

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: Robert Hamlet Date: _____

Printed Name: _____ Title: _____

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Tomahawk Federal 20 O CTB (01.03.23)
Eddy County, New Mexico
Incident ID: NAPP2301249641
Unit O Sec 20 T24S R28E
32.1969°, -104.1087°

Produced Water Release
Point of Release: Discharge Line
Release Date: 01.03.23
Volume Released: 21 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 500
Midland, Texas 79701

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

TABLE OF CONTENTS

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2.0 SITE CHARACTERIZATION AND GROUNDWATER

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APPENDIX C SITE CHARACTERIZATION AND GROUNDWATER

February 2, 2023

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

Re: Closure Report
Tomahawk Federal 20 O CTB (01.03.23)
Concho Operating, LLC
Incident ID: NAPP2301249641
Site Location: Unit O, S20, T24S, R28E
(Lat 32.1969°, Long -104.1087°)
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 Tomahawk Federal 20 O CTB (01.03.23). The site is located at 32.1969 °, -104.1087° within Unit O, S20, 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 January 3, 2023, caused by a hole in a discharge line. It resulted in approximately twenty-one (21) barrels of produced water released and approximately 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 sources are within a 0.50-mile radius of the location. The closest well is located approximately 0.96 miles Northeast of the site in S20, T24S, R28E and was drilled in 1954. The well has a reported depth to groundwater of 48' 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

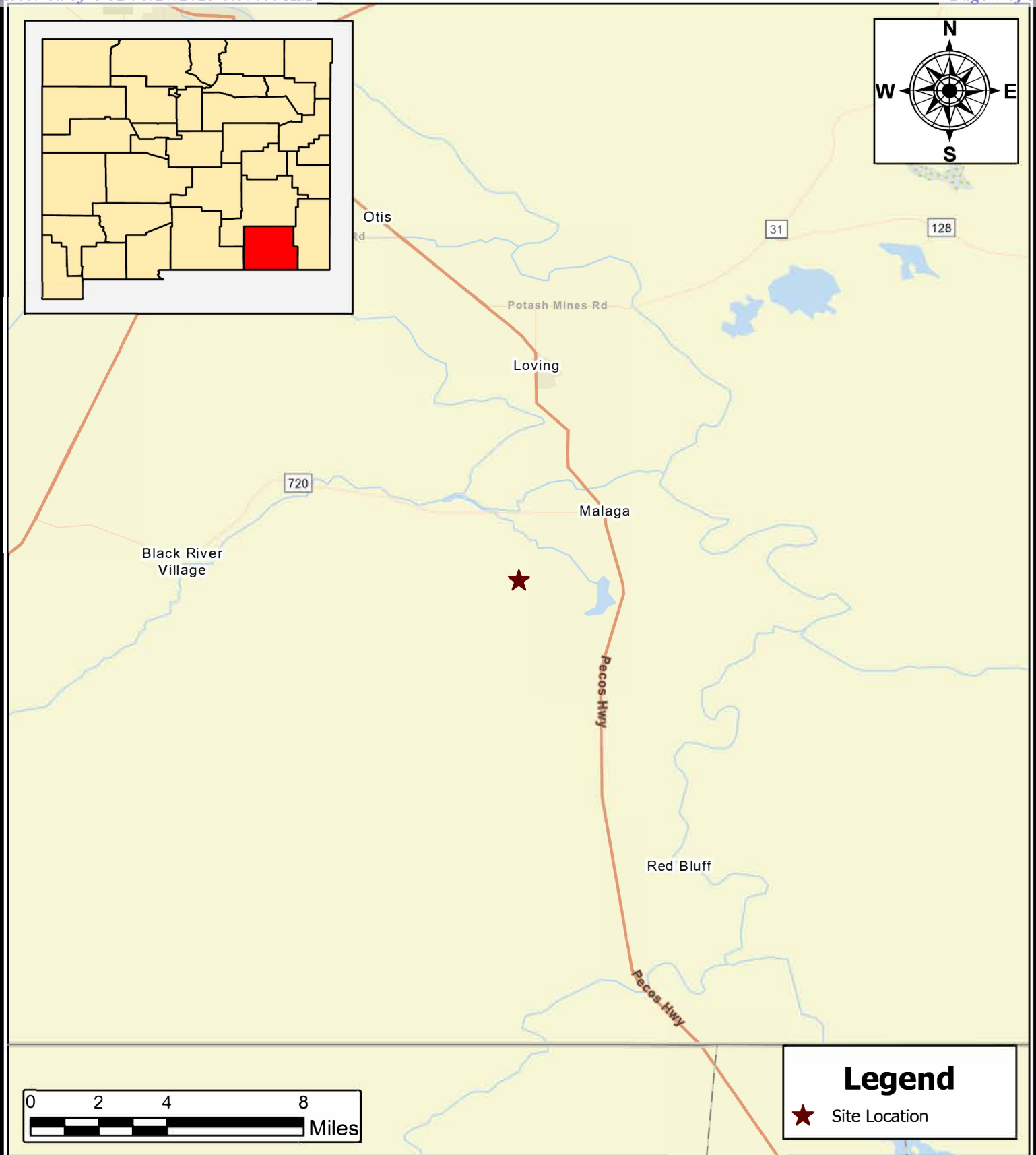
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager


FIGURES

CARMONA RESOURCES



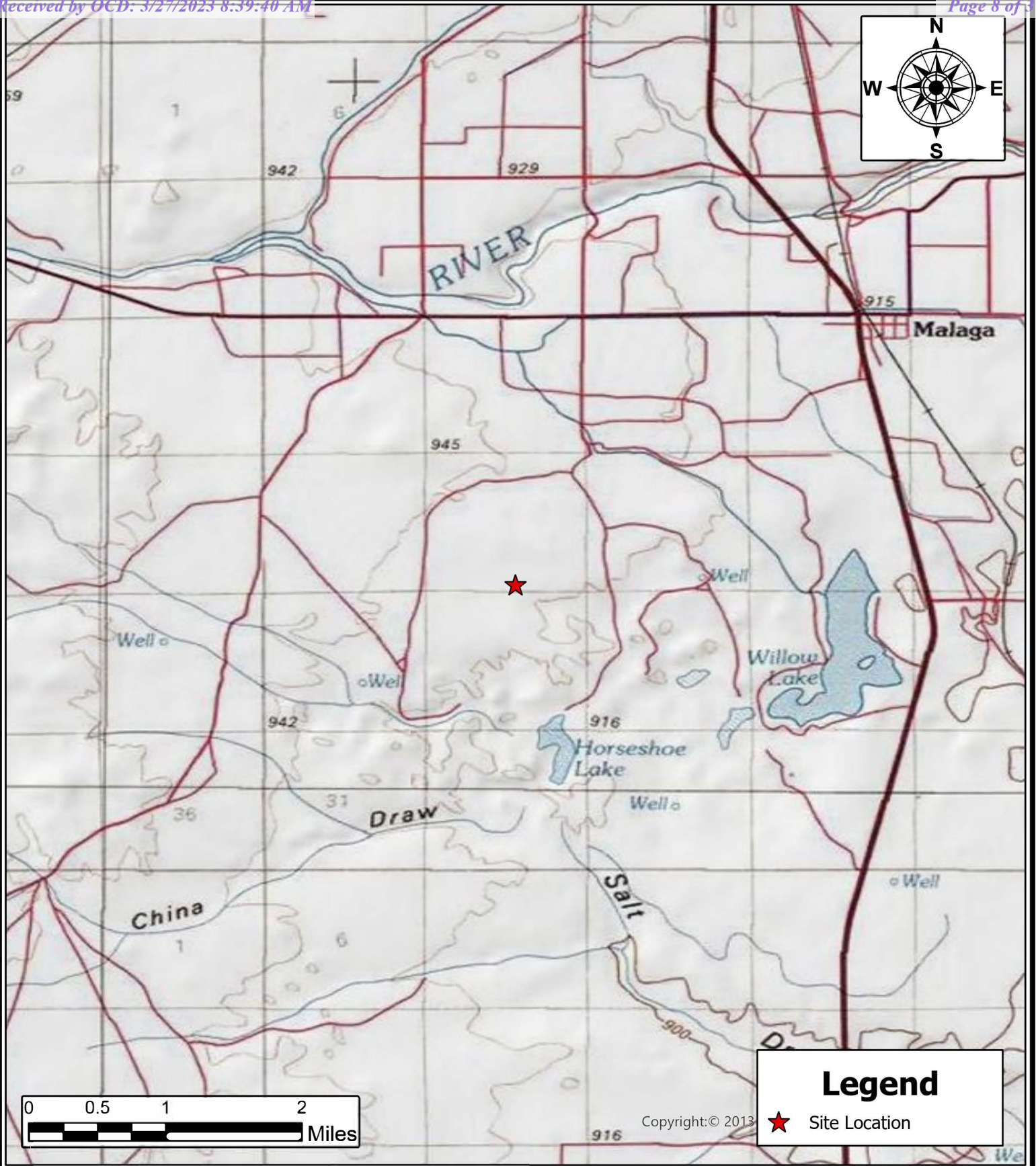



<p>OVERVIEW MAP COG OPERATING TOMAHAWK FEDERAL 20 O CTB (01.03.23) EDDY COUNTY, NEW MEXICO 32.1969, -104.1087</p>	
<p>SCALE: As Shown</p>	<p>Date: 2/1/2023</p>

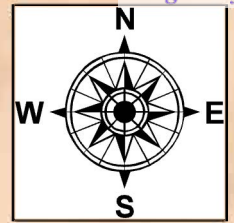
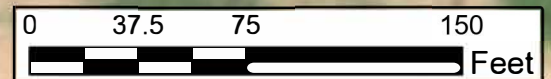
<p>CARMONA RESOURCES</p>  <p>Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701</p>

<p>NOTES:</p> <p>1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N</p>
--

<p>DRAWING NUMBER:</p> <p>FIGURE 1</p> <p>SHEET NUMBER:</p> <p>1 of 1</p>



<div>TOPOGRAPHIC MAP COG OPERATING TOMAHAWK FEDERAL 20 O CTB (01.03.23) EDDY COUNTY, NEW MEXICO 32.1969, -104.1087</div>		<div>CARMONA RESOURCES</div> <div>Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701</div>	<div>NOTES:</div> <div>1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N</div>		DRAWING NUMBER:
					FIGURE 2
<div>SCALE: As Shown</div> <div>Date:2/1/2023</div>					SHEET NUMBER:
				1 of 1	

**Legend** Lined Facility

SECONDARY CONTAINMENT MAP
COG OPERATING
TOMAHAWK FEDERAL 20 O CTB (01.03.23)
EDDY COUNTY, NEW MEXICO
32.1969, -104.1087

SCALE: As Shown

Date: 2/1/2023



Carmona Resources
310 West Wall Street, Suite 500
Midland, Texas 79701

NOTES:

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

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

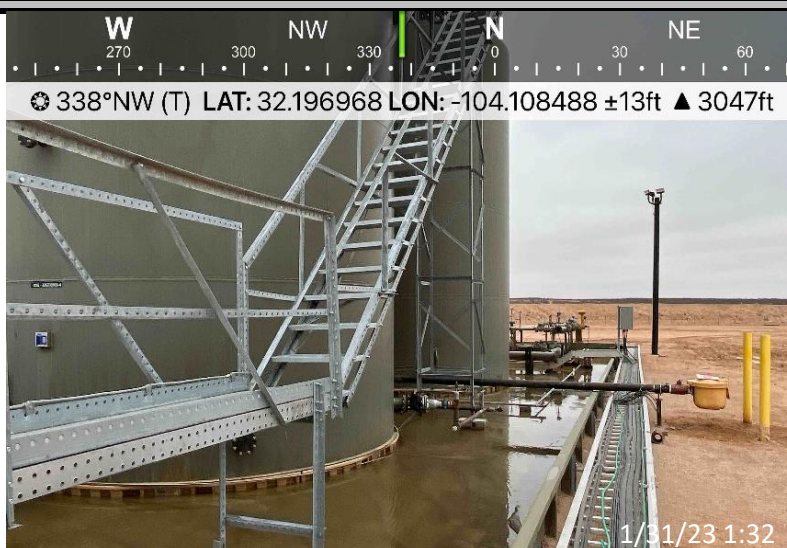
Photograph No. 1

Facility: Tomahawk Federal 20 O CTB
(01.03.23)

County: Eddy County, New Mexico

Description:

View North of lined facility.



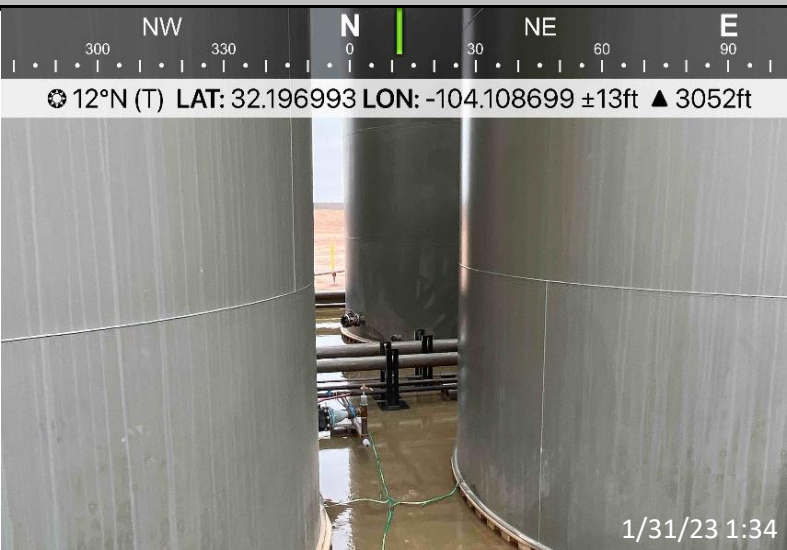
Photograph No. 2

Facility: Tomahawk Federal 20 O CTB
(01.03.23)

County: Eddy County, New Mexico

Description:

View North of lined facility.



Photograph No. 3

Facility: Tomahawk Federal 20 O CTB
(01.03.23)

County: Eddy County, New Mexico

Description:

View East of lined facility.



PHOTOGRAPHIC LOG

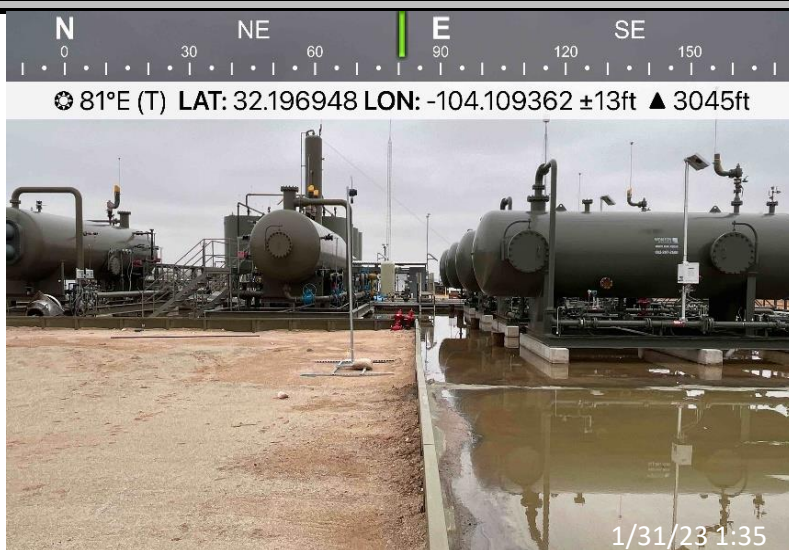
Concho Operating, LLC

Photograph No. 4

Facility: Tomahawk Federal 20 O CTB
(01.03.23)

County: Eddy County, New Mexico

Description:
View East of lined facility.

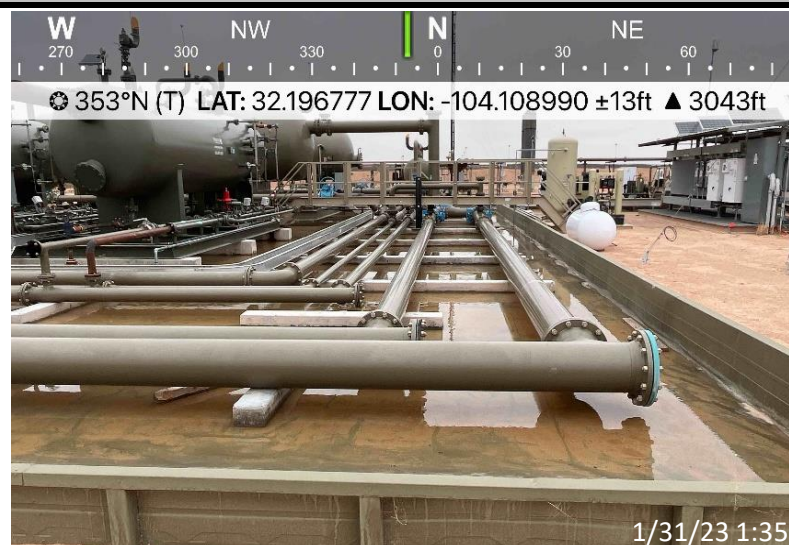


Photograph No. 5

Facility: Tomahawk Federal 20 O CTB
(01.03.23)

County: Eddy County, New Mexico

Description:
View North of lined facility.



Photograph No. 6

Facility: Tomahawk Federal 20 O CTB
(01.03.23)

County: Eddy County, New Mexico

Description:
View West of lined facility.



PHOTOGRAPHIC LOG

Concho Operating, LLC

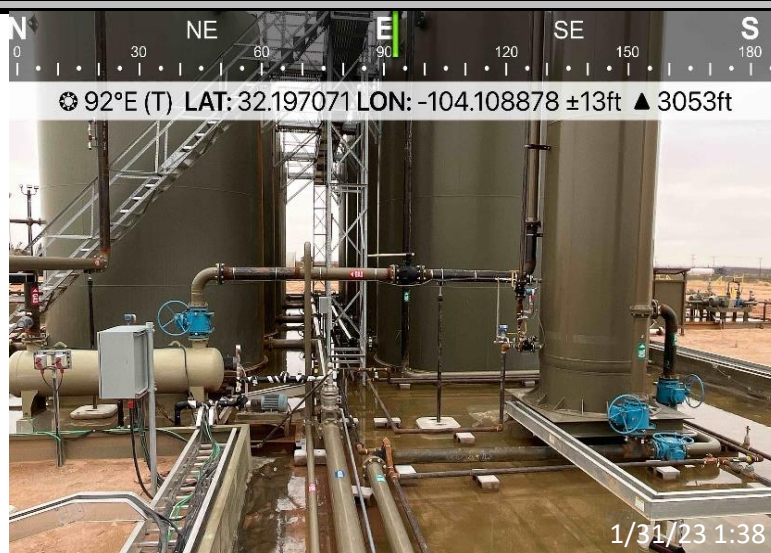
Photograph No. 7

Facility: Tomahawk Federal 20 O CTB
(01.03.23)

County: Eddy County, New Mexico

Description:

View East of lined facility.



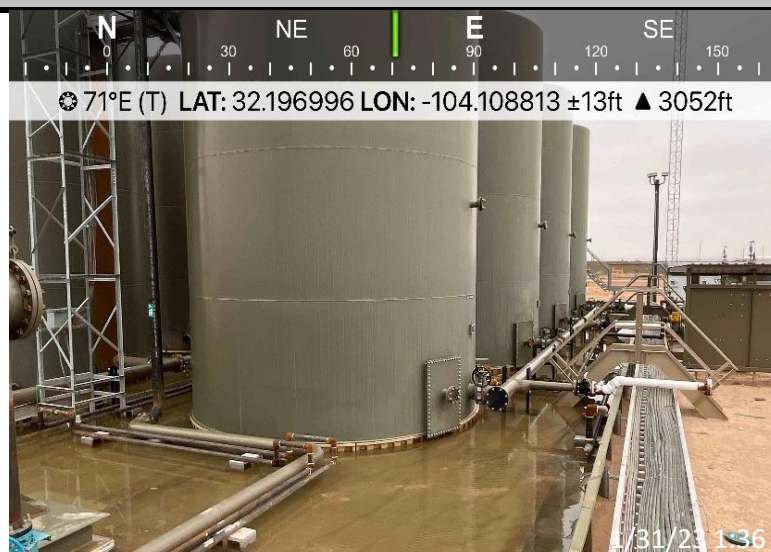
Photograph No. 8

Facility: Tomahawk Federal 20 O CTB
(01.03.23)

County: Eddy County, New Mexico

Description:

View East of lined facility.



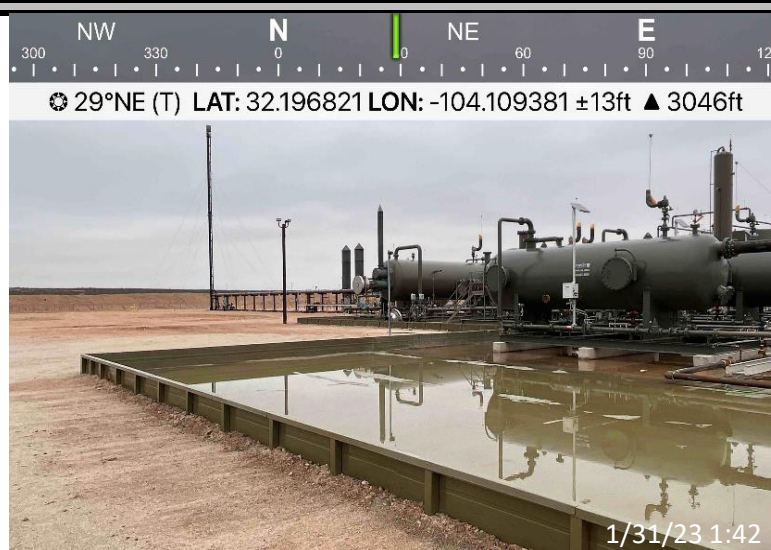
Photograph No. 9

Facility: Tomahawk Federal 20 O CTB
(01.03.23)

County: Eddy County, New Mexico

Description:

View Northeast of lined facility.



APPENDIX B

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
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>Patricia Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

L48 Spill Volume Estimate Form									
Facility Name & Number:		Tomahawk Federal 20 O CTB							
Asset Area:		DBW							
Release Discovery Date & Time:		1.3.23							
Release Type:		Produced Water							
Provide any known details about the event:		pinhole in discharge line							
Spill Calculation - On Pad Surface Pool Spill									
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	25.0	17.0	0.75	3	425.000	0.021	1.576	0.001	1.578
Rectangle B	25.0	17.0	0.75	2	425.000	0.031	2.364	0.002	2.368
Rectangle C	88.0	50.0	0.50	2	4400.000	0.021	16.317	0.001	16.334
Rectangle D	29.0	13.0	0.50	2	377.000	0.021	1.398	0.001	1.399
Rectangle E	6.0	25.0	0.25	3	150.000	0.007	0.185	0.000	0.185
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:									21.864

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 not 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 OnlyReceived 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: _____ Date: _____

Printed Name: _____ Title: _____

From: Conner Moehring
Sent: Friday, January 27, 2023 2:32 PM
To: OCD.Enviro@emnrd.nm.gov <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona; Jacqui.Harris@conocophillips.com
Subject: COG – Tomahawk Fed 20 O CTB (1.3.23) - 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 1:35 p.m. Mountain Time. Please let me know if you have any questions.

COG – Tomahawk Fed 20 O CTB (1.3.23)
NAPP2301249641
Eddy County, New Mexico
32.1969, -104.1087
Sec 20 T24S R28E Unit O

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



Legend




- 0.50 Mile Radius
- 0.96 Miles
- 1.04 Miles
- 1.04 Miles
- 1.71 Miles
- NMSEO Water Well
- Tomahawk Federal 20 O CTB (01.03.23)
- USGS Water Well



MEDIUM KARST

COG Operating

Legend

-  High
-  Medium
-  Tomahawk Federal 20 O CTB (1.3.23)

Tomahawk Federal 20 O CTB (1.3.23)





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	Depth Well	Depth Water	Water Column
C 00232	CUB	ED		1	3	2	07	24S	28E	582362	3566826*	160		
C 00329	C	ED		2	1	2	13	24S	28E	590682	3565677*	95	30	65
C 00346	C	ED		2	2	15		24S	28E	587715	3565591*	90	32	58
C 00353	C	CUB	ED	3	4	13		24S	28E	590603	3564367*	2726		
C 00354	C	CUB	ED	4	4	13		24S	28E	591005	3564367*	2739		
C 00361	C	CUB	ED	3	3	08		24S	28E	583283	3565926*	2575		
C 00365	CUB	ED		2	4	1	17	24S	28E	583791	3565226*	238	26	212
C 00406	C	ED		1	1	08		24S	28E	583270	3567142*	78	50	28
C 00464	CUB	ED		2	2	1	13	24S	28E	590277	3565674*	111	28	83
C 00488	C	ED		2	1	2	15	24S	28E	587412	3565688*	64	8	56
C 00511	C	ED		2	3	02		24S	28E	588518	3568001*	268	140	128
C 00513	CUB	ED		2	2	2	20	24S	28E	584605	3564020	212	48	164
C 00513 S	CUB	ED		1	3	3	16	24S	28E	584801	3564431	161	42	119
C 00570	CUB	ED		1	1	10		24S	28E	586490	3567195*	100	28	72
C 00573	CUB	ED		2	2	4	04	24S	28E	586188	3568087*	250	35	215
C 00574	CUB	ED		2	4	4	11	24S	28E	589452	3566081*	200	20	180
C 00618	C	ED		3	4	4	12	24S	28E	590880	3565885*	80	40	40
C 00648	C	ED		2	2	2	17	24S	28E	584593	3565644*	96	58	38
C 00684	CUB	ED		2	1	2	13	24S	28E	590682	3565677*	95	40	55
C 00709	C	ED		3	3	3	16	24S	28E	584802	3564232*			
C 00738	CUB	ED		3	1	1	13	24S	28E	589673	3565472*	125	12	113
C 00750	CUB	ED		1	2	4	13	24S	28E	590898	3564871*	110		
C 00764	CUB	ED		3	1	3	10	24S	28E	586399	3566292*	118	25	93
C 00890	CUB	ED		3	3	4	10	24S	28E	587211	3565897*	50		
C 00903	C	ED		2	1	13		24S	28E	590178	3565575*	57	30	27
C 00962	C	ED		3	3	10		24S	28E	586505	3565992*	63	9	54

*UTM location was derived from PLSS - see Help

(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	Depth Well	Depth Water	Water Column
C 00983	C	ED		4	4	4	12	24S	28E	591080	3565885*	92	40	52
C 01082	CUB	ED		3	3	2	11	24S	28E	588832	3566693*	120		
C 01154	C	ED		2	1	2	13	24S	28E	590682	3565677*	95	50	45
C 01237	C	ED		1	1	2	10	24S	28E	587197	3567298*	123		
C 01244	C	ED		4	4	06		24S	28E	582860	3567543*	109	70	39
C 01442	C	ED		1	2	10		24S	28E	587298	3567199*	100		
C 01731	C	ED		4	2	05		24S	28E	584483	3568367*	80	30	50
C 01747	CUB	ED					12	24S	28E	590367	3566577*	176	139	37
C 02057	C	ED		1	4	14		24S	28E	588956	3564774*	126	52	74
C 02184	C	ED		2	4	3	01	24S	28E	590248	3567700*	87	60	27
C 02186	C	ED			2	02		24S	28E	589128	3568606*	100	55	45
C 02198	C	ED			1	01		24S	28E	589940	3568611*	78		
C 02244	C	LE		3	1	2	22	24S	28E	587224	3563865*	260		
C 02306	C	ED		3	2	04		24S	28E	585690	3568382*	75	25	50
C 02524 POD2	C	ED		2	2	2	15	24S	28E	587814	3565690*	90	11	79
C 02836	C	ED		2	2	2	16	24S	28E	586203	3565676*		15	
C 03132	C	ED		1	2	4	15	24S	28E	587616	3564877*	90	19	71
C 03358 POD1	CUB	ED		1	4	1	26	24S	28E	588416	3562116	135		
C 03423	CUB	ED		2	4	1	26	24S	28E	588786	3561952	126		
C 03604 POD1	CUB	ED		2	4	3	10	24S	28E	526534	3565712	38	24	14
C 03703 POD1	C	ED		1	2	1	09	24S	28E	585259	3567225	74	15	59
C 03824 POD1	CUB	ED		4	1	2	16	24S	28E	585770	3565578	290	60	230
C 03833 POD1	C	ED		2	1	2	26	24S	28E	589014	3562545	96	55	41
C 03862 POD1	CUB	ED		3	3	3	01	24S	28E	589672	3567505	17	10	7
C 03862 POD2	CUB	ED		3	3	3	01	24S	28E	589665	3567507	30	10	20
C 03862 POD3	CUB	ED		3	3	3	01	24S	28E	589685	3567500	60	10	50
C 03862 POD4	CUB	ED		3	3	3	01	24S	28E	589705	3567490	30	10	20
C 03862 POD5	CUB	ED		4	3	3	01	24S	28E	589785	3567458	17	10	7
C 03986 POD1	CUB	ED		3	4	2	22	24S	28E	587505	3563502	170	120	50

*UTM location was derived from PLSS - see Help


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(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 6	Q 4	Q 16	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 03988 POD1	CUB	ED	4	4	4	28	24S	28E	586303	3561087		110	95	15
C 03989 POD1	CUB	ED	4	2	2	33	24S	28E	586342	3560573		100	70	30
C 04025 POD1	CUB	ED	4	3	3	27	24S	28E	586700	3560964		190	90	100
C 04026 POD1	CUB	ED	3	2	1	25	24S	28E	590148	3562290		190	90	100
C 04151 POD1	CUB	ED	4	2	1	26	24S	28E	588584	3562192		280	65	215
C 04180 POD1	CUB	ED	2	1	2	26	24S	28E	589055	3562502		160	58	102
C 04181 POD1	CUB	ED	3	2	1	26	24S	28E	588450	3562146		280	56	224
C 04181 POD2	C	ED	3	2	1	26	24S	28E	588393	3562212		80	56	24
C 04222 POD1	CUB	ED	1	3	3	27	24S	28E	586406	3561228		140	35	105
C 04222 POD2	CUB	ED	1	2	4	22	24S	28E	587707	3563255		100	40	60
C 04263 POD1	CUB	ED	3	1	1	23	24S	28E	588026	3563915		390	370	20
C 04294 POD1	CUB	ED	4	3	3	23	24S	28E	588169	3562646		60		
C 04337 POD1	CUB	ED	4	1	4	03	24S	28E	587317	3567907		60		
C 04382 POD1	CUB	ED	2	1	2	15	24S	28E	587401	3565647		48	35	13
C 04383 POD1	CUB	ED	4	1	2	15	24S	28E	587389	3565499		34	19	15
C 04501 POD1	CUB	ED	3	4	1	29	24S	28E	583580	3561778		80		

Average Depth to Water: **49 feet**

Minimum Depth: **8 feet**

Maximum Depth: **370 feet**

Record Count: 71

PLSS Search:

Township: 24S

Range: 28E

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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
NA	C 00513	2	2	2	20	24S	28E	584605	3564020

x

Driller License:**Driller Company:****Driller Name:** HOWARD HEMLER**Drill Start Date:** 03/30/1954**Drill Finish Date:** 03/30/1954**Plug Date:****Log File Date:** 06/24/1954**PCW Rev Date:** 09/22/1954**Source:** Shallow**Pump Type:** TURBIN**Pipe Discharge Size:****Estimated Yield:** 900 GPM**Casing Size:** 14.00**Depth Well:** 212 feet**Depth Water:** 48 feet

x

Water Bearing Stratifications:**Top Bottom Description**

84 135 Limestone/Dolomite/Chalk

178 212 Limestone/Dolomite/Chalk

x

Casing Perforations:**Top Bottom**

80 140

180 212

x

Meter Number: 560**Meter Make:** WATER SPEC**Meter Serial Number:** 934685**Meter Multiplier:** 1.0000**Number of Dials:** 3**Meter Type:** Diversion**Unit of Measure:** Acre-Feet**Return Flow Percent:****Usage Multiplier:****Reading Frequency:****Meter Readings (in Acre-Feet)**

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
12/29/1998	1999	0	A	ms		0
04/01/1999	1999	0	A	ms		0
06/15/1999	1999	0	A	ms		0
09/29/1999	1999	0	A	ms		0
04/06/2000	2000	0	A	mb		0
07/07/2000	2000	0	A	mb		0
10/19/2000	2000	0	A	mb		0
01/05/2001	2000	0	A	ms		0
04/20/2001	2001	0	A	ms		0
07/20/2001	2001	0	A	ms	No Electric	0
04/01/2003	2002	6	A	MB		6.293
06/03/2003	2003	6	A	ms		0
08/20/2003	2003	6	A	ab		0
10/22/2003	2003	8	A	TW		1.374
01/06/2004	2003	8	A	ab		0
04/28/2004	2004	12	A	TW		4.051
07/14/2004	2004	12	A	ms		0
10/20/2004	2004	12	A	TW		0

01/03/2005	2004	12	A	TW	0
03/30/2005	2005	12	A	JW	0
07/06/2005	2005	12	A	JW	0
01/05/2006	2005	12	A	TW	0
04/05/2006	2006	12	A	tw	0.353
07/06/2006	2006	14	A	tw	2.000
01/04/2007	2006	15	A	tw	1.073
04/27/2007	2007	15	A	tw	0
07/03/2007	2007	15	A	tw	0
10/10/2007	2007	15	A	tw	0
01/02/2008	2007	15	A	tw	0
04/15/2008	2008	15	A	tw	0
10/02/2008	2008	15	A	tw	0
01/13/2009	2008	15	A	tw	0
04/15/2009	2009	15	A	tw	0
06/07/2009	2009	15	A	tw	0
01/06/2010	2009	15	A	tw	0
05/13/2010	2010	15	A	tw	0
01/12/2011	2010	15	A	tw	0
09/20/2011	2011	15	A	tw	0
01/23/2012	2011	15	A	tw	0
03/02/2012	2012	15	A	tw	0
07/02/2012	2012	15	A	tw	0
10/19/2012	2012	15	A	tw	0
02/12/2013	2013	15	A	tw	0
11/05/2013	2013	15	A	tw	0
06/10/2014	2014	15	A	tw	0
01/27/2015	2014	15	A	tw	0
03/04/2016	2016	15	A	tw	0
Pump pulled PVACD purchased					0

x

**YTD Meter Amounts:	Year	Amount
	1999	0
	2000	0
	2001	0
	2002	6.293
	2003	1.374
	2004	4.051
	2005	0
	2006	3.426
	2007	0
	2008	0
	2009	0
	2010	0
	2011	0
	2012	0
	2013	0
	2014	0
	2016	0

x

Meter Number:

564

Meter Make:

WATER SPEC

Meter Serial Number: 924685

Meter Multiplier: 1.0000

Number of Dials: 4

Meter Type: Diversion

Unit of Measure: Acre-Feet

Return Flow Percent:

Usage Multiplier:

Reading Frequency:

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
12/29/1998	1999	0	A	ms		0
04/01/1999	1999	0	A	ms		0
06/15/1999	1999	0	A	ms		0
09/29/1999	1999	0	A	ms		0
04/06/2000	2000	0	A	MB		0
07/07/2000	2000	0	A	MB		0
10/19/2000	2000	0	A	MB		0
01/03/2001	2000	0	A	ms		0

**YTD Meter Amounts:	Year	Amount
	1999	0
	2000	0

Meter Number: 1408

Meter Make:

Meter Serial Number: 62 074 251

Meter Multiplier: 1.0000

Number of Dials: 5

Meter Type: Power Child

Unit of Measure: Kilowatt Hours

Return Flow Percent:

Usage Multiplier:

Reading Frequency:

Meter Readings in (Kilowatt Hours)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
04/06/2000	2000	30830	A	mb		0
07/07/2000	2000	30830	A	mb		0

**YTD Meter Amounts:	Year	Amount
	2000	0

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321232104055301

Minimum number of levels = 1
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USGS 321232104055301 24S.28E.20.22244

Eddy County, New Mexico
Latitude 32°12'32", Longitude 104°05'53" NAD27
Land-surface elevation 3,039 feet above NAVD88
The depth of the well is 212 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

Table of data
Tab-separated data
Graph of data
Reselect period

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
1954-09-20			D	62610	2983.41	NGVD29	1	Z		
1954-09-20			D	62611	2985.00	NAVD88	1	Z		
1954-09-20			D	72019	54.00		1	Z		
1955-07-13			D	62610	2998.43	NGVD29	1	Z		
1955-07-13			D	62611	3000.02	NAVD88	1	Z		
1955-07-13			D	72019	38.98		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
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	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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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321110104071701

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

USGS 321110104071701 24S.28E.30.413242

Eddy County, New Mexico
Latitude 32°11'10", Longitude 104°07'17" NAD27
Land-surface elevation 3,055 feet above NAVD88
The depth of the well is 201 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

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
1983-01-31			D	62610	2989.68	NGVD29	1		Z	
1983-01-31			D	62611	2991.29	NAVD88	1		Z	
1983-01-31			D	72019	63.71		1		Z	
1988-02-10			D	62610	2991.52	NGVD29	1		Z	
1988-02-10			D	62611	2993.13	NAVD88	1		Z	
1988-02-10			D	72019	61.87		1		Z	
1992-11-04			D	62610	2990.33	NGVD29	1		S	
1992-11-04			D	62611	2991.94	NAVD88	1		S	
1992-11-04			D	72019	63.06		1		S	
1998-01-23			D	62610	2988.93	NGVD29	1		S	
1998-01-23			D	62611	2990.54	NAVD88	1		S	
1998-01-23			D	72019	64.46		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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New Mexico Office of the State Engineer

Point of Diversion Summary

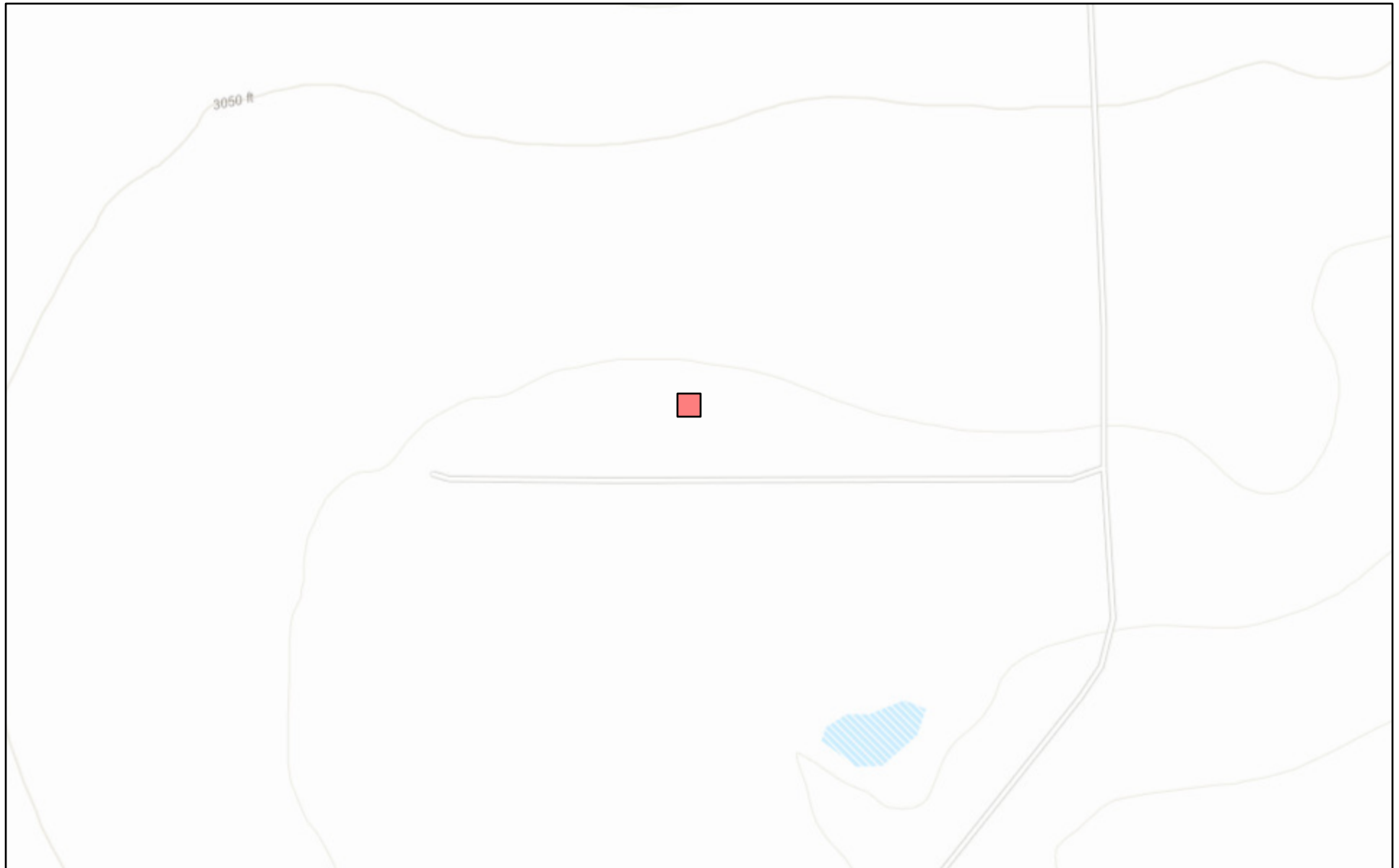
		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
NA	C 03988 POD1	4	4	4	28	24S	28E	586303	3561087
x									
Driller License: 1690		Driller Company:		VISION RESOURCES, INC					
Driller Name:		MALEY, JASON							
Drill Start Date: 12/05/2016		Drill Finish Date:		12/20/2016		Plug Date:			
Log File Date: 12/20/2016		PCW Rcv Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size: 8.00		Depth Well:		110 feet		Depth Water:		95 feet	
x									
Water Bearing Stratifications:				Top	Bottom	Description			
				95	110	Sandstone/Gravel/Conglomerate			
x									
Casing Perforations:				Top	Bottom				
				90	110				

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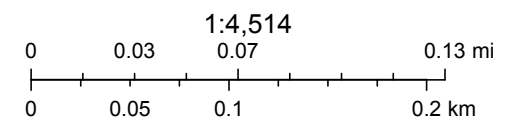
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POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



February 1, 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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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 200897

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 200897
	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 #NAPP2301249641 TOMAHAWK FEDERAL 20 O CTB, thank you. This closure is approved.	8/9/2023