**  
 SHEET NUMBER:  
**1 of 1**

SCALE: As Shown      Date: 8/12/2022



**Legend**

★ Site Location

0 0.5 1 2  
Miles

Copyright:© 2013

**TOPOGRAPHIC MAP  
COG OPERATING**  
BOO RADLEY 21 CTB (08.05.22)  
EDDY COUNTY, NEW MEXICO  
32.033700, -104.092900

SCALE: As Shown      Date: 8/12/2022

CARMONA RESOURCES 

**Carmona Resources**  
310 West Wall Street, Suite 415  
Midland, Texas 79701

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:  
**FIGURE 2**

SHEET NUMBER:  
**1 of 1**



Google Earth

Image USD/FPAC/SEO

SECONDARY CONTAINMENT MAP  
COG OPERATING  
BOO RADLEY 21 CTB (08.05.22)  
EDDY COUNTY, NEW MEXICO  
32.033700, -104.092900



# APPENDIX A

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

Concho Operating, LLC

## Photograph No. 1

**Facility:** Boo Radley 21 CTB (08.05.22)

**County:** Eddy County, New Mexico

**Description:**

View of the secondary containment.



## Photograph No. 2

**Facility:** Boo Radley 21 CTB (08.05.22)

**County:** Eddy County, New Mexico

**Description:**

View of the secondary containment.



## Photograph No. 3

**Facility:** Boo Radley 21 CTB (08.05.22)

**County:** Eddy County, New Mexico

**Description:**

View of the secondary containment.



# PHOTOGRAPHIC LOG

Concho Operating, LLC

## Photograph No. 4

**Facility:** Boo Radley 21 CTB (08.05.22)

**County:** Eddy County, New Mexico

**Description:**

View of the secondary containment.



## Photograph No. 5

**Facility:** Boo Radley 21 CTB (08.05.22)

**County:** Eddy County, New Mexico

**Description:**

View of the secondary containment.



## Photograph No. 6

**Facility:** Boo Radley 21 CTB (08.05.22)

**County:** Eddy County, New Mexico

**Description:**

View of the secondary containment.



## 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	
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

State of New Mexico  
Oil Conservation Division

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. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input 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: _____ Title: _____ Signature: <u></u> Date: _____ email: _____ Telephone: _____
<b><u>OCD Only</u></b> Received by: <u>Jocelyn Harimon</u> Date: <u>11/10/2022</u>

### L48 Spill Volume Estimate Form

Facility Name & Number:		Boo Radley 21 CTB							
Asset Area:		DBW							
Release Discovery Date & Time:		8.5.22							
Release Type:		Produced Water							
Provide any known details about the event:		Hole in transfer Pump							
<b>Spill Calculation - On Pad Surface Pool Spill</b>									
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	39.0	65.0	1.50	4	2535.000	0.031	14.101	0.002	14.123
Rectangle B					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total Volume Release:									14.123

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

Page 4

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: Jacques Harimon Date: \_\_\_\_\_

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

**OCD Only**

Received by: Jocelyn Harimon Date: 11/10/2022

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:         *Jacqueline Harimon*         Date: \_\_\_\_\_

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

**OCD Only**

Received by:         Jocelyn Harimon         Date:         11/10/2022        

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:         *Jennifer Nobui*         Date: \_\_\_\_\_

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

---

**From:** Mike Carmona  
**Sent:** Tuesday, August 16, 2022 3:01 PM  
**To:** [OCD.Enviro@state.nm.us](mailto:OCD.Enviro@state.nm.us)  
**Cc:** Conner Moehring  
**Subject:** RE: COG - BOO RADLEY 21CTB (08.05.22) Notification

Good Afternoon,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on 08/18/2022. Please let me know if you have any questions.

COG - BOO RADLEY 21CTB (08.05.22)  
Sec 21 T26S R28E Unit C  
32.0337, -104.0929  
Eddy County, New Mexico

Mike J. Carmona  
310 West Wall Street, Suite 415  
Midland TX, 79701  
M: 432-813-1992  
[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)

CARMONA RESOURCES



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**From:** [Mike Carmona](#)  
**Sent:** Tuesday, August 16, 2022 3:00 PM  
**To:** [OCD.Enviro@state.nm.us](mailto:OCD.Enviro@state.nm.us)  
**Cc:** [Conner Moehring](#); [Harris, Jacqui](#)  
**Subject:** COG - BOO RADLEY 21CTB (08.05.22) Notification

Good Afternoon,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on 08/18/2022. Please let me know if you have any questions.

COG - BOO RADLEY 21CTB (08.05.22)  
Sec 21 T26S R28E Unit C  
32.0337, -104.0929  
Eddy County, New Mexico

Mike J. Carmona  
310 West Wall Street, Suite 415  
Midland TX, 79701

## APPENDIX C

CARMONA RESOURCES

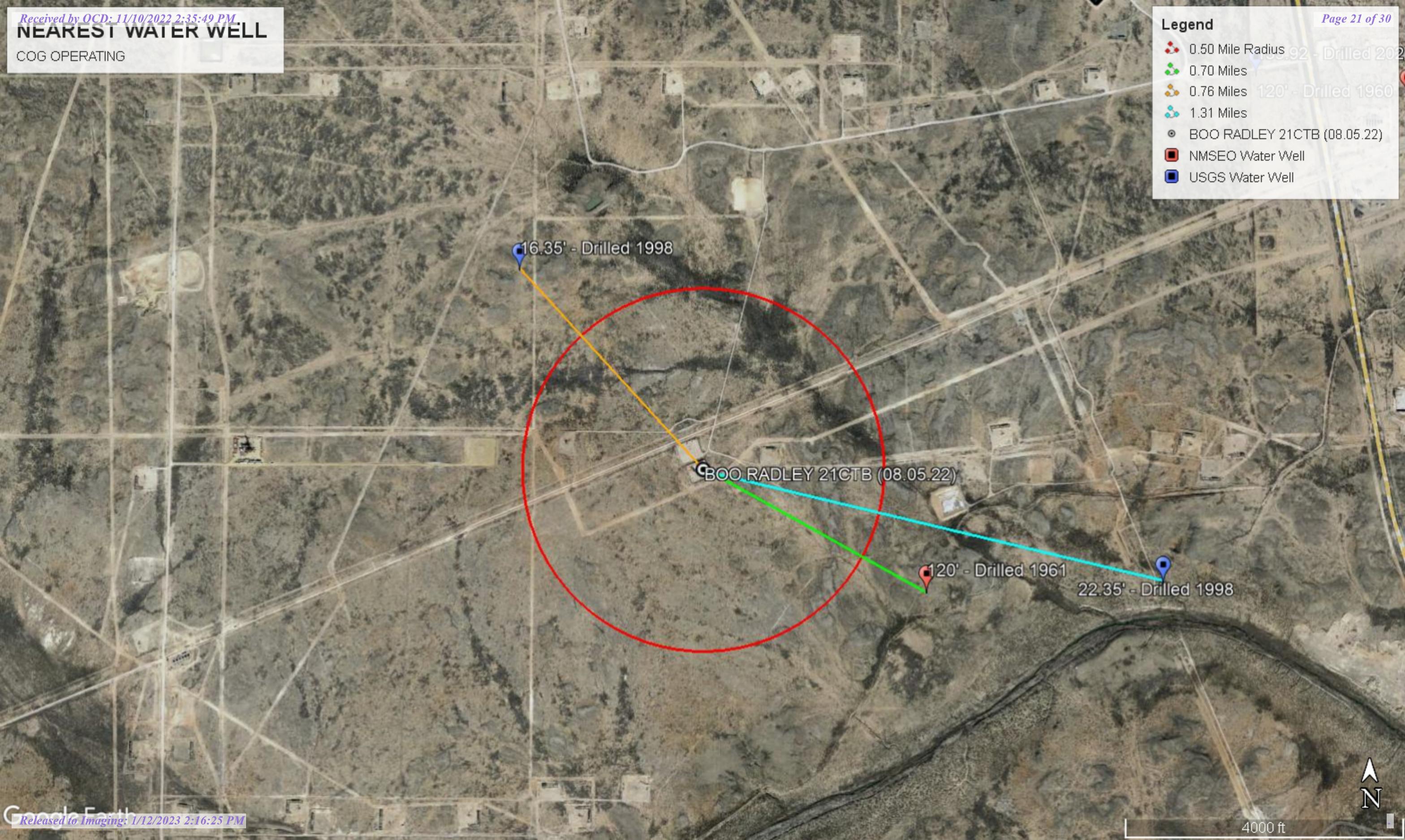


# NEAREST WATER WELL

COG OPERATING

**Legend**

- 0.50 Mile Radius
- 0.70 Miles
- 0.76 Miles 120' - Drilled 1960
- 1.31 Miles
- BOO RADLEY 21CTB (08.05.22)
- NMSEO Water Well
- USGS Water Well



16.35' - Drilled 1998

BOO RADLEY 21CTB (08.05.22)

120' - Drilled 1961

22.35' - Drilled 1998

4000 ft

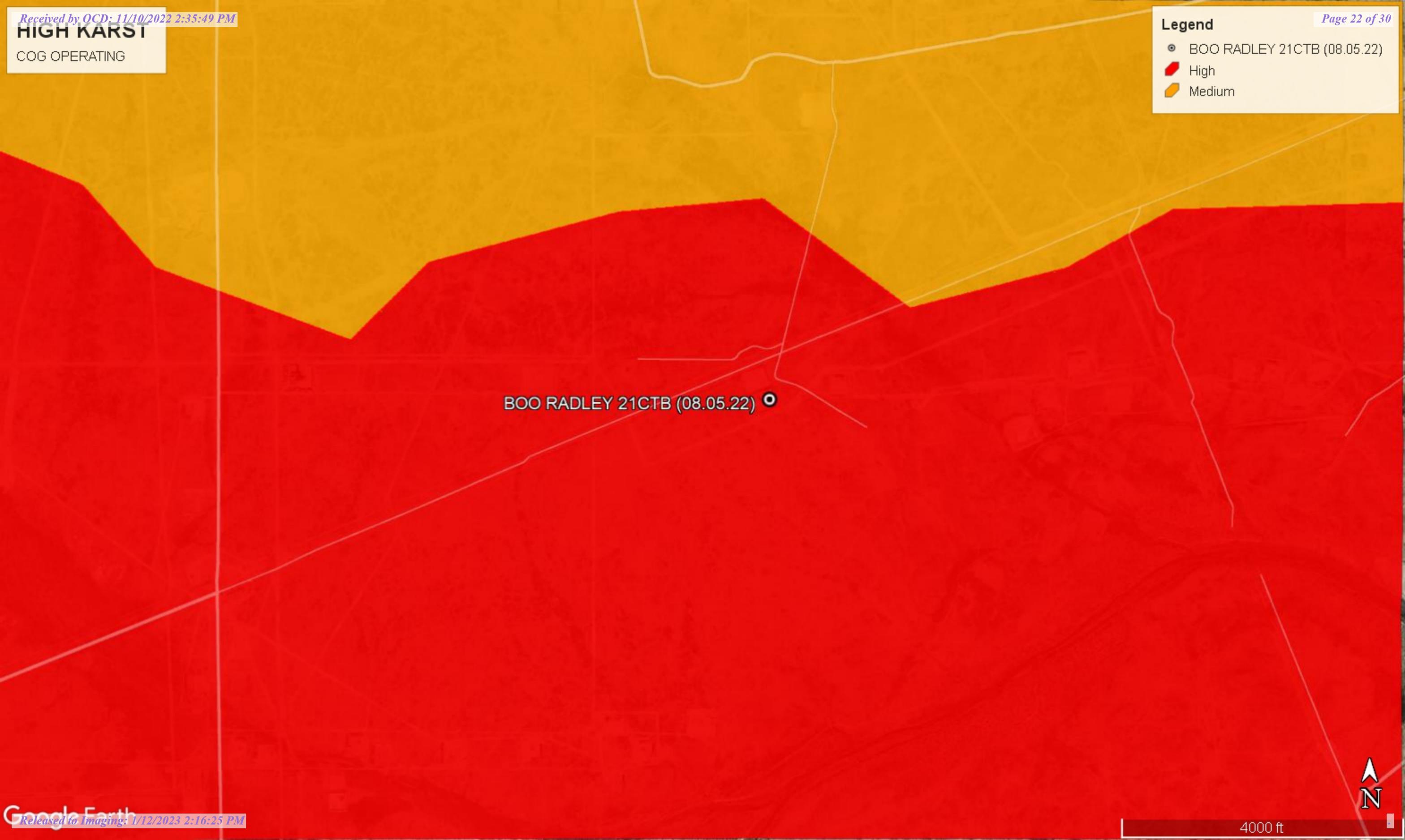


# HIGH KARST

COG OPERATING

**Legend**

- BOO RADLEY 21CTB (08.05.22)
- High
- Medium



BOO RADLEY 21CTB (08.05.22)





# 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 02160 S7</a>		CUB	ED	3	3	1	22	26S	28E	586638	3543998*	1121	300	120	180
<a href="#">C 04466 POD1</a>		CUB	ED	3	3	2	29	26S	28E	584327	3542357	2544	96	33	63
<a href="#">C 04022 POD1</a>		CUB	ED	4	4	2	15	26S	28E	588082	3545647	2675	220	175	45
<a href="#">C 02160 S6</a>		CUB	ED	3	3	1	14	26S	28E	588232	3545635*	2807	300	120	180
<a href="#">C 04022 POD2</a>		CUB	ED	2	2	2	27	26S	28E	588106	3543082	2851	250	145	105
<a href="#">C 02479</a>		CUB	ED		4	4	10	26S	28E	587909	3546534*	3018	200		
<a href="#">C 02480</a>		CUB	ED		4	4	10	26S	28E	587909	3546534*	3018	150		
<a href="#">C 02160 S5</a>		CUB	ED	1	1	1	14	26S	28E	588225	3546237*	3088	300	120	180
<a href="#">C 02481</a>		CUB	ED		1	1	14	26S	28E	588326	3546138*	3121	200		
<a href="#">C 02160 S3</a>		CUB	ED	2	2	1	14	26S	28E	588834	3546241*	3613	300	120	180
<a href="#">C 02160 S4</a>		CUB	ED	2	2	1	14	26S	28E	588834	3546241*	3613	300	120	180
<a href="#">C 02160 S</a>		CUB	ED	1	1	2	14	26S	28E	589043	3546244*	3800	300	120	180
<a href="#">C 02160 S2</a>		CUB	ED	1	1	2	14	26S	28E	589043	3546244*	3800	300	120	180
<a href="#">C 02160</a>		CUB	ED	4	1	2	14	26S	28E	589243	3546044*	3898	300	120	180

Average Depth to Water: **119 feet**  
 Minimum Depth: **33 feet**  
 Maximum Depth: **175 feet**

**Record Count:** 14

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 585650.67

**Northing (Y):** 3544530.74

**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.



# New Mexico Office of the State Engineer

## Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
		(quarters are smallest to largest)				X	Y		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02160 S7	3	3	1	22	26S	28E	586638	3543998*

<b>Driller License:</b>	<b>Driller Company:</b>	
<b>Driller Name:</b> HEMLER		
<b>Drill Start Date:</b>	<b>Drill Finish Date:</b> 01/01/1961	<b>Plug Date:</b>
<b>Log File Date:</b>	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b>	<b>Depth Well:</b> 300 feet	<b>Depth Water:</b> 120 feet

\*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.

8/12/22 8:29 AM

POINT OF DIVERSION SUMMARY



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list = 

- 320230104060601

Minimum number of levels = 1  
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**USGS 320230104060601 26S.28E.18.33111**

Eddy County, New Mexico  
Latitude 32°02'30", Longitude 104°06'06" NAD27  
Land-surface elevation 3,070 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Castile Formation (312CSTL) 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 measu
1981-05-01			D	62610	3050.88	NGVD29	1	Z		
1981-05-01			D	62611	3052.48	NAVD88	1	Z		
1981-05-01			D	72019	17.52		1	Z		
1983-01-25			D	62610	3052.15	NGVD29	1	Z		
1983-01-25			D	62611	3053.75	NAVD88	1	Z		
1983-01-25			D	72019	16.25		1	Z		
1987-10-13			D	62610	3053.27	NGVD29	1	Z		
1987-10-13			D	62611	3054.87	NAVD88	1	Z		
1987-10-13			D	72019	15.13		1	Z		
1992-11-03			D	62610	3050.77	NGVD29	1	S		
1992-11-03			D	62611	3052.37	NAVD88	1	S		
1992-11-03			D	72019	17.63		1	S		
1998-01-22			D	62610	3052.05	NGVD29	1	S		
1998-01-22			D	62611	3053.65	NAVD88	1	S		
1998-01-22			D	72019	16.35		1	S		

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
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
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?>**



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0.27 0.24 nadww01



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Agency code = usgs  
 site\_no list = 

- 320145104041701

Minimum number of levels = 1  
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**USGS 320145104041701 26S.28E.22.234431**

Eddy County, New Mexico  
 Latitude 32°01'45", Longitude 104°04'17" NAD27  
 Land-surface elevation 2,980 feet above NGVD29  
 The depth of the well is 23.00 feet below land surface.  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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 measu
1987-12-12			D	62610	2958.98	NGVD29	1		S	
1987-12-12			D	62611	2960.55	NAVD88	1		S	
1987-12-12			D	72019	21.02		1		S	
1998-01-22			D	62610	2957.65	NGVD29	1		S	
1998-01-22			D	62611	2959.22	NAVD88	1		S	
1998-01-22			D	72019	22.35		1		S	

**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

Section	Code	Description
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.
Measuring agency		Not determined
Source of measurement		Not determined
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?>**

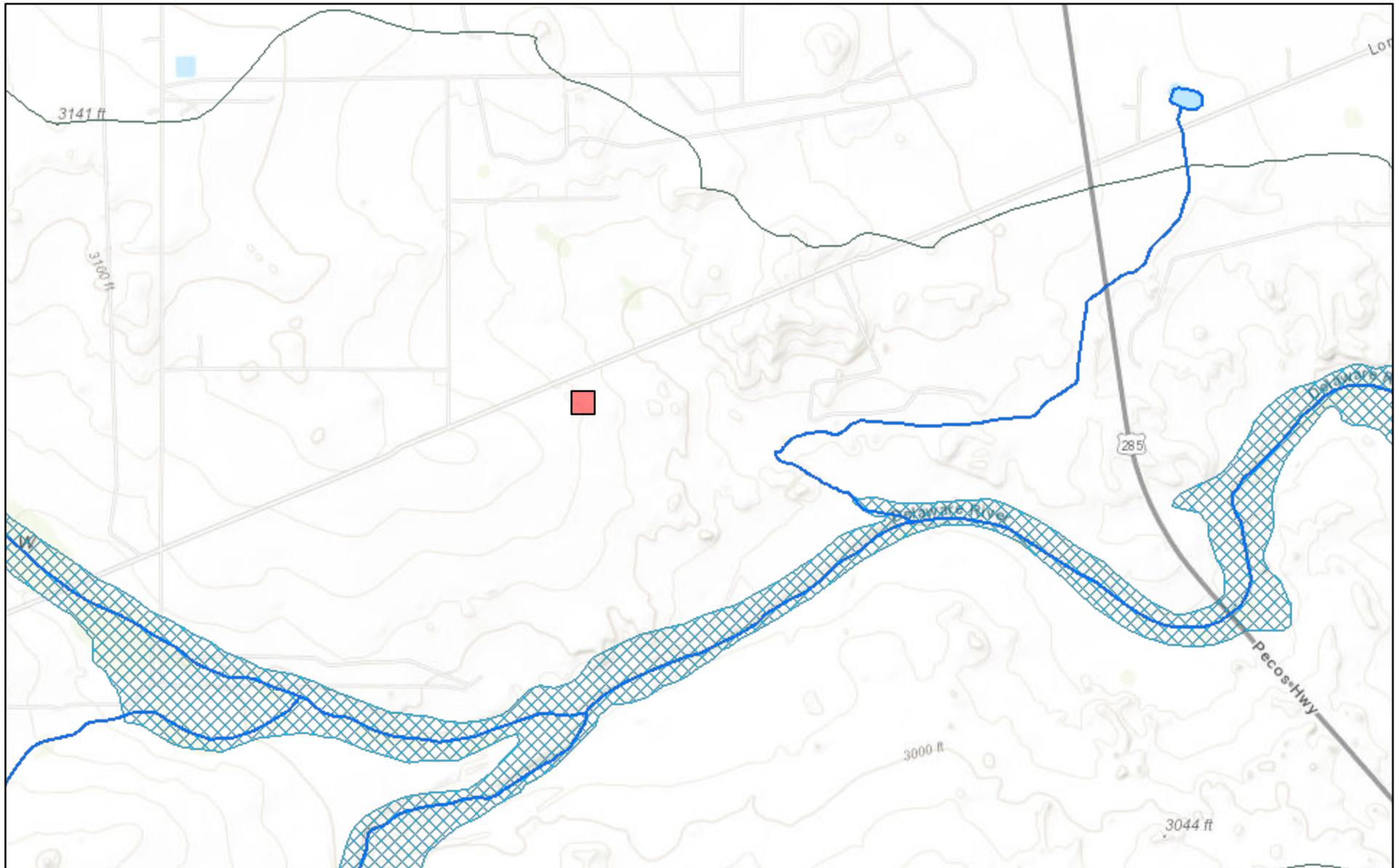


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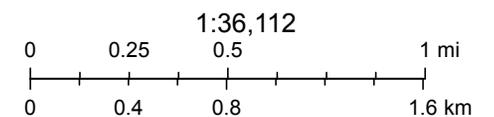
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0.27 0.24 nadww02

# New Mexico NFHL Data



September 12, 2022



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

CONDITIONS

Action 157830

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 157830
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/12/2023