



SITE INFORMATION

Closure Report
Momba Federal 13 O CTB
Eddy County, New Mexico
Incident ID: NAPP2212529806
Unit O Sec 13 T26S R28E
32.0367°, -104.0398°

Produced Water and Crude Oil Release

Point of Release: Tank Overflow

Release Date: 04.20.2022

Volume Released: 370 barrels of Produced Water and 20 barrels of Crude Oil
Volume Recovered: 365 barrels of Produced Water and 20 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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January 19, 2023

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

**Re: Closure Report
Momba Federal 13 O CTB (04.20.22)
Concho Operating, LLC
Incident ID NAPP2212529806
Site Location: Unit O, S13, T26S, R28E
(Lat 32.0367°, Long -104.0398°)
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 Momba Federal 13 O CTB (04.20.22). The site is located at 32.0367°, -104.0398° within Unit O, S13, T26S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 20, 2022, due to a tank overflow resulting from a failed alarm. It resulted in approximately 370 barrels of produced water and 20 barrels of crude oil released. Approximately 365 barrels of produced water and 20 barrels of crude oil were 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 1.11 miles Northwest of the site in S12, T26S, R28E and was drilled in 1976. The well has a reported depth to groundwater of 100' feet below 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 December 28, 2022, Carmona Resources, LLC conducted liner inspection activities to assess the liner's integrity within the facility. Carmona Resources, LLC personnel proceeded to inspect the liner visually. The liner was found 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

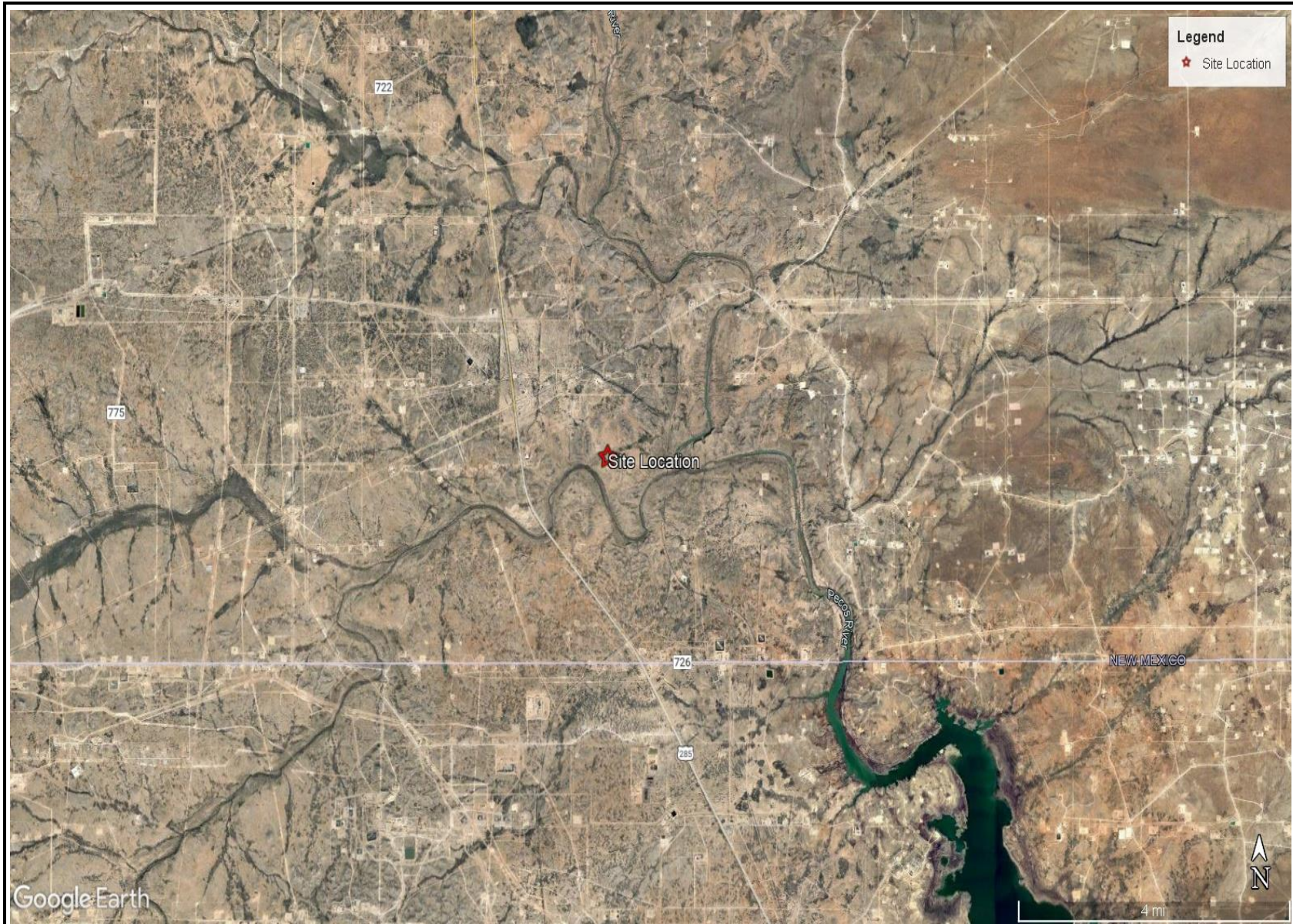


Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
COG OPERATING, LLC
MOMBA FED 13 O CTB (4.20.22)
EDDY COUNTY, NEW MEXICO
32.0367°, -104.0398°



FIGURE 1



SECONDARY CONTAINMENT MAP
COG OPERATING, LLC
MOMBA FED 13 O CTB (4.20.22)
EDDY COUNTY, NEW MEXICO
32.0367°, -104.0398°



FIGURE 3

APPENDIX A

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Momba Fed 13 O CTB (4.20.22)

County: Eddy County, New Mexico

Description:
View South of the lined facility.

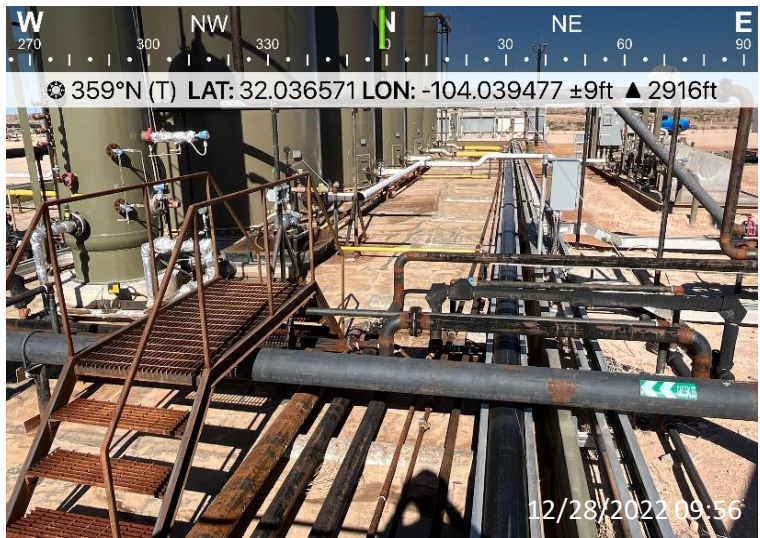


Photograph No. 2

Facility: Momba Fed 13 O CTB (4.20.22)

County: Eddy County, New Mexico

Description:
View North of the lined facility.



Photograph No. 3

Facility: Momba Fed 13 O CTB (4.20.22)

County: Eddy County, New Mexico

Description:
View West of the lined facility.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Momba Fed 13 O CTB (4.20.22)

County: Eddy County, New Mexico

Description:
View South of the lined facility.



Photograph No. 5

Facility: Momba Fed 13 O CTB (4.20.22)

County: Eddy County, New Mexico

Description:
View South of the lined facility.



Photograph No. 6

Facility: Momba Fed 13 O CTB (4.20.22)

County: Eddy County, New Mexico

Description:
View East 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

State of New Mexico
Oil Conservation Division

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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 not 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:  _____ Date: _____
 email: _____ Telephone: _____

OCD Only
 Received by: Jocelyn Harimon Date: 05/05/2022

L48 Spill Volume Estimate Form

Facility Name & Number:		Momba Fed 13 O										
Asset Area:		DBWN										
Release Discovery Date & Time:		4.20.22										
Release Type:		Oil Mixture										
Provide any known details about the event:												
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 Pool 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 Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	128.0	47.0	6.50	2	6016.000	0.271	290.021	0.014	293.949	5.00%	14.697	279.251
Rectangle B	62.0	13.0	5.25	2	806.000	0.219	31.384	0.011	31.727	5.00%	1.586	30.141
Rectangle C	47.0	50.0	5.25	3	2350.000	0.146	61.002	0.007	61.447	5.00%	3.072	58.375
Rectangle D	16.0	13.0	5.25	3	208.000	0.146	5.399	0.007	5.439	5.00%	0.272	5.167
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
16 Total Volume Release:									392.561		19.628	372.933

State of New Mexico
Oil Conservation Division

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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: Jaques Davis Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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 Harris* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: *Jennifer Nobui* Date: _____

Printed Name: _____ Title: _____

From: Conner Moehring
Sent: Monday, December 26, 2022 9:30 AM
To: OCD.Enviro@emnrd.nm.gov <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona; Jacqui.Harris@conocophillips.com
Subject: COG - Momba Fed 13 O CTB (04.20.22) - Liner Inspection Notification

Good Morning,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on 12/28/22 around 9:30 a.m. Mountain Time. Please let me know if you have any questions.

COG – Momba Fed 13 O CTB (04.20.22)
Eddy County, New Mexico
32.036889, -104.039340
Sec 13 T26S R28E Unit N

Conner R. Moehring
310 West Wall Street, Suite 415
Midland Texas, 79701
M: [432-813-6823](tel:432-813-6823)
Cmoehring@carmonaresources.com

CARMONA RESOURCES



APPENDIX C












CARMONA RESOURCES

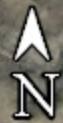
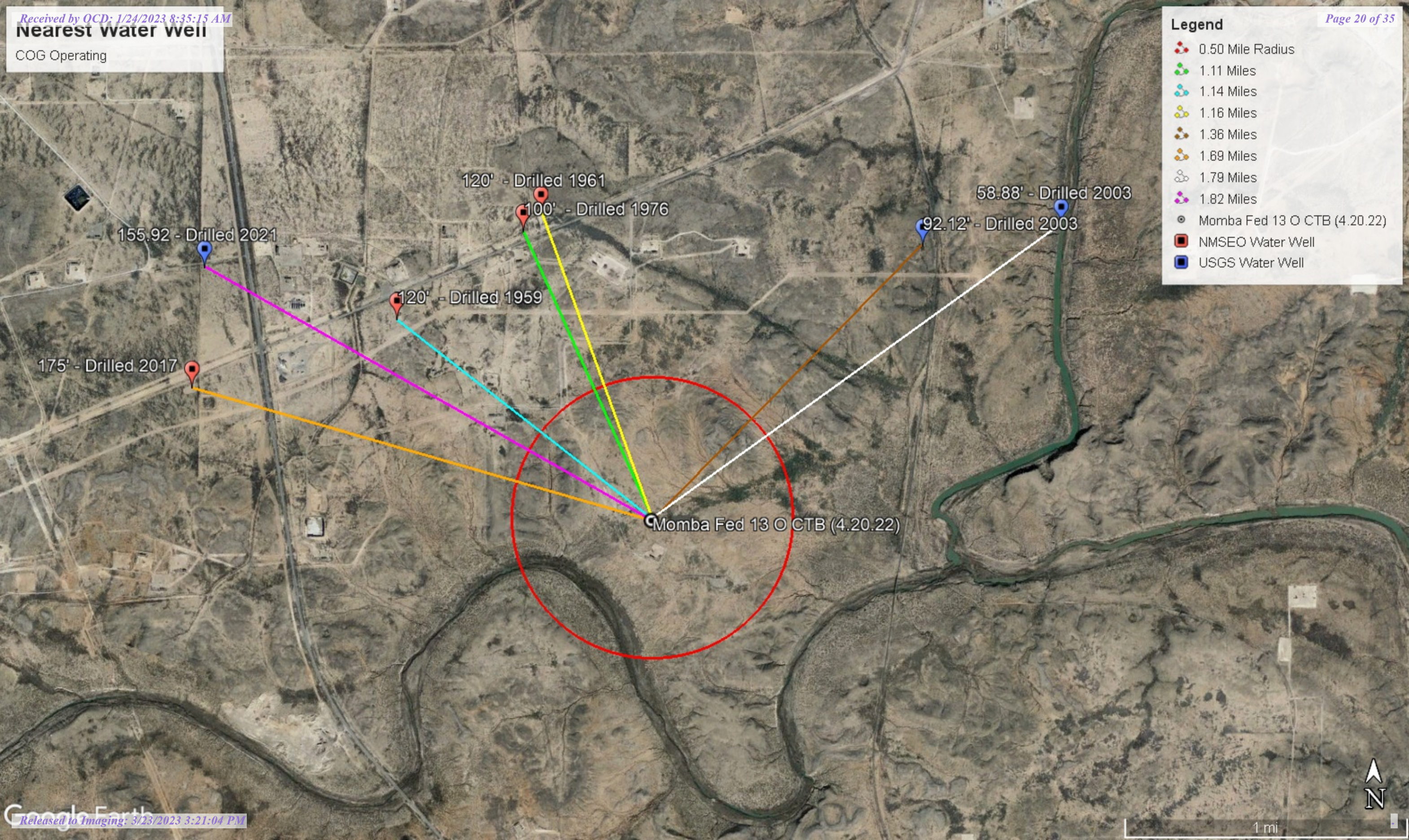


Nearest water well

COG Operating

Legend

-  0.50 Mile Radius
-  1.11 Miles
-  1.14 Miles
-  1.16 Miles
-  1.36 Miles
-  1.69 Miles
-  1.79 Miles
-  1.82 Miles
-  Momba Fed 13 O CTB (4.20.22)
-  NMSEO Water Well
-  USGS Water Well






1 mi

Medium Karst

COG Operating

Legend

-  High
-  Medium
-  Momba Fed 13 O CTB (4.20.22)



Momba Fed 13 O CTB (4.20.22)



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01668	CUB	ED		3	3	12	26S	28E		589957	3546554*	1599	250	100	150
C 02160	CUB	ED		4	1	2	14	26S	28E	589243	3546044*	1606	300	120	180
C 02160 S8	CUB	ED		2	3	3	12	26S	28E	590056	3546653*	1663	200	120	80
C 02160 S	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	1887	300	120	180
C 02160 S2	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	1887	300	120	180
C 02894	C	ED		2	2	3	12	26S	28E	590458	3547061*	2010	240		
C 02160 S3	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	2052	300	120	180
C 02160 S4	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	2052	300	120	180
C 02160 S6	CUB	ED		3	3	1	14	26S	28E	588232	3545635*	2348	300	120	180
C 02481	CUB	ED		1	1	14	26S	28E		588326	3546138*	2436	200		
C 04022 POD1	CUB	ED		4	4	2	15	26S	28E	588082	3545647	2496	220	175	45
C 02160 S5	CUB	ED		1	1	1	14	26S	28E	588225	3546237*	2571	300	120	180
C 02924	C	ED		1	3	2	11	26S	28E	589032	3547451*	2816			
C 02479	CUB	ED		4	4	10	26S	28E		587909	3546534*	2990	200		
C 02480	CUB	ED		4	4	10	26S	28E		587909	3546534*	2990	150		
C 04022 POD2	CUB	ED		2	2	2	27	26S	28E	588106	3543082	3104	250	145	105

Average Depth to Water: **125 feet**
 Minimum Depth: **100 feet**
 Maximum Depth: **175 feet**

Record Count: 16

UTMNAD83 Radius Search (in meters):

Easting (X): 590506.35

Northing (Y): 3545051.36

Radius: 4000

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)	
		(quarters are smallest to largest)				X	Y
		Q64	Q16	Q4	Sec	Tws	Rng
C	01668	3	3	12	26S	28E	589957 3546554*

Driller License: 224	Driller Company: MULLIN, R.J.		
Driller Name:			
Drill Start Date: 03/22/1976	Drill Finish Date: 04/02/1976	Plug Date:	
Log File Date: 04/08/1976	PCW Rev Date:	Source: Shallow	
Pump Type:	Pipe Discharge Size:	Estimated Yield: 500 GPM	
Casing Size: 16.00	Depth Well: 250 feet	Depth Water: 100 feet	

Water Bearing Stratifications:	Top	Bottom	Description
	115	135	Limestone/Dolomite/Chalk
	135	147	Limestone/Dolomite/Chalk
	185	196	Limestone/Dolomite/Chalk
	236	238	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	0	115
	115	135
	135	147
	147	196
	196	212
	212	234
	234	241
	241	250

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02160	4	1	2	14	26S	28E	589243	3546044*

Driller License:		Driller Company:	
Driller Name:	HEMLER		
Drill Start Date:		Drill Finish Date:	12/01/1959
Log File Date:		PCW Rev Date:	
Pump Type:	JOHNSO	Pipe Discharge Size:	
Casing Size:		Depth Well:	300 feet
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	
		Depth Water:	120 feet

*UTM location was derived from PLSS - see Help

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

12/9/22 6:01 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02160 S8	2	3	3	12	26S	28E	590056	3546653*

Driller License:		Driller Company:	
Driller Name:	HEMLER		
Drill Start Date:		Drill Finish Date:	03/01/1961
Log File Date:		PCW Rev Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:		Depth Well:	200 feet
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	
		Depth Water:	120 feet

*UTM location was derived from PLSS - see Help

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

12/9/22 6:02 AM

POINT OF DIVERSION SUMMARY



USGS Home
 Contact USGS
 Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

- See the [Water Data for the Nation Blog](#) for the latest news and updates.

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320303104012301

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320303104012301 26S.28E.14.21412

Eddy County, New Mexico

Latitude 32°03'03.0", Longitude 104°01'23.0" NAD27

Land-surface elevation 2,972.40 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) 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 of measurement
1978-01-13			D 62610		2855.65	NGVD29	1	Z		
1978-01-13			D 62611		2857.19	NAVD88	1	Z		
1978-01-13			D 72019	116.75			1	Z		
1983-01-25			D 62610		2858.75	NGVD29	1	Z		
1983-01-25			D 62611		2860.29	NAVD88	1	Z		
1983-01-25			D 72019	113.65			1	Z		
1987-10-14			D 62610		2873.68	NGVD29	1	Z		
1987-10-14			D 62611		2875.22	NAVD88	1	Z		
1987-10-14			D 72019	98.72			1	Z		
1993-05-04			D 62610		2880.80	NGVD29	1	S		
1993-05-04			D 62611		2882.34	NAVD88	1	S		
1993-05-04			D 72019	91.60			1	S		
1998-01-22			D 62610		2882.55	NGVD29	1	S		
1998-01-22			D 62611		2884.09	NAVD88	1	S		
1998-01-22			D 72019	89.85			1	S		
2003-01-27			D 62610		2880.28	NGVD29	1	S	USGS	

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 of measurement
2003-01-27		D	62611		2881.82	NAVD88	1	S	USGS	
2003-01-27		D	72019	92.12			1	S	USGS	

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
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?>



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0.29 0.25 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04022 POD1	4	4	2	15	26S	28E	588082	3545647

Driller License: 1184 **Driller Company:** WEST TEXAS WATER WELL SERVICE
Driller Name: KEITH, RONNY
Drill Start Date: 05/01/2017 **Drill Finish Date:** 05/05/2017 **Plug Date:**
Log File Date: 06/05/2017 **PCW Rev Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 1 GPM
Casing Size: 12.25 **Depth Well:** 220 feet **Depth Water:** 175 feet

Water Bearing Stratifications:	Top	Bottom	Description
	175	180	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	160	220

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.

12/9/22 6:03 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
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Groundwater New Mexico GO

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Search Results -- 1 sites found

Agency code = usgs

site_no list =
 • 320307104005301

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320307104005301 26S.28E.13.11214

Eddy County, New Mexico

Latitude 32°03'07", Longitude 104°00'53" NAD27

Land-surface elevation 2,858 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) 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 of measurement
1948-12-15			D 62610		2796.46	NGVD29	1	Z		
1948-12-15			D 62611		2798.00	NAVD88	1	Z		
1948-12-15			D 72019	60.00			1	Z		
1975-12-09			D 62610		2796.97	NGVD29	1	Z		
1975-12-09			D 62611		2798.51	NAVD88	1	Z		
1975-12-09			D 72019	59.49			1	Z		
1976-01-20			D 62610		2797.89	NGVD29	1	Z		
1976-01-20			D 62611		2799.43	NAVD88	1	Z		
1976-01-20			D 72019	58.57			1	Z		
1977-01-13			D 62610		2802.13	NGVD29	1	Z		
1977-01-13			D 62611		2803.67	NAVD88	1	Z		
1977-01-13			D 72019	54.33			1	Z		
1978-02-23			D 62610		2799.71	NGVD29	1	Z		
1978-02-23			D 62611		2801.25	NAVD88	1	Z		
1978-02-23			D 72019	56.75			1	Z		
1983-01-26			D 62610		2803.36	NGVD29	1	Z		

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	
1983-01-26	D	62611	2804.90	NAVD88	1	Z	
1983-01-26	D	72019	53.10		1	Z	
1987-10-14	D	62610	2801.32	NGVD29	1	Z	
1987-10-14	D	62611	2802.86	NAVD88	1	Z	
1987-10-14	D	72019	55.14		1	Z	
1988-03-22	D	62610	2798.73	NGVD29	1	Z	
1988-03-22	D	62611	2800.27	NAVD88	1	Z	
1988-03-22	D	72019	57.73		1	Z	
1993-01-05	D	62610	2796.63	NGVD29	1	S	
1993-01-05	D	62611	2798.17	NAVD88	1	S	
1993-01-05	D	72019	59.83		1	S	
1998-01-22	D	62610	2803.01	NGVD29	1	S	
1998-01-22	D	62611	2804.55	NAVD88	1	S	
1998-01-22	D	72019	53.45		1	S	
2003-01-27	D	62610	2797.58	NGVD29	1	S	USGS
2003-01-27	D	62611	2799.12	NAVD88	1	S	USGS
2003-01-27	D	72019	58.88		1	S	USGS

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
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?>



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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
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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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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320309104020401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320309104020401 26S.28E.14.11111

Eddy County, New Mexico

Latitude 32°02'59.0", Longitude 104°03'58.7" NAD83

Land-surface elevation 2,972.00 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) 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
1978-01-13			D 62610		2849.66	NGVD29	1	Z		
1978-01-13			D 62611		2851.23	NAVD88	1	Z		
1978-01-13			D 72019	122.34			1	Z		
1983-01-25			D 62610		2844.62	NGVD29	1	Z		
1983-01-25			D 62611		2846.19	NAVD88	1	Z		
1983-01-25			D 72019	127.38			1	Z		
1987-10-14			D 62610		2865.60	NGVD29	1	Z		
1987-10-14			D 62611		2867.17	NAVD88	1	Z		
1987-10-14			D 72019	106.40			1	Z		
1993-01-05			D 62610		2871.58	NGVD29	1	S		
1993-01-05			D 62611		2873.15	NAVD88	1	S		
1993-01-05			D 72019	100.42			1	S		
1998-01-22			D 62610		2875.45	NGVD29	1	S		
1998-01-22			D 62611		2877.02	NAVD88	1	S		
1998-01-22			D 72019	96.55			1	S		
2003-01-27			D 62610		2874.98	NGVD29	1	S	USGS	

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
2003-01-27		D	62611		2876.55	NAVD88	1	S		USGS
2003-01-27		D	72019	97.02			1	S		USGS
2013-01-09	20:30 UTC	m	62610		2832.88	NGVD29	1	S		USGS
2013-01-09	20:30 UTC	m	62611		2834.45	NAVD88	1	S		USGS
2013-01-09	20:30 UTC	m	72019	139.12			1	S		USGS
2021-02-24	20:05 UTC	m	62610		2816.08	NGVD29	1	V		USGS
2021-02-24	20:05 UTC	m	62611		2817.65	NAVD88	1	V		USGS
2021-02-24	20:05 UTC	m	72019	155.92			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
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?>

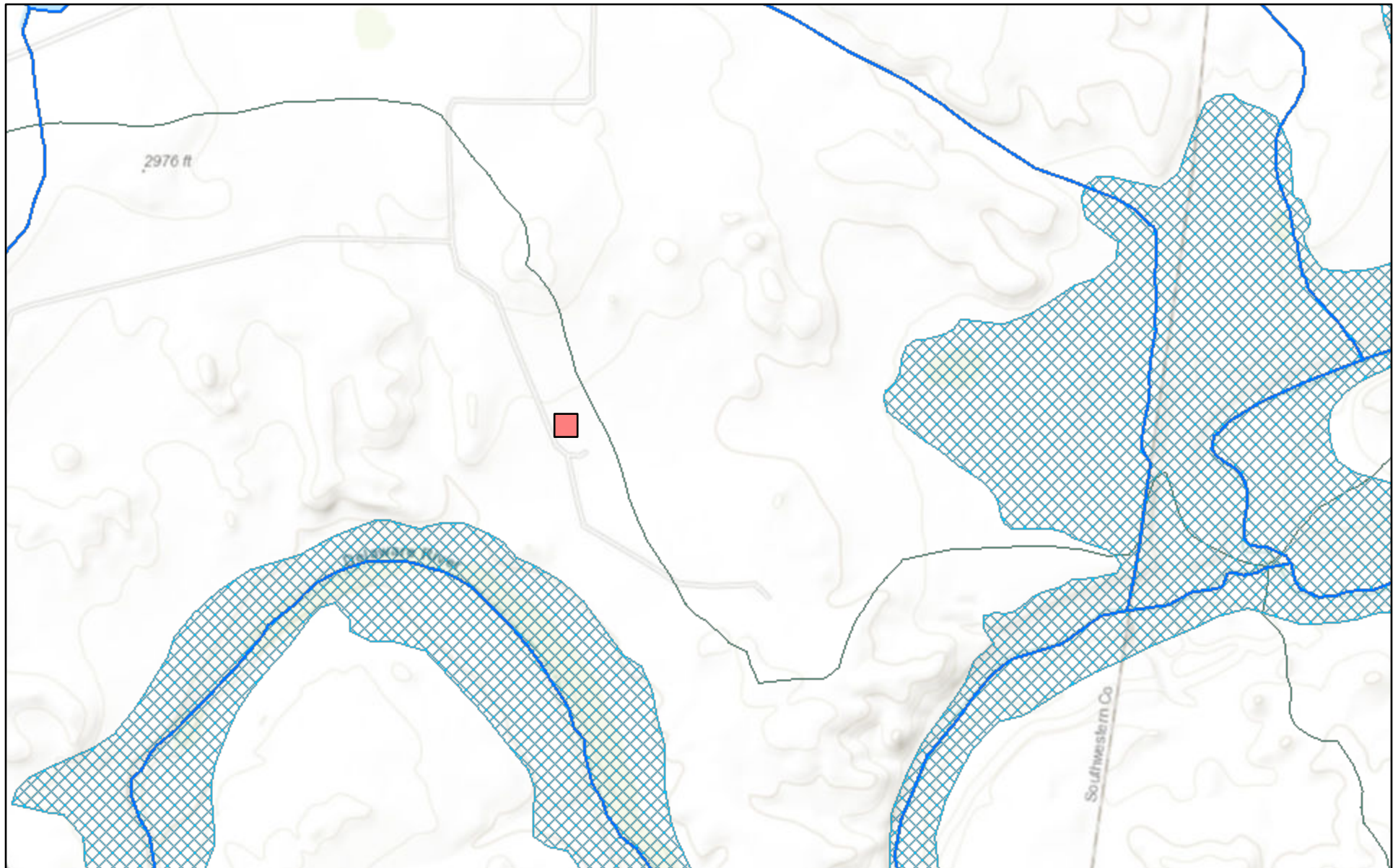


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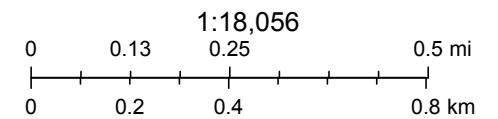
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0.3 0.25 nadww01

New Mexico NFHL Data



December 9, 2022



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

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

CONDITIONS

Action 178918

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 178918
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Approved.	3/23/2023