



## SITE INFORMATION

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**Closure Report**  
**Red Sauce State Com 001H (01.12.23)**  
**Eddy County, New Mexico**  
**Incident ID: NAPP2302432694**  
**Unit L Sec 08 T25S R30E**  
**32.1438°, -103.9086°**

**Crude Oil Release**  
**Point of Release: Hole at Bottom of Tank**  
**Release Date: 01.12.23**  
**Volume Released: 24 barrels of Crude Oil**  
**Volume Recovered: 15 barrels of Crude Oil**

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**

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February 2, 2023

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

**Re: Closure Report**  
**Red Sauce State Com 001H (01.12.23)**  
**Concho Operating, LLC**  
**Incident ID: NAPP230243694**  
**Site Location: Unit L, S08, T25S, R30E**  
**(Lat 32.1438°, Long -103.9086°)**  
**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 Red Sauce State Com 001H (01.12.23). The site is located at 32.1438°, -103.9086° within Unit L, S08, T25S, R30E, 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 January 12, 2023, caused by a hole in the bottom of the tank. It resulted in approximately twenty-four (24) barrels of crude oil released and approximately fifteen (15) barrels of crude oil was 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 low 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 3.42 miles Northeast of the site in S02, T25S, R29E and was drilled in 1958. The well has a reported depth to groundwater of 98.10' 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 January 31, 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 January 27, 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, don't hesitate to contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

Mike Carmona  
Environmental Manager

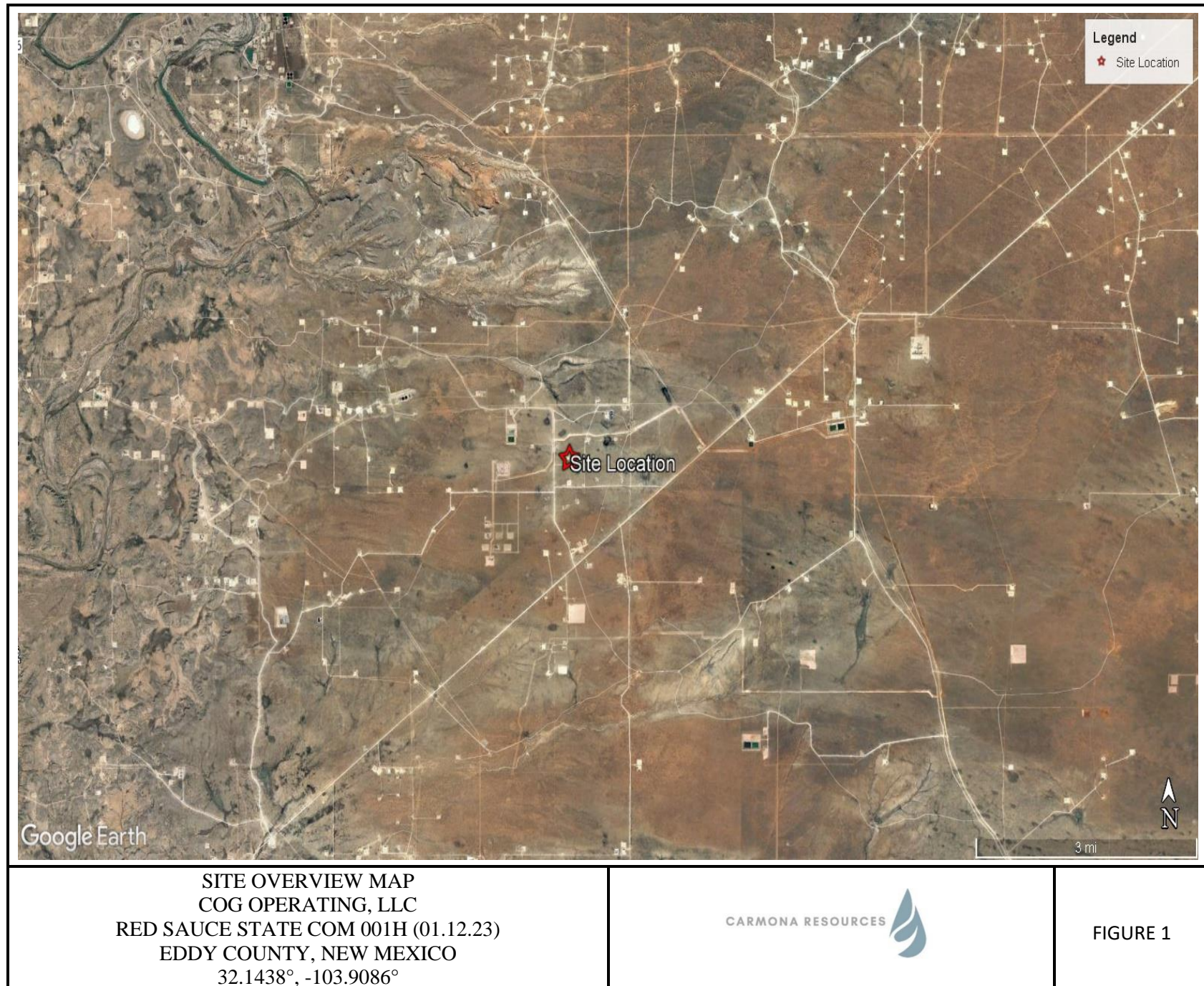
Conner Moehring  
Sr. Project Manager

## FIGURES

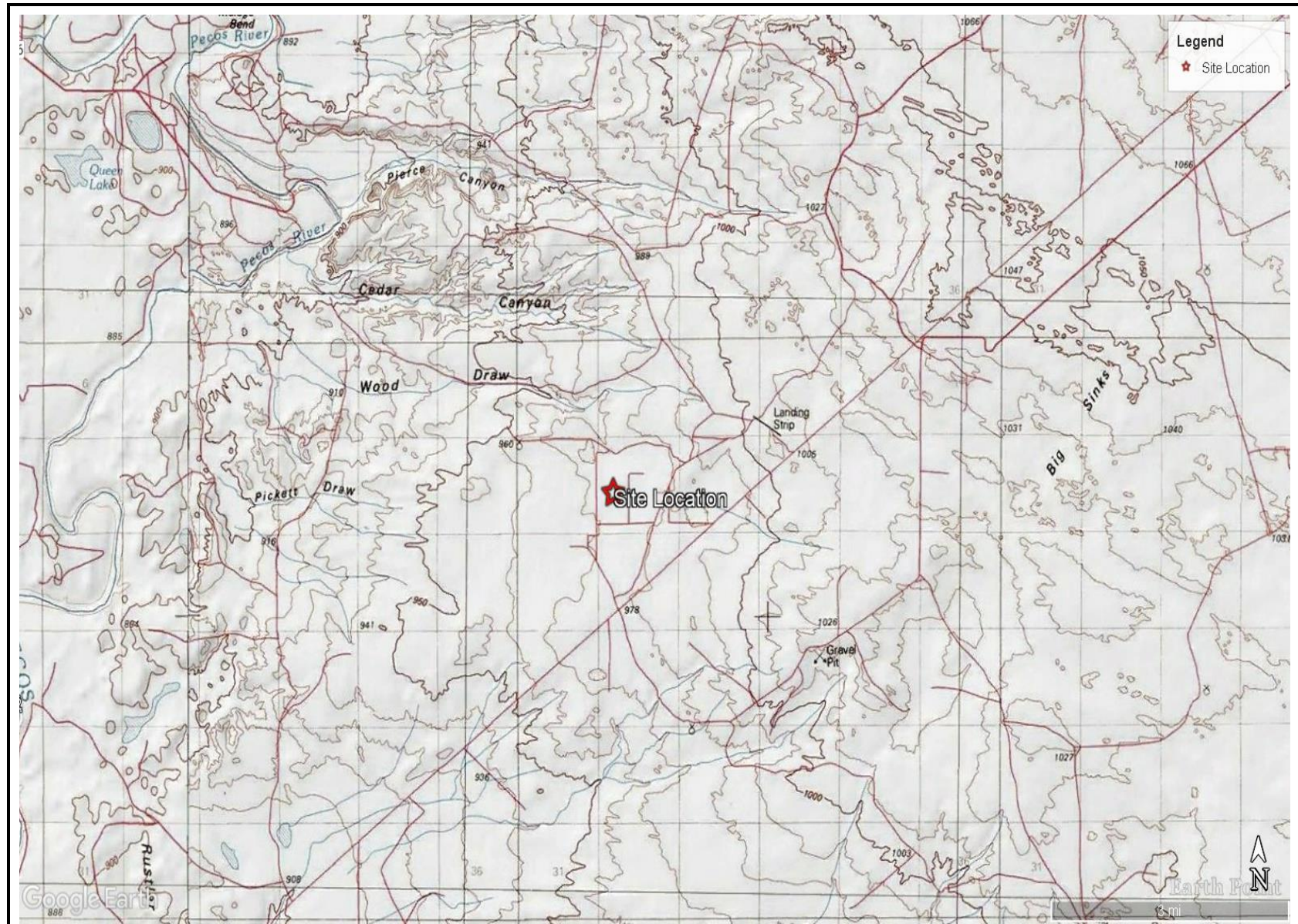
CARMONA RESOURCES











TOPOGRAPHIC MAP  
COG OPERATING, LLC  
RED SAUCE STATE COM 001H (01.12.23)  
EDDY COUNTY, NEW MEXICO  
32.1438°, -103.9086°



FIGURE 2







## APPENDIX A

CARMONA RESOURCES



## PHOTOGRAPHIC LOG

Concho Operating, LLC

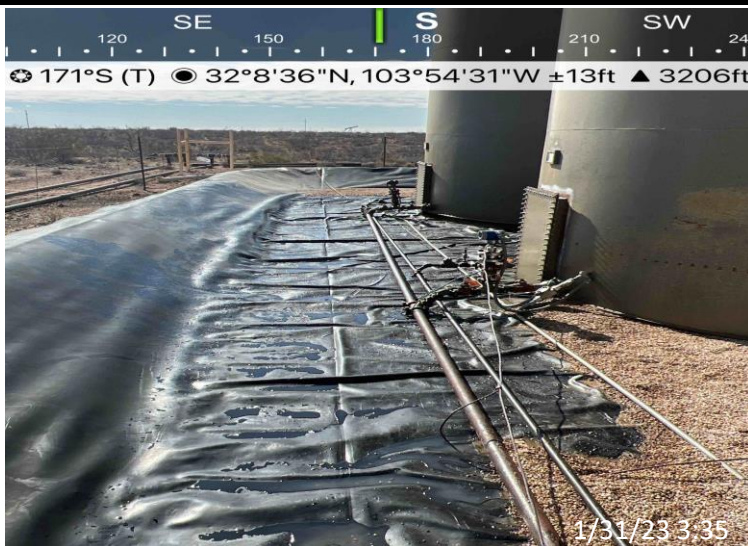
## Photograph No. 1

**Facility:** Red Sauce State Com 001H  
(01.12.23)

**County:** Eddy County, New Mexico

**Description:**

View South, area of the liner after pea gravel has been removed.



## Photograph No. 2

**Facility:** Red Sauce State Com 001H  
(01.12.23)

**County:** Eddy County, New Mexico

**Description:**

View South, area of the liner after pea gravel has been removed.



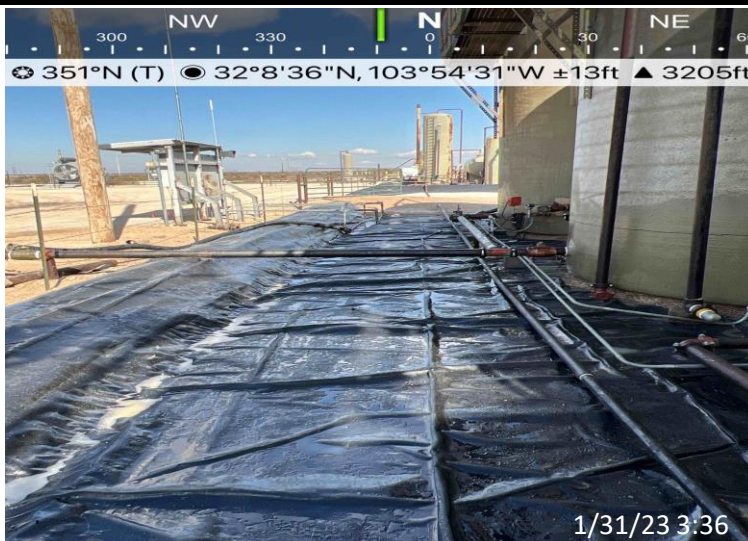
## Photograph No. 3

**Facility:** Red Sauce State Com 001H  
(01.12.23)

**County:** Eddy County, New Mexico

**Description:**

View North, area of the liner after pea gravel has been removed.



## 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>Patricia Zapanta</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

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: 03/27/2023

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: 03/27/2023

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: Shelly Wells Date: 8/16/2023

Printed Name: Shelly Wells Title: Environmental Specialist-Advanced

---

**From:** Conner Moehring  
**Sent:** Friday, January 27, 2023 2:31 PM  
**To:** OCD.Enviro@emnrd.nm.gov <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Mike Carmona; Jacqui.Harris@conocophillips.com  
**Subject:** COG – Red Sauce State Com 001H (01.12.23) - Liner Inspection Notification

Good Afternoon,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on 1/31/23 around 3:30 p.m. Mountain Time. Please let me know if you have any questions.

COG – Red Sauce State Com 001H (01.12.23)  
NAPP2302432694  
Eddy County, New Mexico  
32.1438, -103.9086  
Sec 08 T25S R30E Unit L

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

CARMONA RESOURCES





## APPENDIX C

CARMONA RESOURCES



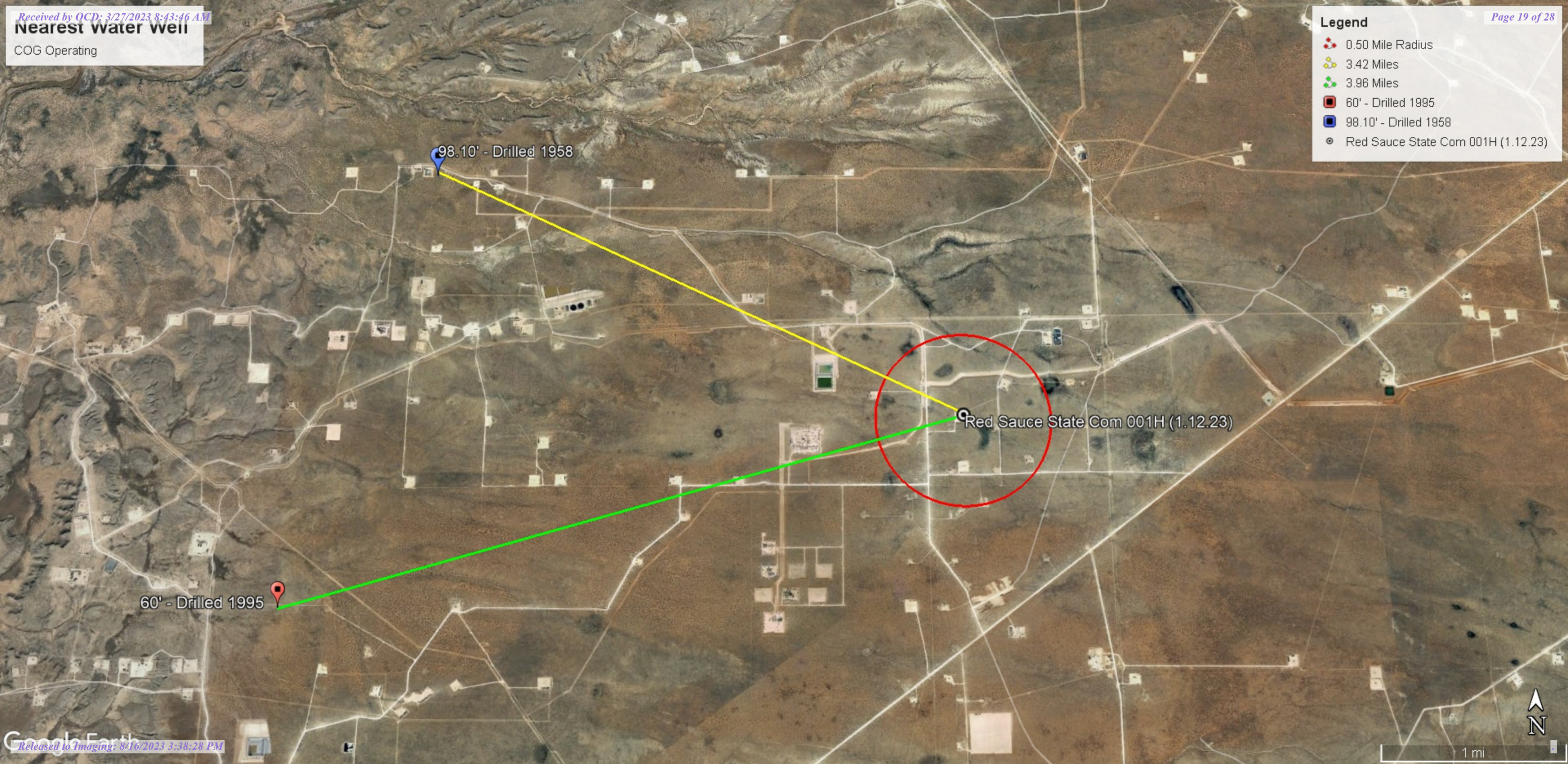


**Nearest Water Well**

COG Operating

**Legend**

- 0.50 Mile Radius
- 3.42 Miles
- 3.96 Miles
- 60' - Drilled 1995
- 98.10' - Drilled 1958
- Red Sauce State Com 001H (1.12.23)





LOW KARST

COG Operating

Legend



Low



Red Sauce State Com 001H (1.12.23)

Red Sauce State Com 001H (1.12.23)







# 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 04529 POD1</a>	CUB	ED		1	3	1	18	25S	30E	601077	3555733	2187			
<a href="#">C 04608 POD1</a>	CUB	ED		1	1	2	12	25S	29E	600080	3557719	2966	55		
<a href="#">C 01379</a>	C	ED		4	4	3	10	25S	30E	606571	3556355*	3681	400		
<a href="#">C 04604 POD1</a>	CUB	ED		1	1	3	01	25S	29E	599401	3558388	3831	102		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 4

UTM NAD83 Radius Search (in meters):

**Easting (X):** 602930

**Northing (Y):** 3556896.64

**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.

2/2/23 9:41 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click forNews Bulletins

Groundwater levels for New Mexico

Click for state-specific text

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

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320956103574301

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

USGS 320956103574301 25S.29E.02.11111

Eddy County, New Mexico  
Latitude 32°09'56", Longitude 103°57'43" NAD27  
Land-surface elevation 3,000 feet above NAVD88  
The depth of the well is 140 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 measu
1958-10-23			D	62610	2900.31	NGVD29	1		Z	
1958-10-23			D	62611	2901.90	NAVD88	1		Z	
1958-10-23			D	72019	98.10		1		Z	

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
<a href="#">Parameter code</a>	62611	<a href="#">Groundwater level above NAVD 1988, feet</a>
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
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.

---

[Questions about sites/data?](#)

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[Automated retrievals](#)

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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: 2023-02-02 12:42:16 EST

0.27 0.23 nadww02



*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
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
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100	100

**Q64 Q16 Q4 Sec TwS Rng**

X	Y
1	1
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C 02371

2 3 15 25S 29E 596741 3555106\* 

X

**Driller License:** 1259

**Driller Company:** CAMPBELL DRILLING

**Driller Name:** CAMPBELL, MICHAEL R.

**Drill Start Date:** 01/12/1995

Drill Finish Date: 01/24/1995

**Plug Date:**

Log File Date: 02/01/1995

PCW Rcv Date:

**Source:** Shallow

**Pump Type:**

### Pipe Discharge Size:

**Estimated Yield:** 20 GPM

**Casing Size:** 7.00

**Depth Well:** 200 feet

**Depth Water:** 60 feet

—  
x

### Water Bearing Stratifications:

Top	Bottom	Description
-----	--------	-------------

162	200	Sandstone/Gravel/Conglomerate
-----	-----	-------------------------------

X

### Casing Perforations:

**Top Bottom**

140      200

—  
X

**\*UTM location was derived from PLSS - see Help**

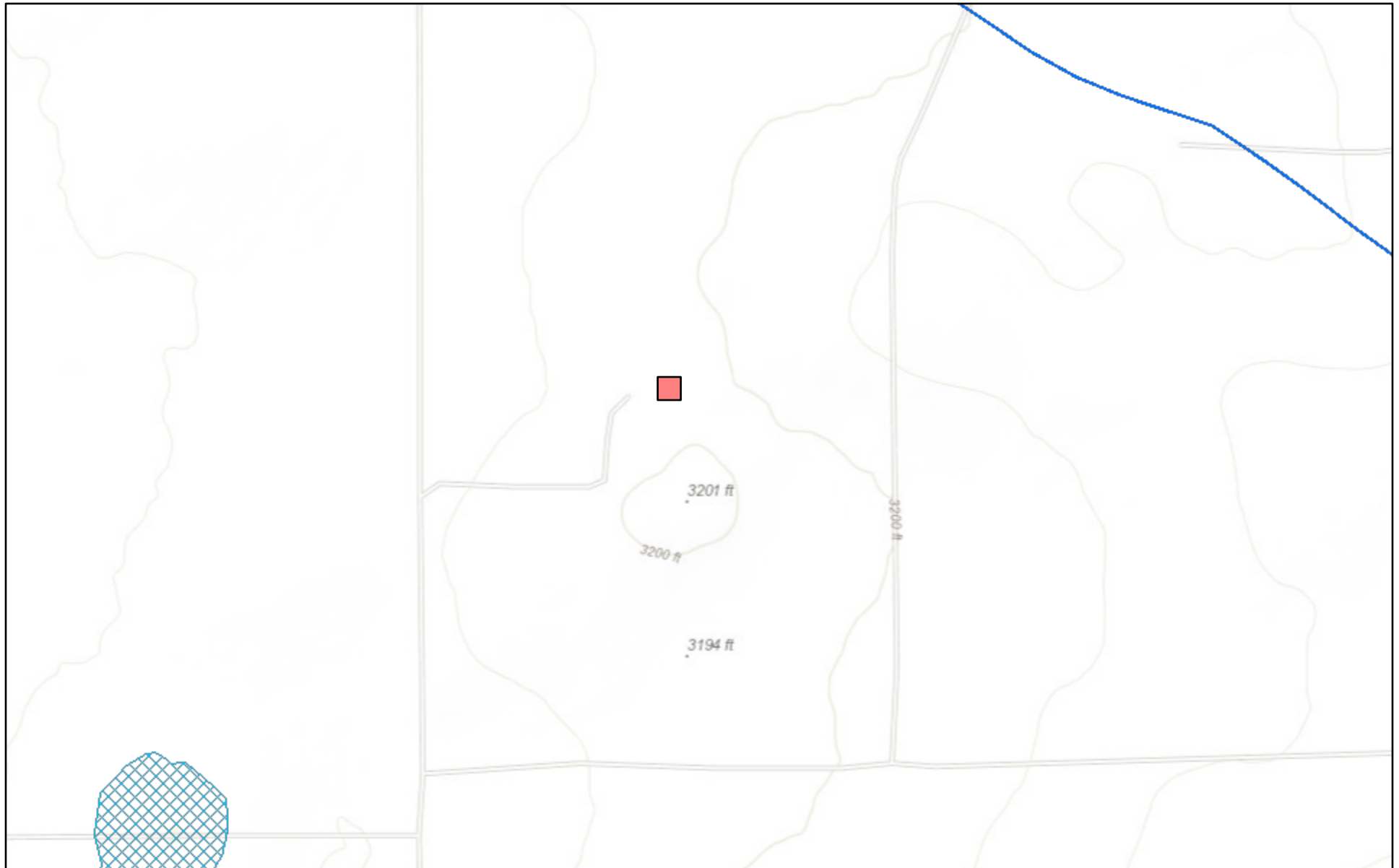
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/2/23 10:36 AM

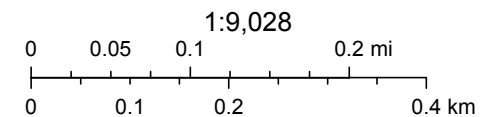
### POINT OF DIVERSION SUMMARY



# New Mexico NFHL Data



January 31, 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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## APPENDIX D

CARMONA RESOURCES



## APPENDIX E

CARMONA RESOURCES



**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 200899

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 200899
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/16/2023