

SITE INFORMATION

Closure Report
Ridge Nose Federal Com #1H (07.08.22)
Incident #: NAPP2221537537
Eddy County, New Mexico
Unit G Sec 31 T26S R29E
32.000605°, -104.022330°

Produced Water Release
Point of Release: Tank overflow
Release Date: 07/08/2022

Volume Released: 20 barrels of Produced Water Volume Recovered: 20 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

> 310 West Wall Street, Suite 415 Midland TX, 79701 432.813.1992



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October 11, 2022

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

Re: Closure Report

Ridge Nose Federal Com #1H (07.08.22) Concho Operating, LLC Incident ID NAPP2221537537 Site Location: Unit G, S31, T26S, R29E (Lat 32.000605°, Long -104.022330°)

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 Ridge Nose Federal Com #1H (07.08.22). The site is located at 32.000605°, -104.022330° within Unit G, S31, T26S, R29E, 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 June 8, 2022, due to tanks overflowing inside the secondary containment. It resulted in the release of approximately twenty (20) barrels of produced water and twenty (20) 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 medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source. The closest well is located approximately 2.96 miles Northwest of the site in S27, T26S, R28E and was drilled in 2017. The well has a reported depth to groundwater of 145' 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.

310 West Wall Street, Suite 415 Midland TX, 79701 432.813.1992



4.0 Liner Inspection Activities

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

Conner Moehring

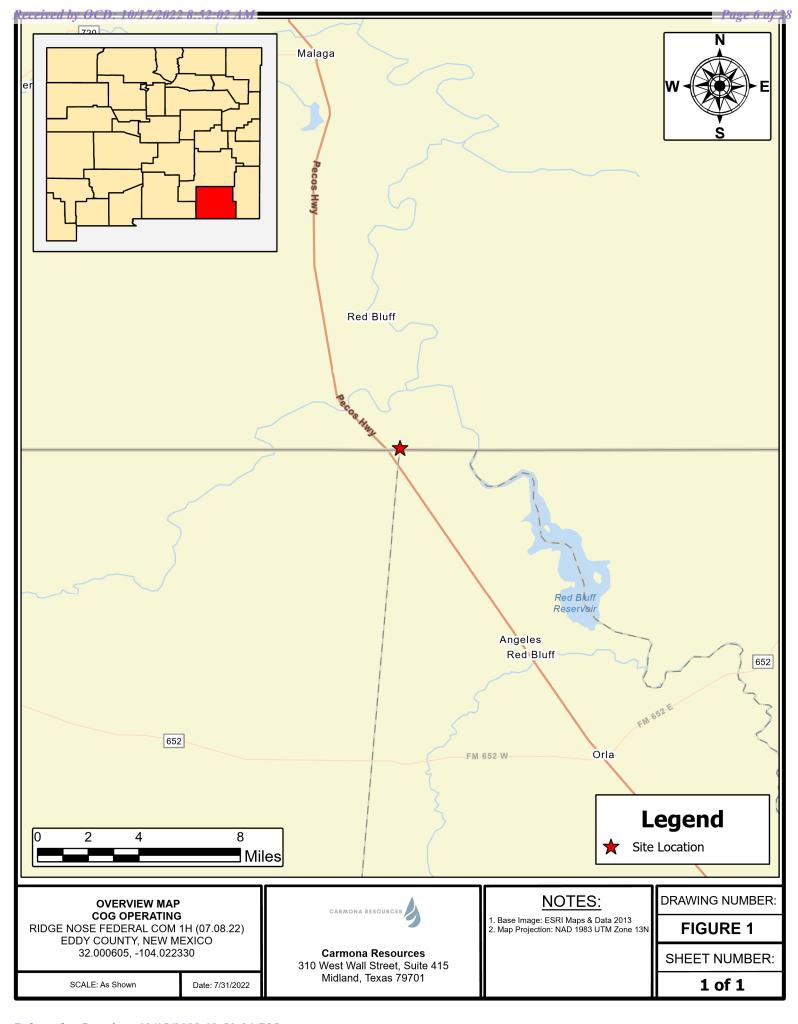
Sr. Project Manager

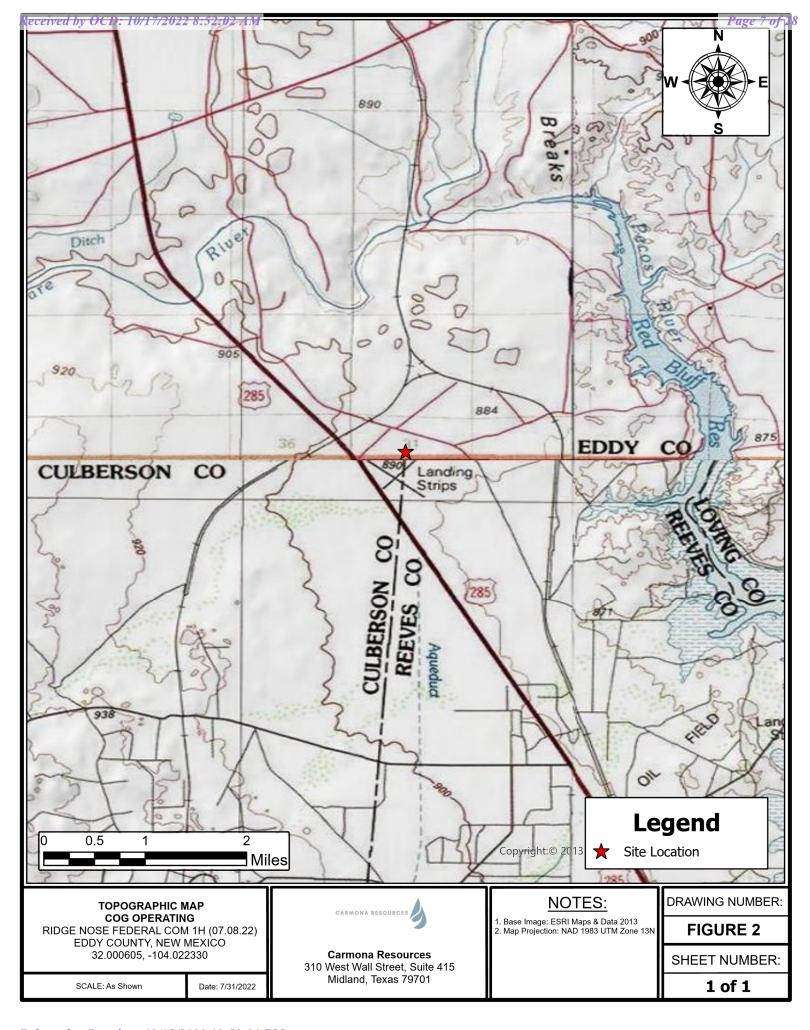
Ashton Thielke

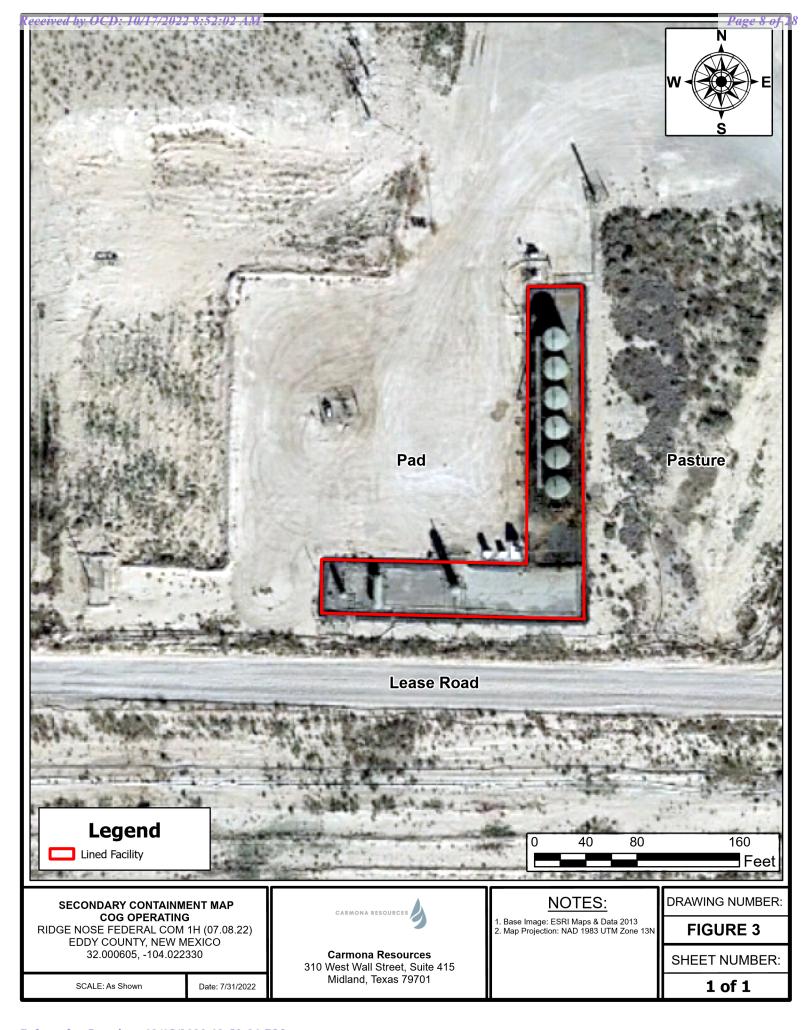
Sr. Project Manager

FIGURES

CARMONA RESOURCES







APPENDIX A

CARMONA RESOURCES

Concho Operating, LLC

Photograph No. 1

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View Southwest of lined facility.



Photograph No. 2

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View North of lined facility.



Photograph No. 3

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View North of lined facility.





Concho Operating, LLC

Photograph No. 4

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View North of lined facility.



Photograph No. 5

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View South of lined facility.



Photograph No. 6

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View Southeast of lined facility.





Concho Operating, LLC

Photograph No. 7

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View North of lined facility with new gravel.



Photograph No. 8

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View West of lined facility with new gravel.



Photograph No. 9

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View Northeast of lined facility with new gravel.





Concho Operating, LLC

Photograph No. 10

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View East of lined facility with new gravel.



Photograph No. 11

Facility: Ridge Nose Federal Com #1H

(07.08.22)

County: Eddy County, New Mexico

Description:

View Southwest of lined facility with new gravel.



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 OGRIE | | OGRID | | | | |
|--|--|--|------------------|-------------------------|--------------------------------|---|
| Contact Name Con | | Contact T | tact Telephone | | | |
| Contact email Inc | | Incident # | (assigned by OCI | D) | | |
| Contact mail | ing address | | | | | |
| | | | Location | of Release S | ource | |
| Latitude Longitude (NAD 83 in decimal degrees to 5 decimal places) | | | | | | |
| Site Name | | | | Site Type | | |
| Date Release | Discovered | | | API# (if app | plicable) | |
| Unit Letter | Section | Township | Range | Cour | nty | |
| Crude Oil | Material | Federal Tr | Nature and | Volume of | justification for t | he volumes provided below) covered (bbls) |
| | duced Water Volume Released (bbls) | | | Volume Recovered (bbls) | | |
| Troduced | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | | | No | | |
| Condensa | | | | Volume Recovered (bbls) | | |
| ☐ Natural Gas Volume Released (Mcf) | | Volume Rec | covered (Mcf) | | | |
| Other (des | scribe) | Volume/Weight Released (provide units) | | Volume/We | ight Recovered (provide units) | |
| Cause of Rela | ease | | | | | |

Received by OCD: 10/17/2022 8:52:02 AM State of New Mexico Oil Conservation Division Page 2

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|---|------|----|----|----|
| D | | | | |
| D | | | | |

| Incident ID | |
|----------------|--|
| District RP | |
| Facility ID | |
| Application ID | |

| Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No | If YES, for what reason(s) does the resp | oonsible party consider this a major release? |
|---|---|---|
| If YES, was immediate no | otice given to the OCD? By whom? To | whom? When and by what means (phone, email, etc)? |
| | | |
| | Initial 1 | Response |
| The responsible | party must undertake the following actions immedia | stely unless they could create a safety hazard that would result in injury |
| The source of the rele | ease has been stopped. | |
| ☐ The impacted area ha | s been secured to protect human health a | nd the environment. |
| Released materials ha | ave been contained via the use of berms of | r dikes, absorbent pads, or other containment devices. |
| ☐ All free liquids and re | ecoverable materials have been removed | and managed appropriately. |
| | d above have <u>not</u> been undertaken, explai | |
| has begun, please attach | a narrative of actions to date. If remedi | e remediation immediately after discovery of a release. If remediation al efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation. |
| regulations all operators are public health or the environr failed to adequately investig | required to report and/or file certain release n ment. The acceptance of a C-141 report by th ate and remediate contamination that pose a t | ne best of my knowledge and understand that pursuant to OCD rules and otifications and perform corrective actions for releases which may endanger to OCD does not relieve the operator of liability should their operations have an original performance water, human health or the environment. In of responsibility for compliance with any other federal, state, or local laws |
| Printed Name | | Title: |
| Signature: | tanegoparge | Date: |
| email: | | Telephone: |
| | | |
| OCD Only | | |
| Received by: | | Date: |

| Received by OCD: 10/17/2022 | 8:52:02 AM |
|-----------------------------|---------------------------|
| Form C-141 | State of New Mexico |
| Page 3 | Oil Conservation Division |

| | I uge 17 of 1 |
|----------------|---------------|
| 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? | ☐ Yes ☐ No | | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☐ 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)? | ☐ Yes ☐ No | | |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☐ 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? | ☐ Yes ☐ No | | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☐ No | | |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☐ No | | |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☐ No | | |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☐ No | | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☐ No | | |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☐ No | | |
| Did the release impact areas not on an exploration, development, production, or storage site? | ☐ Yes ☐ 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 well 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 | ls. | | |

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.

Received by OCD: 10/17/2022 8:52:02 AM
Form C-141 State of New Mexico
Page 4 Oil Conservation Division

| | Page 18 of 2 | 28 |
|----------------|--------------|----|
| 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 | | | |
| failed to adequately investigate and remediate contamination that pose a thi | | | |
| addition, OCD acceptance of a C-141 report does not relieve the operator o | | | |
| and/or regulations. | responsionity for compliance with any other reactal, state, or local laws | | |
| and/or regulations. | | | |
| D' (13) | TP'd | | |
| Printed Name: | Title: | | |
| Signature: Jacque Horis | | | |
| Signature: /acqu /hour | Date: | | |
| | | | |
| email: | Telephone: | | |
| Cinaii. | Telephone. | | |
| | | | |
| | | | |
| OCD Only | | | |
| | | | |
| Received by: Jocelyn Harimon | Date: 10/17/2022 | | |
| | <u>10/11/2022</u> | | |
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|----------------|---------------|
| 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 19.15.29.1 | 1 NMAC | | | | |
|--|---|--|--|--|--|
| Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office ast be notified 2 days prior to liner inspection) | | | | | |
| ☐ Laboratory analyses of final sampling (Note: appropriate ODC | C 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: | | | | |
| | Telephone: | | | | |
| | | | | | |
| OCD Only | | | | | |
| Received by: | Date:10/17/2022 | | | | |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations. | | | | |
| Closure Approved by: | Date: | | | | |
| Printed Name: | | | | | |

From: Mike Carmona

Sent: Tuesday, July 19, 2022 9:58 AM

To: OCD.Enviro@state.nm.us **Cc:** Conner Moehring; Harris, Jacqui

Subject: COG Ridge Nose Fed Com #1H (7.08.22) Notification

Good Morning,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on <u>07/21/2022</u>. Please let me know if you have any questions.

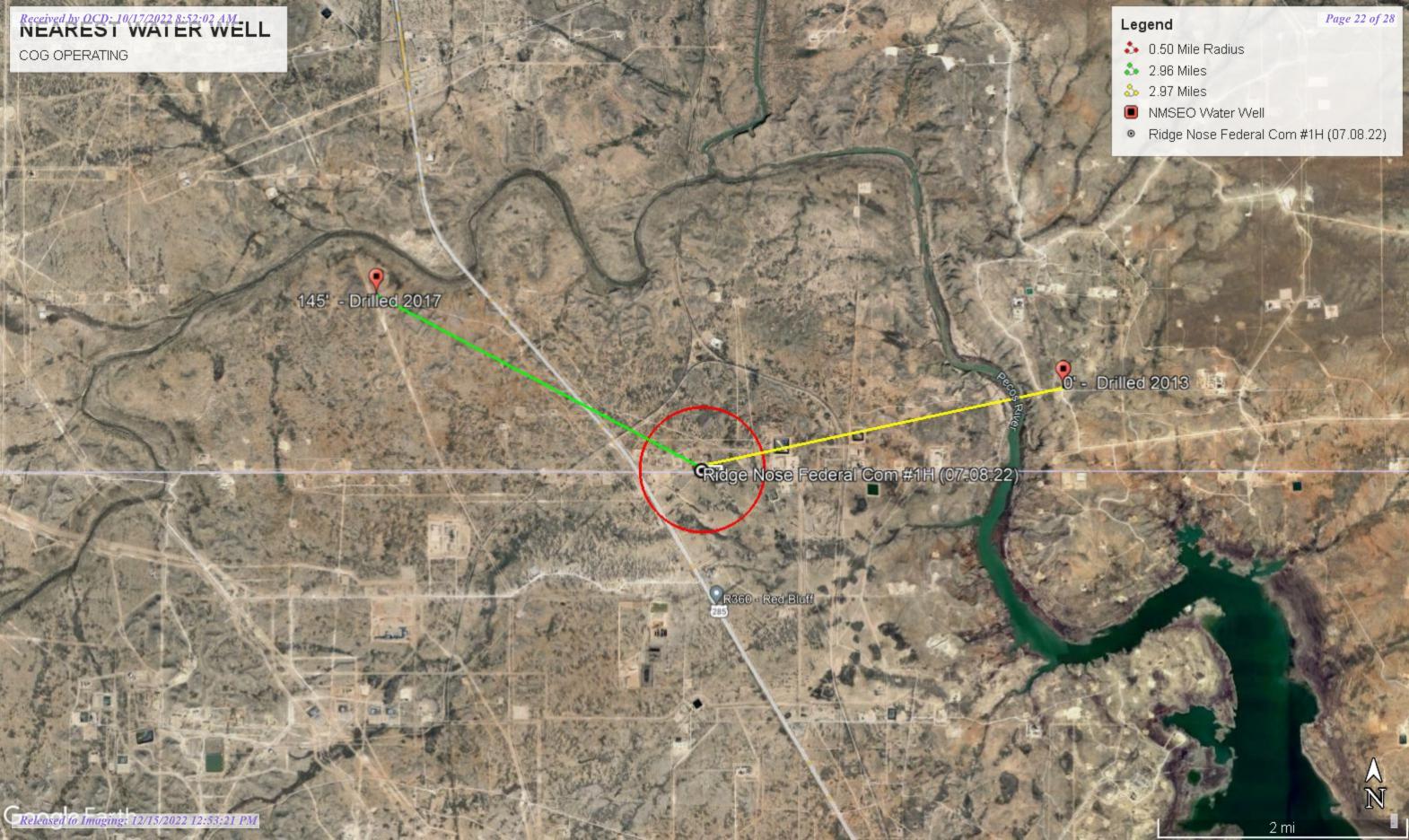
Ridge Nose Fed Com #1H (7.08.22) 32.0006°, -104.0224° Eddy County, New Mexico

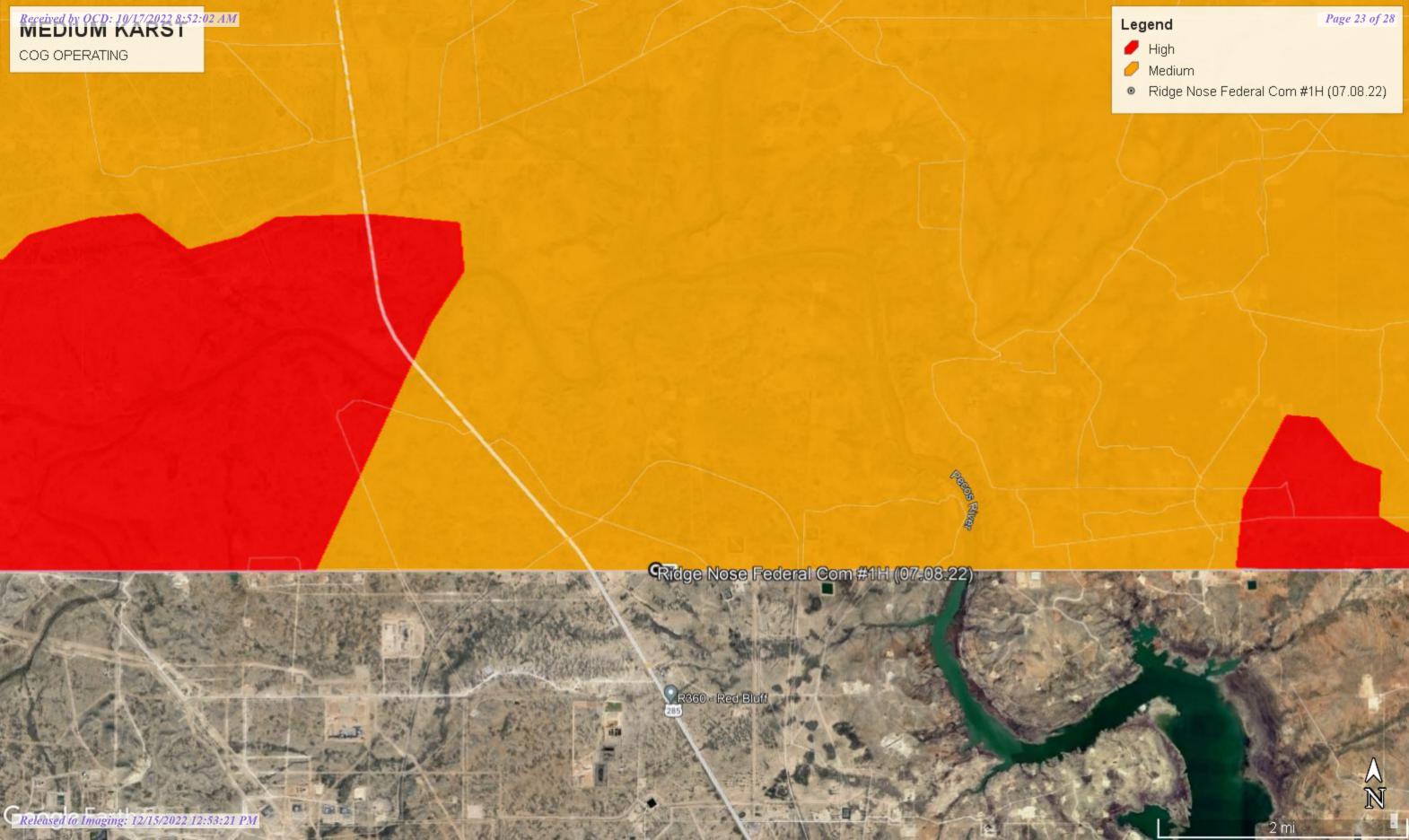
Mike J. Carmona 310 West Wall Street, Suite 415 Midland TX, 79701 M: 432-813-1992 Mcarmona@carmonaresources.com



APPENDIX C

CARMONA RESOURCES







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 Sub- | | QQ | Q | | | | | | | Depth | Depth | Water |
|--------------|-------------|--------|-------|---|-----|-----|-----|--------|-----------|----------|-------|-------|--------|
| POD Number | Code basin | County | 64 16 | 4 | Sec | Tws | Rng | Х | Υ | Distance | • | - | Column |
| C 04022 POD2 | CUB | ED | 2 2 | 2 | 27 | 26S | 28E | 588106 | 3543082 🌍 | 4772 | 250 | 145 | 105 |
| C 03605 POD1 | CUB | ED | 4 2 | 3 | 27 | 26S | 29E | 596990 | 3541983 🎒 | 4775 | 45 | 0 | 45 |
| C 04630 POD1 | CUB | ED | 3 4 | 3 | 22 | 26S | 29E | 596792 | 3543275 🌍 | 5051 | | | |

Average Depth to Water: 72 feet

> Minimum Depth: 0 feet

Maximum Depth: 145 feet

Record Count: 3

UTMNAD83 Radius Search (in meters):

Radius: 6000 Easting (X): 592342.85 Northing (Y): 3540884.12

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

C 03605 POD1

Q64 Q16 Q4 Sec Tws Rng 27 26S 29E

596990 3541983

Driller License: 1249 **Driller Company:**

ATKINS ENGINEERING ASSOC. INC.

Driller Name: ATKINS, JACKIE D. (LD)

Drill Finish Date:

01/23/2013 **Plug Date:** 01/28/2013

Drill Start Date:

01/23/2013

PCW Rcv Date:

Log File Date:

02/26/2013

Source:

Pipe Discharge Size:

Estimated Yield:

Pump Type: Casing Size:

Depth Well:

45 feet

Depth Water: 0 feet

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, or suitability for any particular purpose of the data.

7/25/22 1:25 PM

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

C 04022 POD2

27 26S 28E

588106 3543082

Driller License: 1184 **Driller Company:**

WEST TEXAS WATER WELL SERVICE

Driller Name: KEITH, RONNY

Drill Start Date: 05/08/2017 **Drill Finish Date:**

05/12/2017 **Plug Date:**

Log File Date:

06/05/2017

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

60 GPM

Casing Size:

12.25

Depth Well:

250 feet

Depth Water:

145 feet

Water Bearing Stratifications: Top Bottom Description

> 150 Sandstone/Gravel/Conglomerate 160 Sandstone/Gravel/Conglomerate 180 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

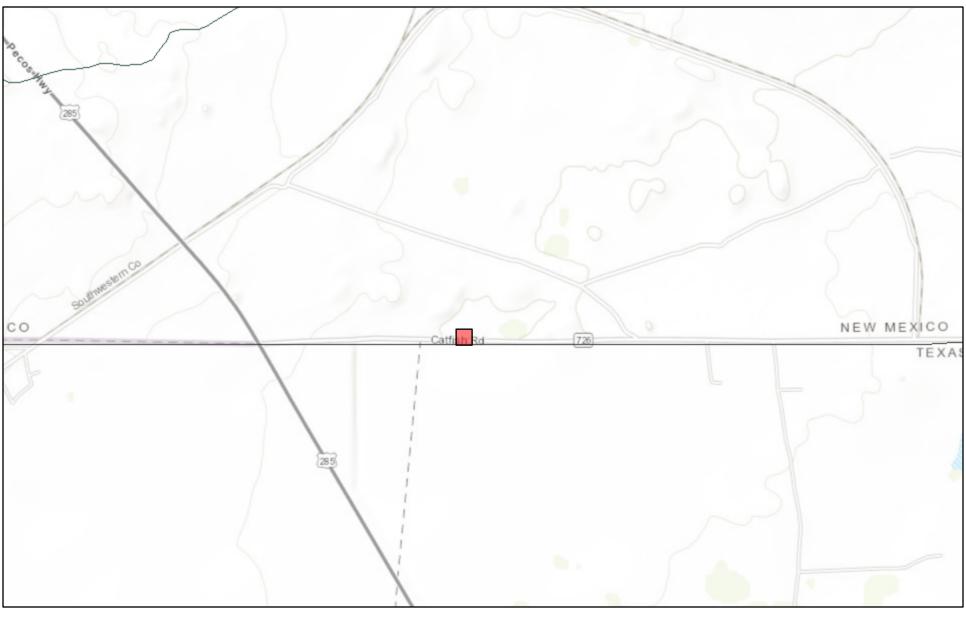
130 250

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

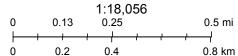
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POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



July 25, 2022



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

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

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 151128

CONDITIONS

| Operator: | OGRID: |
|--------------------|---|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 151128 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|--------------------------|----------------|
| jnobui | Closure Report Approved. | 12/15/2022 |