

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

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

**OCD Only**

Received by: Jocelyn Harimon Date: 04/13/2023

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: 8/14/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

CARMONA RESOURCES



## SITE INFORMATION

---

### **Closure Report**

**Really Scary Federal 005H (2.2.23)**

**Incident #: NAPP2304554173**

**Eddy County, New Mexico**

**Unit P Sec 33 T24S R28E**

**32.1678°, -104.0868°**

### **Produced Water Release**

**Point of Release: Failed Line**

**Release Date: 02/02/2023**

**Volume Released: 38.222 barrels of Produced Water**

**Volume Recovered: 35 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 500**

**Midland, Texas 79701**

310 West Wall Street, Suite 500  
Midland TX, 79701  
432.813.1992

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### 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 C-141 AND FINAL/NMOCD CORRESPONDENCE

APPENDIX C      SITE CHARACTERIZATION AND GROUNDWATER

April 5, 2023

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

**Re: Closure Report**  
**Really Scary Federal 005H (2.2.23)**  
**Concho Operating, LLC**  
**Incident ID NAPP2304554173**  
**Site Location: Unit P, S33, T24S, R28E**  
**(Lat 32.1678°, Long -104.0868°)**  
**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 Really Scary Federal 005H (2.2.23). The site is located at 32.1678°, -104.0868° within Unit P, S33, T24S, 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 February 2, 2023, due to a failed line. It resulted in approximately thirty-eight point two hundred-two (38.222) barrels of crude oil and thirty-five (35) 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 0.54 miles South of the site in S04, T25S, R28E and was drilled in 1969. The well has a reported depth to groundwater of 35' 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 March 13, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix B. On March 16, 2023, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility and determined that 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, please contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Conner Moehring  
Sr. Project Manager

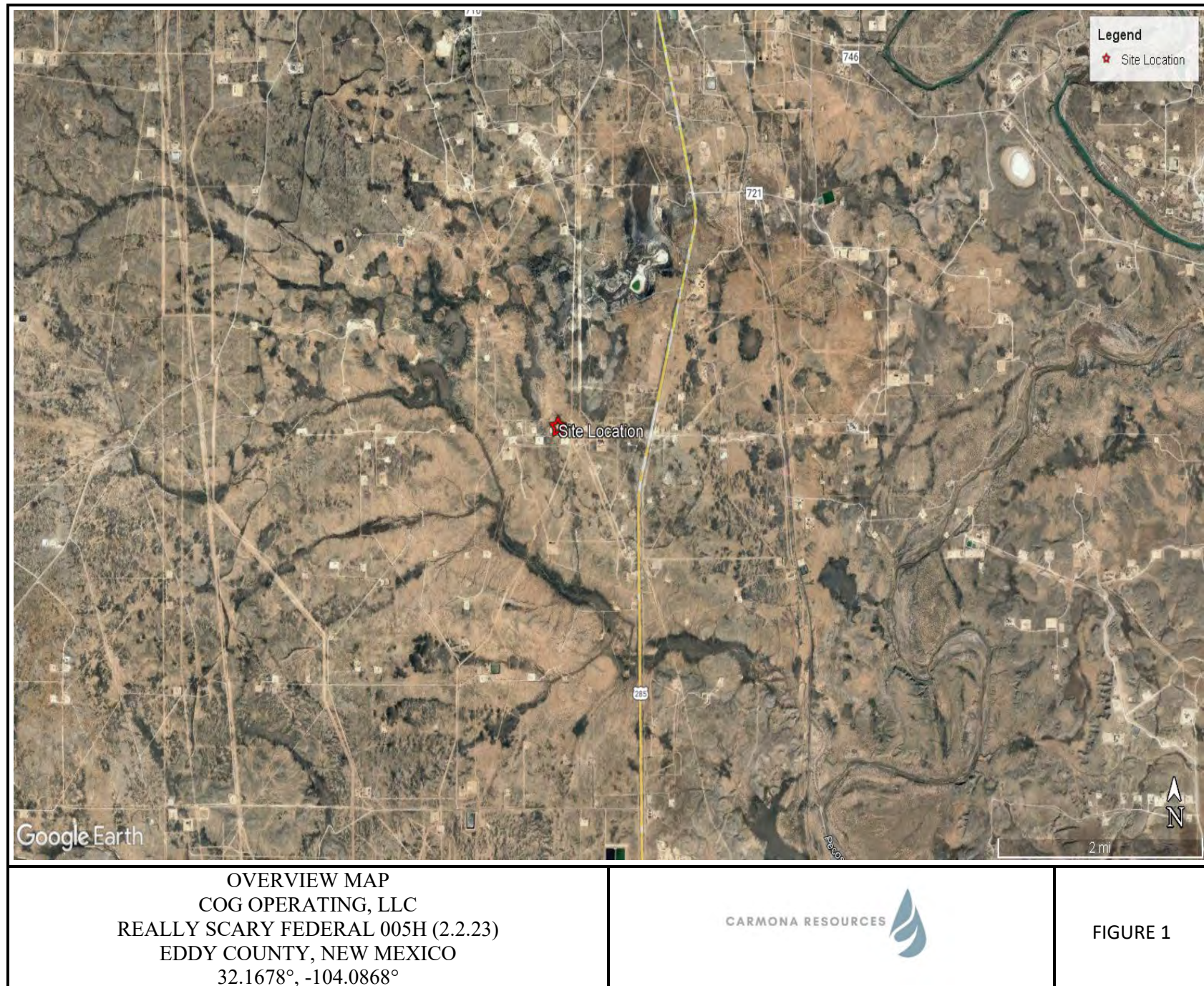
Ashton Thielke  
Sr. Project Manager

## FIGURES

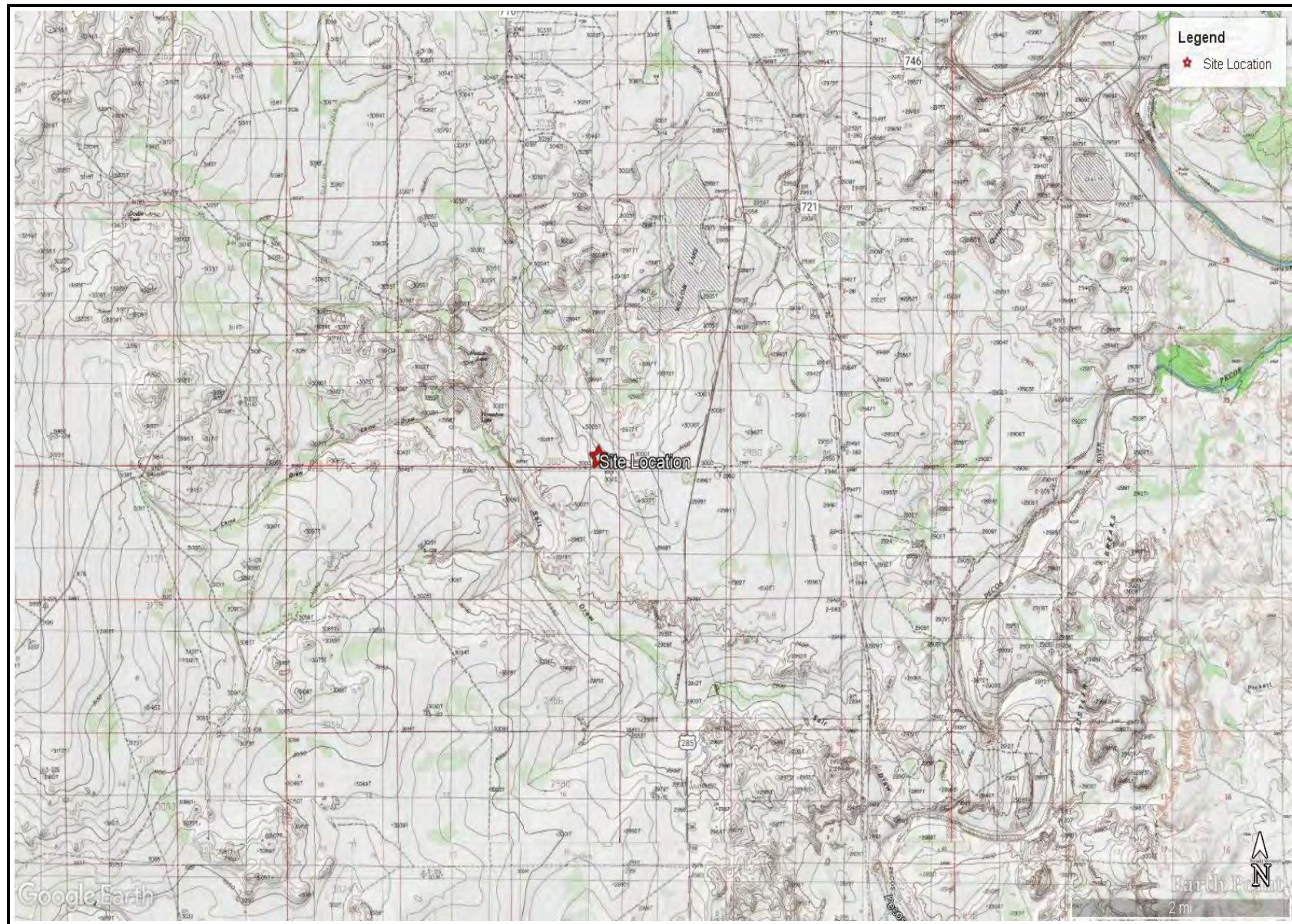
CARMONA RESOURCES











TOPOGRAPHIC MAP  
COG OPERATING, LLC  
REALLY SCARY FEDERAL 005H (2.2.23)  
EDDY COUNTY, NEW MEXICO  
32.1678°, -104.0868°



FIGURE 2





SECONDARY CONTAINMENT MAP  
COG OPERATING, LLC  
REALLY SCARY FEDERAL 005H (2.2.23)  
EDDY COUNTY, NEW MEXICO  
32.1678°, -104.0868°



FIGURE 3

## APPENDIX A

CARMONA RESOURCES





**PHOTOGRAPHIC LOG****Concho Operating, LLC****Photograph No. 1****Facility:** Really Scary Federal 005H (2.2.23)**County:** Eddy County, New Mexico**Description:**

View North, of the lined facility.

**Photograph No. 2****Facility:** Really Scary Federal 005H (2.2.23)**County:** Eddy County, New Mexico**Description:**

View West, of the lined facility.

**Photograph No. 3****Facility:** Really Scary Federal 005H (2.2.23)**County:** Eddy County, New Mexico**Description:**

View West, of the lined facility.





## PHOTOGRAPHIC LOG

Concho Operating, LLC

### Photograph No. 4

**Facility:** Really Scary Federal 005H (2.2.23)

**County:** Eddy County, New Mexico

**Description:**

View West, of the 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	
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.	
<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>02/14/2023</u>

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.)	Percentage of Spilled Fluid Mixture
Rectangle A	137.0	25.0	3.00	4	3425.000	0.063	38.103	0.003	38.222	
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:									38.222	

**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 186245

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 186245
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	2/16/2023



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: Jocelyn Harimon Date: \_\_\_\_\_

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

**OCD Only**

Received by: Jocelyn Harimon Date: 04/13/2023

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: Jocelyn Harimon Date: \_\_\_\_\_

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

**OCD Only**

Received by: Jocelyn Harimon Date: 04/13/2023

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: \_\_\_\_\_

---

**From:** Enviro, OCD, EMNRD  
**Sent:** Monday, March 13, 2023 12:58 PM  
**To:** Mike Carmona  
**Cc:** Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD  
**Subject:** RE: [EXTERNAL] COG Really Scary Federal 5H (02.02.23) Incident No. NAPP2304554173-Notification

Mike,

Thank you for the notification. Please 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.

JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Mike Carmona <[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)>  
**Sent:** Monday, March 13, 2023 10:51 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Conner Moehring <[Cmoehring@carmonaresources.com](mailto:Cmoehring@carmonaresources.com)>; Harris, Jacqui <[Jacqui.Harris@conocophillips.com](mailto:Jacqui.Harris@conocophillips.com)>  
**Subject:** [EXTERNAL] COG Really Scary Federal 5H (02.02.23) Incident No. NAPP2304554173- Notification

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

Good Morning,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on 03/16/2023. Please let me know if you have any questions.

COG Really Scary Federal 5H (02.02.23)  
Incident No. NAPP2304554173  
32.1678°, -104.0868°  
Eddy County, New Mexico



Mike J. Carmona  
310 West Wall Street, Suite 500  
Midland TX, 79701  
M: 432-813-1992  
[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)

CARMONA RESOURCES



## APPENDIX C

CARMONA RESOURCES



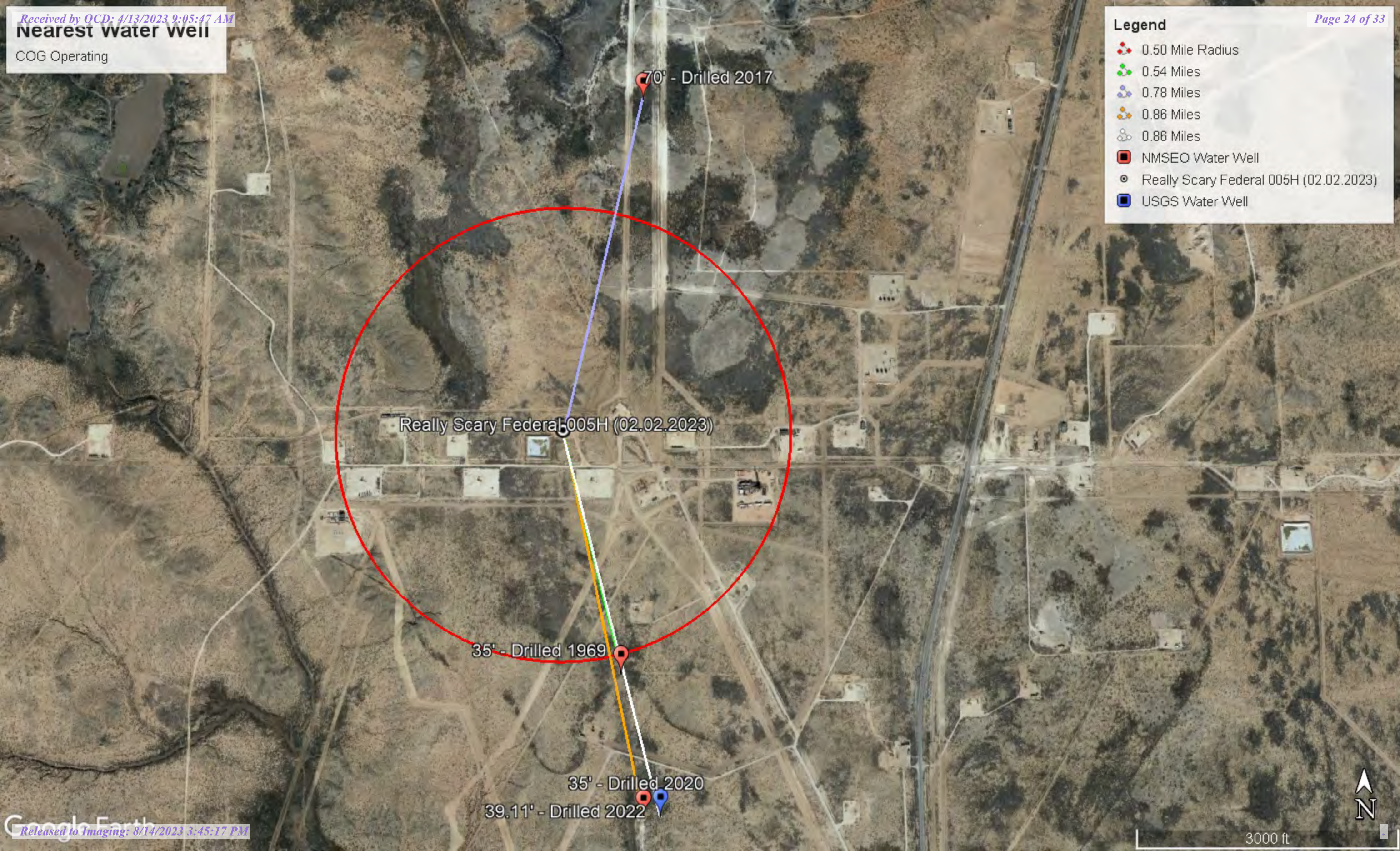


Nearest water well

COG Operating

**Legend**

- 0.50 Mile Radius
- 0.54 Miles
- 0.78 Miles
- 0.86 Miles
- 0.86 Miles
- NMSEO Water Well
- Really Scary Federal 005H (02.02.2023)
- USGS Water Well



Really Scary Federal 005H (02.02.2023)

70' - Drilled 2017

35' - Drilled 1969

35' - Drilled 2020

39.11' - Drilled 2022

3000 ft





# High Karst

COG Operating

## Legend

- High
- Medium
- Really Scary Federal 005H (02.02.2023)

Really Scary Federal 005H (02.02.2023)



3000 ft





# 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 01411</a>	R	C	ED	4	4	2	04	25S	28E	586289	3558522*	877	69	35	34
<a href="#">C 03989 POD1</a>		CUB	ED	4	2	2	33	24S	28E	586342	3560573	1230	100	70	30
<a href="#">C 01411 POD2</a>		C	ED	4	2	4	04	25S	28E	586374	3558036	1370	90	50	40
<a href="#">C 04025 POD1</a>		CUB	ED	4	3	3	27	24S	28E	586700	3560964	1710	190	90	100
<a href="#">C 03988 POD1</a>		CUB	ED	4	4	4	28	24S	28E	586303	3561087	1729	110	95	15
<a href="#">C 02668</a>		C	ED	2	1	2	09	25S	28E	585890	3557525*	1857	150		
<a href="#">C 04222 POD1</a>		CUB	ED	1	3	3	27	24S	28E	586406	3561228	1884	140	35	105
<a href="#">C 04501 POD1</a>		CUB	ED	3	4	1	29	24S	28E	583580	3561778	3464	80		
<a href="#">C 03358 POD1</a>		CUB	ED	1	4	1	26	24S	28E	588416	3562116	3607	135		
<a href="#">C 04181 POD1</a>		CUB	ED	3	2	1	26	24S	28E	588450	3562146	3652	280	56	224
<a href="#">C 04181 POD2</a>		C	ED	3	2	1	26	24S	28E	588393	3562212	3666	80	56	24
<a href="#">C 03423</a>		CUB	ED	2	4	1	26	24S	28E	588786	3561952	3743	126		
<a href="#">C 04151 POD1</a>		CUB	ED	4	2	1	26	24S	28E	588584	3562192	3775	280	65	215
<a href="#">C 04294 POD1</a>		CUB	ED	4	3	3	23	24S	28E	588169	3562646	3886	60		

Average Depth to Water: **61 feet**

Minimum Depth: **35 feet**

Maximum Depth: **95 feet**

Record Count: 14

UTM NAD83 Radius Search (in meters):

Easting (X): 586073

Northing (Y): 3559373

Radius: 4000

\*UTM location was derived from PLSS - see Help

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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	01411	4	4	2	04	25S	28E	586289	3558522*		
<hr/>											
Driller License:	439	Driller Company:				WHITE, QUINCE L.					
Driller Name:	WHITE, QUINCE L.										
Drill Start Date:	10/07/1969	Drill Finish Date:				10/15/1969		Plug Date:			
Log File Date:	10/20/1969	PCW Rev Date:						Source:		Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield:		20 GPM	
Casing Size:	5.00	Depth Well:				69 feet		Depth Water:		35 feet	
<hr/>											
Water Bearing Stratifications:				Top	Bottom	Description					
				52	68	Sandstone/Gravel/Conglomerate					
<hr/>											
Casing Perforations:				Top	Bottom						
				40	69						
<hr/>											

\*UTM location was derived from PLSS - see Help

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3/13/23 10:19 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)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03989 POD1	4	2	2	33	24S	28E	586342	3560573 
Driller License:	1690	Driller Company:				VISION RESOURCES, INC			
Driller Name:	MALEY, JASON								
Drill Start Date:	01/12/2017	Drill Finish Date:				01/13/2017		Plug Date:	
Log File Date:	01/16/2017	PCW Rev Date:						Source:	Shallow
Pump Type:		Pipe Discharge Size:						Estimated Yield:	
Casing Size:	8.00	Depth Well:				100 feet		Depth Water:	70 feet
Water Bearing Stratifications:					Top	Bottom	Description		
					70	100	Sandstone/Gravel/Conglomerate		
Casing Perforations:					Top	Bottom			
					10	60			

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3/13/23 10:21 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>
2237E	C 01411 POD2	4	2	4	04	25S	28E	586374	3558036 
x									
<b>Driller License:</b> 1348		<b>Driller Company:</b>		TAYLOR WATER WELL SERVICE					
<b>Driller Name:</b>		TAYLOR, CLINTON E.E.ENER							
<b>Drill Start Date:</b> 02/09/2020		<b>Drill Finish Date:</b>		02/20/2020		<b>Plug Date:</b>			
<b>Log File Date:</b> 02/21/2020		<b>PCW Rev Date:</b>				<b>Source:</b>		Shallow	
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>		4 GPM	
<b>Casing Size:</b> 5.00		<b>Depth Well:</b>		90 feet		<b>Depth Water:</b>		50 feet	
x									
<b>Water Bearing Stratifications:</b>				<b>Top</b>	<b>Bottom</b>	<b>Description</b>			
				40	60	Other/Unknown			
				60	90	Other/Unknown			
x									
<b>Casing Perforations:</b>				<b>Top</b>	<b>Bottom</b>				
				52	90				
x									

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3/13/23 10:22 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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Groundwater levels for New Mexico

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320921104045601

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

USGS 320921104045601 25S.28E.04.42444

Eddy County, New Mexico  
Latitude 32°09'19.4", Longitude 104°05'00.6" NAD83  
Land-surface elevation 2,973.30 feet above NGVD29  
The depth of the well is 68 feet below land surface.  
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
1983-02-16			D 62610		2948.25	NGVD29	1		Z	
1983-02-16			D 62611		2949.83	NAVD88	1		Z	
1983-02-16			D 72019	25.05			1		Z	
1987-10-14			D 62610		2950.28	NGVD29	1		Z	
1987-10-14			D 62611		2951.86	NAVD88	1		Z	
1987-10-14			D 72019	23.02			1		Z	
1992-11-18			D 62610		2947.50	NGVD29	1		S	
1992-11-18			D 62611		2949.08	NAVD88	1		S	
1992-11-18			D 72019	25.80			1		S	
1998-01-23			D 62610		2945.56	NGVD29	1		S	
1998-01-23			D 62611		2947.14	NAVD88	1		S	
1998-01-23			D 72019	27.74			1		S	
2003-01-27			D 62610		2944.13	NGVD29	1		S	USGS
2003-01-27			D 62611		2945.71	NAVD88	1		S	USGS

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				S
2003-01-27		D	72019	29.17		1	S USGS
2013-01-10	21:00 UTC	m	62610	2941.40	NGVD29	1	S USGS
2013-01-10	21:00 UTC	m	62611	2942.98	NAVD88	1	S USGS
2013-01-10	21:00 UTC	m	72019	31.90		1	S USGS
2018-02-14	17:22 UTC	m	62610	2933.64	NGVD29	P	S USGS
2018-02-14	17:22 UTC	m	62611	2935.22	NAVD88	P	S USGS
2018-02-14	17:22 UTC	m	72019	39.66		P	S USGS
2021-02-24	19:26 UTC	m	62610	2938.30	NGVD29	1	S USGS
2021-02-24	19:26 UTC	m	62611	2939.88	NAVD88	1	S USGS
2021-02-24	19:26 UTC	m	72019	35.00		1	S USGS
2022-01-13	18:05 UTC	m	62610	2934.19	NGVD29	1	V USGS
2022-01-13	18:05 UTC	m	62611	2935.77	NAVD88	1	V USGS
2022-01-13	18:05 UTC	m	72019	39.11		1	V 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
Status	P	Pumping
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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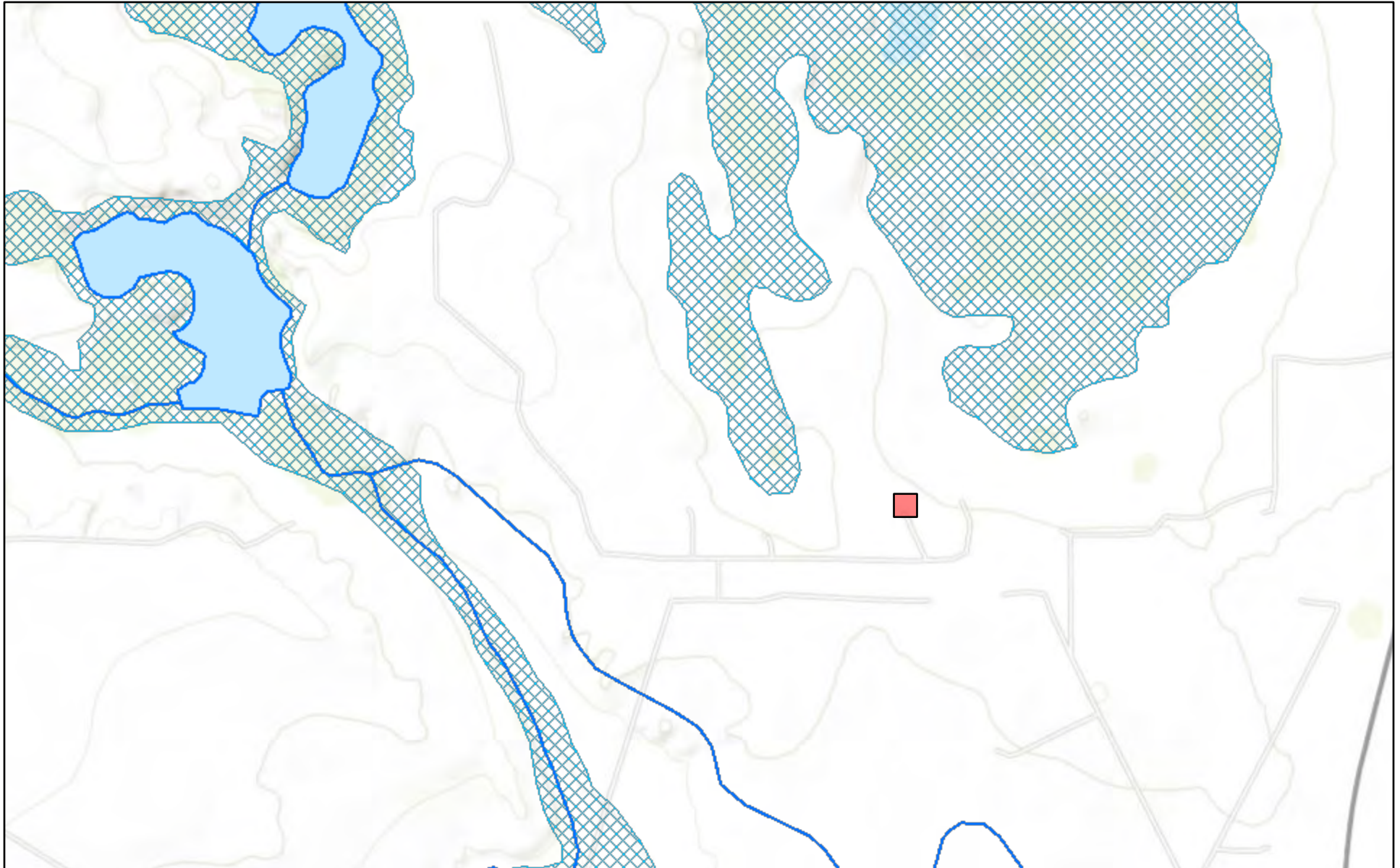
Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320921104045601&agency_cd=USGS&format=html)Page Contact Information: [New Mexico Water Data Maintainer](#)

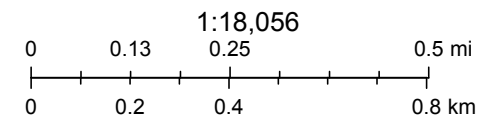
Page Last Modified: 2023-03-13 12:25:43 EDT

0.33 0.29 nadww01

## New Mexico NFHL Data



March 13, 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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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 207301

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 207301
	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 #NAPP2304554173 REALLY SCARY FEDERAL 005H, thank you. This closure is approved.	8/14/2023