CARMONA RESOURCES

SITE INFORMATION

Closure Report
Hambone Federal 8K CTB (10.30.22)
Eddy County, New Mexico
Incident ID: NAPP2231848987
Unit K Sec 08 T26S R29E
32.0567°, -104.0077°

Produced Water Release
Point of Release: Ball Valve failure due to corrosion
Release Date: 10.30.2022
Volume Released: 32.397 barrels of Produced Water
Volume Recovered: 32 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

CARMONA RESOURCES

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

CARMONA RESOURCES

November 16, 2022

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

Re: Closure Report
Hambone Federal 8K CTB (10.30.22)
Concho Operating, LLC
Incident ID NAPP2231848987
Site Location: Unit K, S08, T26S, R29E
(Lat 32.0567º, Long -104.0077º)
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 Hambone Federal 8K CTB (10.30.22). The site is located at 32.0567°, -104.0077° within Unit K, S08, 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 October 30, 2022, due to a hole developing in a ball valve due to corrosion. It resulted in approximately 32.397 barrels of produced water and 32 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 0.53 miles Southwest of the site in S13, T26S, R28E and was drilled in 2003. The well has a reported depth to groundwater of 58.88' 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.

310 West Wall Street, Suite 415
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432.813.1992

CARMONA RESOURCES

4.0 Liner Inspection Activities

On November 4, 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

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

FIGURES

CARMONA RESOURCES

SITE OVERVIEW MAP COG OPERATING, LLC HAMBONE FEDERAL 8K CTB (10.30.22) EDDY COUNTY, NEW MEXICO 32.0567°, -104.0077°	CARMONA RESOURCES	FIGURE 1

TOPOGRAPHIC MAP COG OPERATING, LLC HAMBONE FEDERAL 8K CTB (10.30.22) EDDY COUNTY, NEW MEXICO 32.0567°, -104.0077°	CARMONA RESOURCES	FIGURE 2

SECONDARY CONTAINMENT MAP COG OPERATING, LLC HAMBONE FEDERAL 8K CTB (10.30.22) EDDY COUNTY, NEW MEXICO 32.0567°, -104.0077°	CARMONA RESOURCES	FIGURE 3

APPENDIX A

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Hambone Federal 8K CTB (10.30.22)

County: Eddy County, New Mexico

Description:
View West of the lined facility.

Photograph No. 2

Facility: Hambone Federal 8K CTB (10.30.22)

County: Eddy County, New Mexico

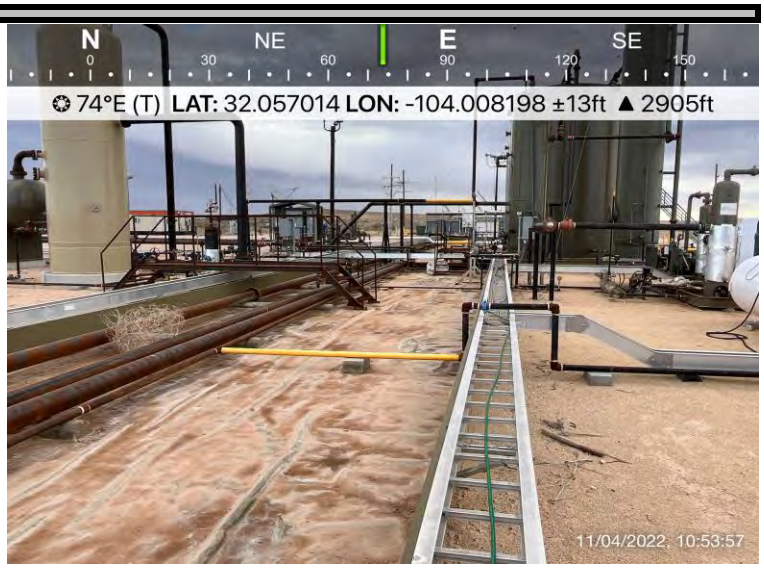
Description:
View West of the lined facility.

Photograph No. 3

Facility: Hambone Federal 8K CTB (10.30.22)

County: Eddy County, New Mexico

Description:
View East of the lined facility.



CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Hambone Federal 8K CTB (10.30.22)

County: Eddy County, New Mexico

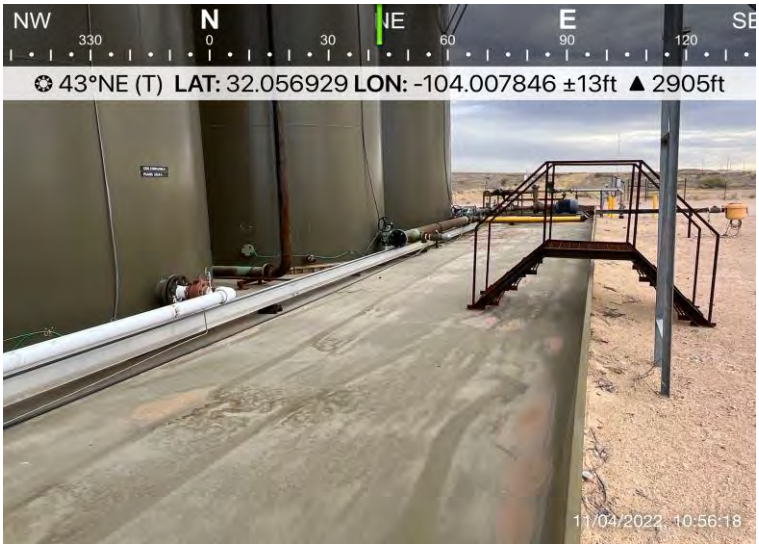
Description:
View East of the lined facility.

Photograph No. 5

Facility: Hambone Federal 8K CTB (10.30.22)

County: Eddy County, New Mexico

Description:
View Northeast of the lined facility.

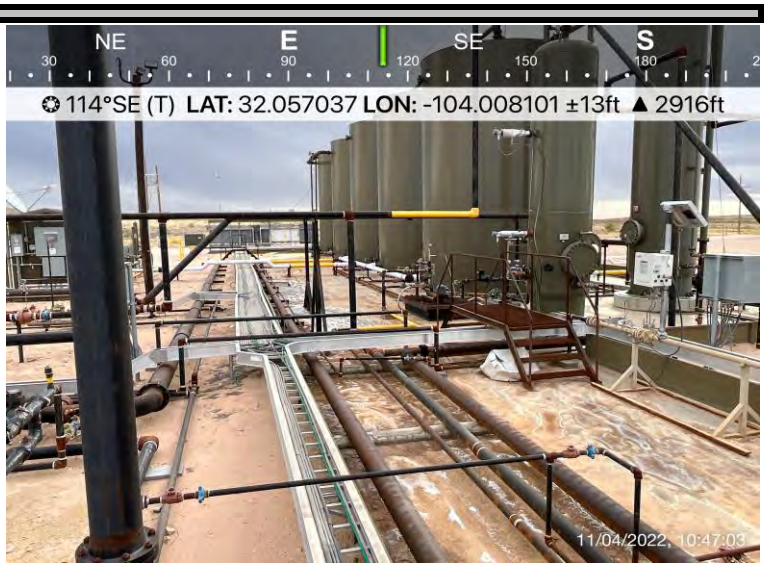


Photograph No. 6

Facility: Hambone Federal 8K CTB (10.30.22)

County: Eddy County, New Mexico

Description:
View Southeast of the lined facility.



CARMONA RESOURCES

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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ 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? ☐ Yes ☐ 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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ 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: _____ Date: _____

L48 Spill Volume Estimate Form

Facility Name & Number:	Hambone Federal 8K CTB
Asset Area:	Carlsbad East
Release Discovery Date & Time:	10/29/2022
Release Type:	Produced Water
Provide any known details about the event:	Hole in 4" ball valve on suction side of transfer pump

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.)
Rectangle A	25.0	15.0	2.00	2	375.000	0.083	5.563	0.004	5.586
Rectangle B	120.0	15.0	2.00	2	1800.000	0.083	26.700	0.004	26.811
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
								Total Volume Release:	32.397

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2231848987
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 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2231848987
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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 12/12/2022

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2231848987
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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 12/12/2022

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: Mike Carmona
Sent: Wednesday, November 2, 2022 8:33 AM
To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov)
Cc: Harris, Jacqui; Conner Moehring
Subject: COG - Hambone Federal 8K CTB (10.30.22)- Notification

Good Morning,

On behalf of COG, Carmona Resources will conduct a liner inspection at the below-referenced site on 11/04/2022. Please let me know if you have any questions.

Hambone Federal 8K CTB (10.30.22)
Eddy County, New Mexico
Unit K, Sec.08, T26S, R29E
32.0567°, -104.0077°

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

CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

Nearest Water Well

COG Operating

78' - Drilled 2011

75' - Drilled 2011

Hambone Federal 8K CTB (10.30.2022)

58.88' - Drilled 2003

92.12' - Drilled 2003

Legend

- 0.50 Mile Radius
- 0.53 Miles
- 0.82 Miles
- 0.84 Miles
- 0.99 Miles
- Hambone Federal 8K CTB (10.30.2022)
- NMSEO Water Well
- USGS Water Well

N

2000 ft

Google Earth

Medium Karst

COG Operating

Legend

- Hambone Federal 8K CTB (10.30.2022)
- High
- Low
- Medium

Hambone Federal 8K CTB (10.30.2022)

N

5 mi

Google Earth

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-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03507 POD1	C	ED	1	3	3	05	26S	29E	593064	3548313	1311	140	78	62
C 03508 POD1	C	ED	1	3	3	05	26S	29E	593063	3548361	1354	140	75	65
C 04473 POD1	CUB	ED	3	4	3	33	25S	29E	595018	3549768	2943	110		
C 02894	C	ED	2	2	3	12	26S	28E	590458	3547061*	3215	240		
C 02160 S8	CUB	ED	2	3	3	12	26S	28E	590056	3546653*	3650	200	120	80
C 01668	CUB	ED		3	3	12	26S	28E	589957	3546554*	3763	250	100	150

Average Depth to Water: **93 feet**

Minimum Depth: **75 feet**

Maximum Depth: **120 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 593672.37 **Northing (Y):** 3547151 **Radius:** 4000

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

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

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 measu
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		

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
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		
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.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-11-02 12:12:17 EDT
0.29 0.25 nadww01

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	Twn	Rng	X	Y
	C 03508 POD1	1	3	3	05	26S	29E	593063	3548361

Driller License: 1058 **Driller Company:** KEY'S DRILLING & PUMP SERVICE

Driller Name: KEY, CLINTON

Drill Start Date:	08/24/2011	**Drill Finish Date:**	08/24/2011	**Plug Date:**	
Log File Date:	09/12/2011	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	40 GPM
Casing Size:	6.00	**Depth Well:**	140 feet	**Depth Water:**	75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	75	76	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	65	105

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	Twn	Rng	X	Y
	C 03507 POD1	1	3	3	05	26S	29E	593064	3548313

Driller License:	1058	**Driller Company:**	KEY'S DRILLING & PUMP SERVICE		
Driller Name:	KEY, CLINTON				
Drill Start Date:	08/26/2011	**Drill Finish Date:**	08/26/2011	**Plug Date:**	
Log File Date:	09/12/2011	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	35 GPM
Casing Size:	6.00	**Depth Well:**	140 feet	**Depth Water:**	78 feet

Water Bearing Stratifications:	Top	Bottom	Description
	78	79	Shale/Mudstone/Siltstone
	105	106	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	75	112

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

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 measu
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		

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
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	
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.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
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News

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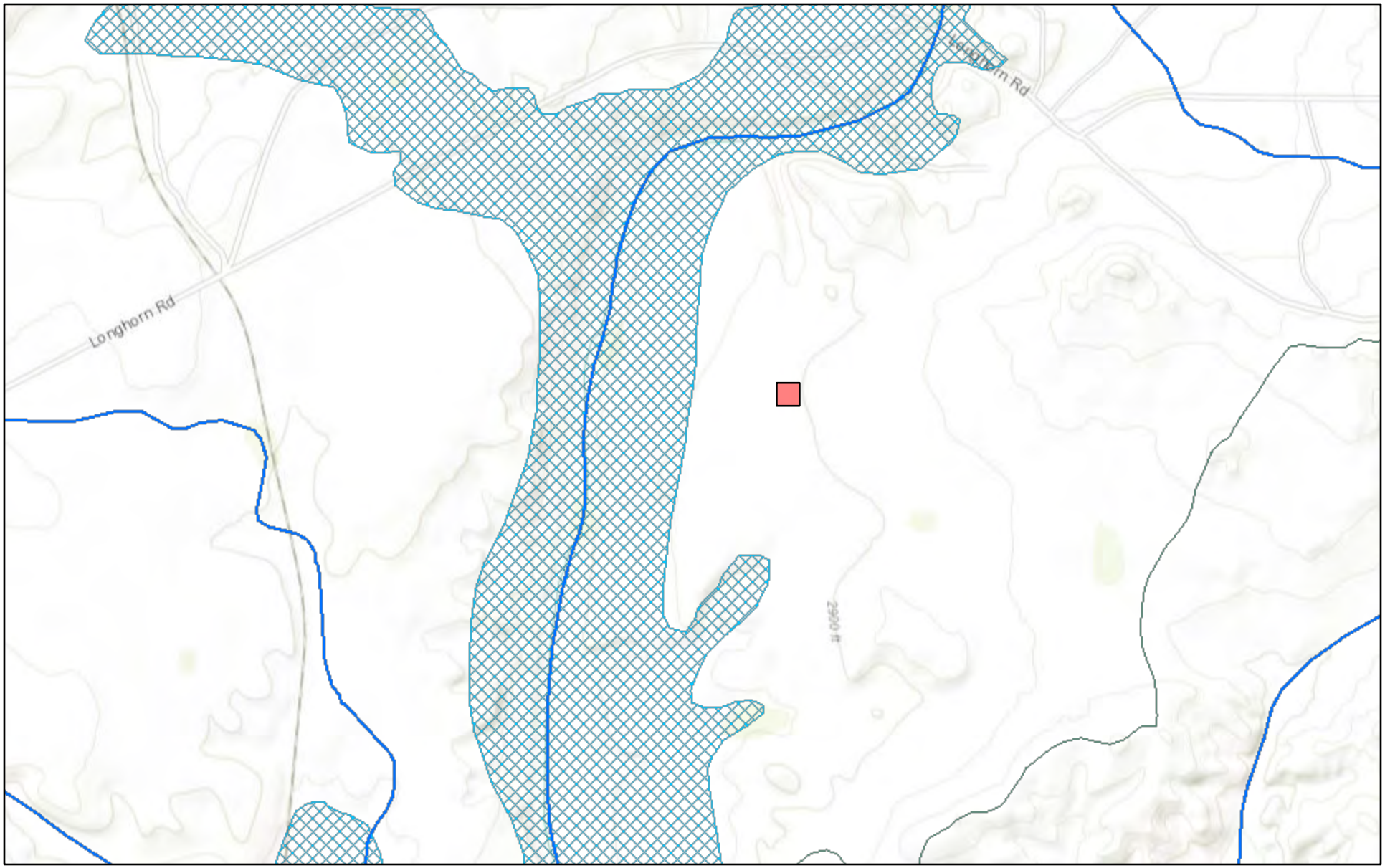
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-11-02 12:14:24 EDT
0.28 0.24 nadww01

New Mexico NFHL Data



November 2, 2022

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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 165997

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 165997
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	2/7/2023