Site Information

Closure Report
Road Runner CTB (09.19.21)
Eddy County, New Mexico
Unit C Sec 36 T25S R26E
Incident #: NAPP2128034104
32.093200°, -104.247100°

Produced Water Release
Source: Pinhole in the check valve
Release Date: 09/19/2021
Volume Released: 40 bbls/Produced Water
Volume Recovered: 40 bbls/Produced Water

Prepared for:
Concho Operating, LLC
15 West London Rd
Loving, NM 88256

Prepared by:
NTG Environmental
701 Tradewinds Blvd
Suite C
Midland, TX 79706

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FIGURES

TABLES/PHOTOLOG

APPENDICES

701 Tradewinds Boulevard, Suite C
Midland, Texas 79706
Tel. 432.685.3898
www.ntglobal.com

November 23, 2021

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

Re: Closure Report
Road Runner CTB (09.19.21)
Concho Operating, LLC
Site Location: Unit C, S36, T25S, R26E
(Lat 32.093200º, Long -104.247100º)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document the liner inspection activities for the Road Runner CTB (09.19.21). The site is located at 32.093200º, -104.247100º within Unit C, S36, T25S, R26E, and approximately 13.72 miles Southwest of Malaga, New Mexico, in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on September 19, 2021. It resulted in the release of approximately forty (40) barrels of produced water. Approximately forty (40) barrels of produced water were recovered. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water well source within a ½ mile radius of the location. The nearest identified well is located approximately 0.75 miles Northeast of the site in S25, T25S, R26E. The well has a reported depth to groundwater of 13.96 feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* report is attached in Appendix B.

Regulatory Criteria

In accordance with 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.

Liner Inspection

On October 19, 2021, New Tech Global Environmental conducted liner inspection activities to assess the liner's integrity within the facility. NTGE personnel proceeded to inspect the liner visually. The liner was found to be intact with no integrity issues. Refer to the Photolog.

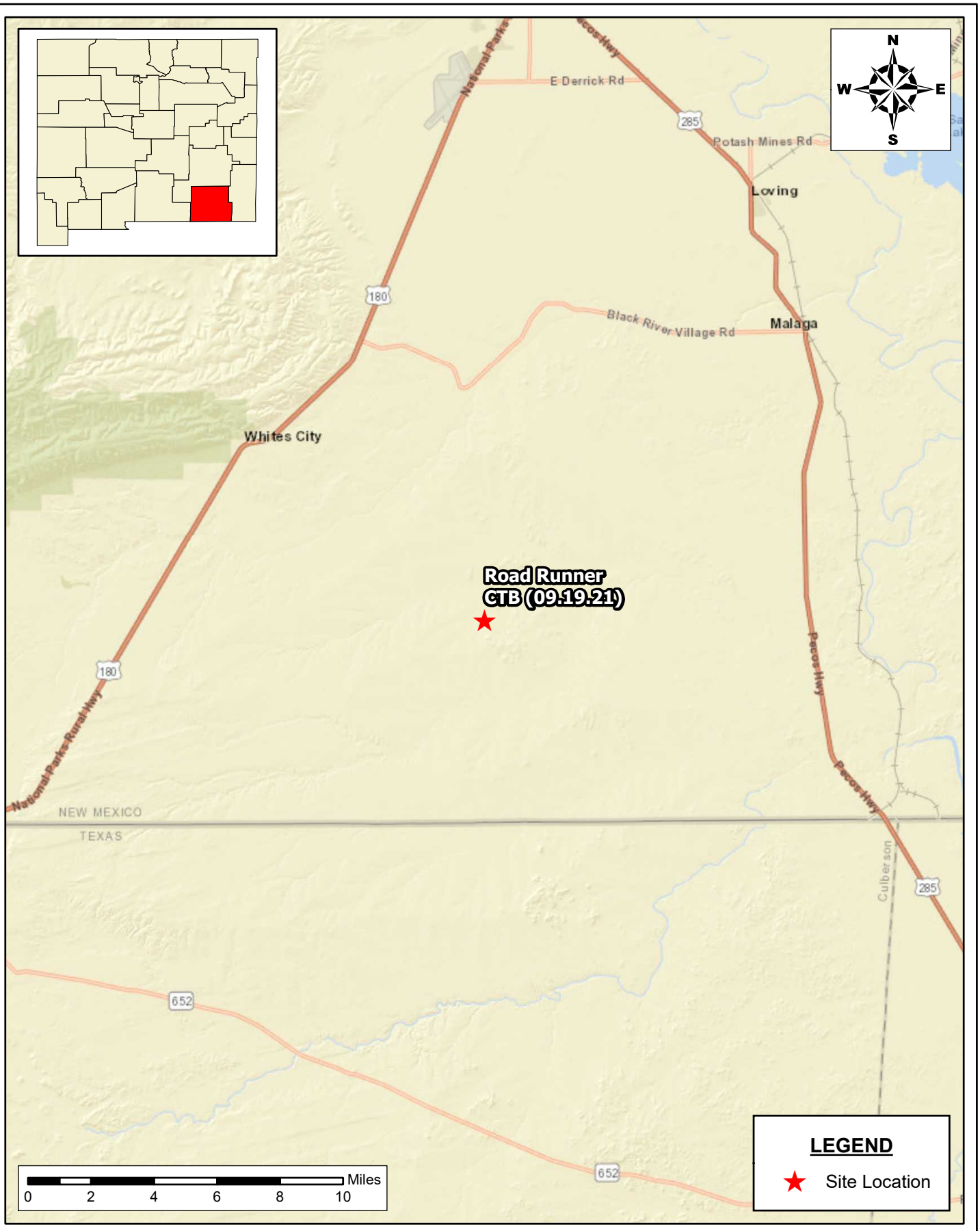
Conclusions

Based on the liner inspection throughout the facility, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager

Figures



SITE LOCATION MAP
COG OPERATING, LLC
ROAD RUNNER CTB (09.19.21)
EDDY COUNTY, NEW MEXICO
32.093200, -104.247100

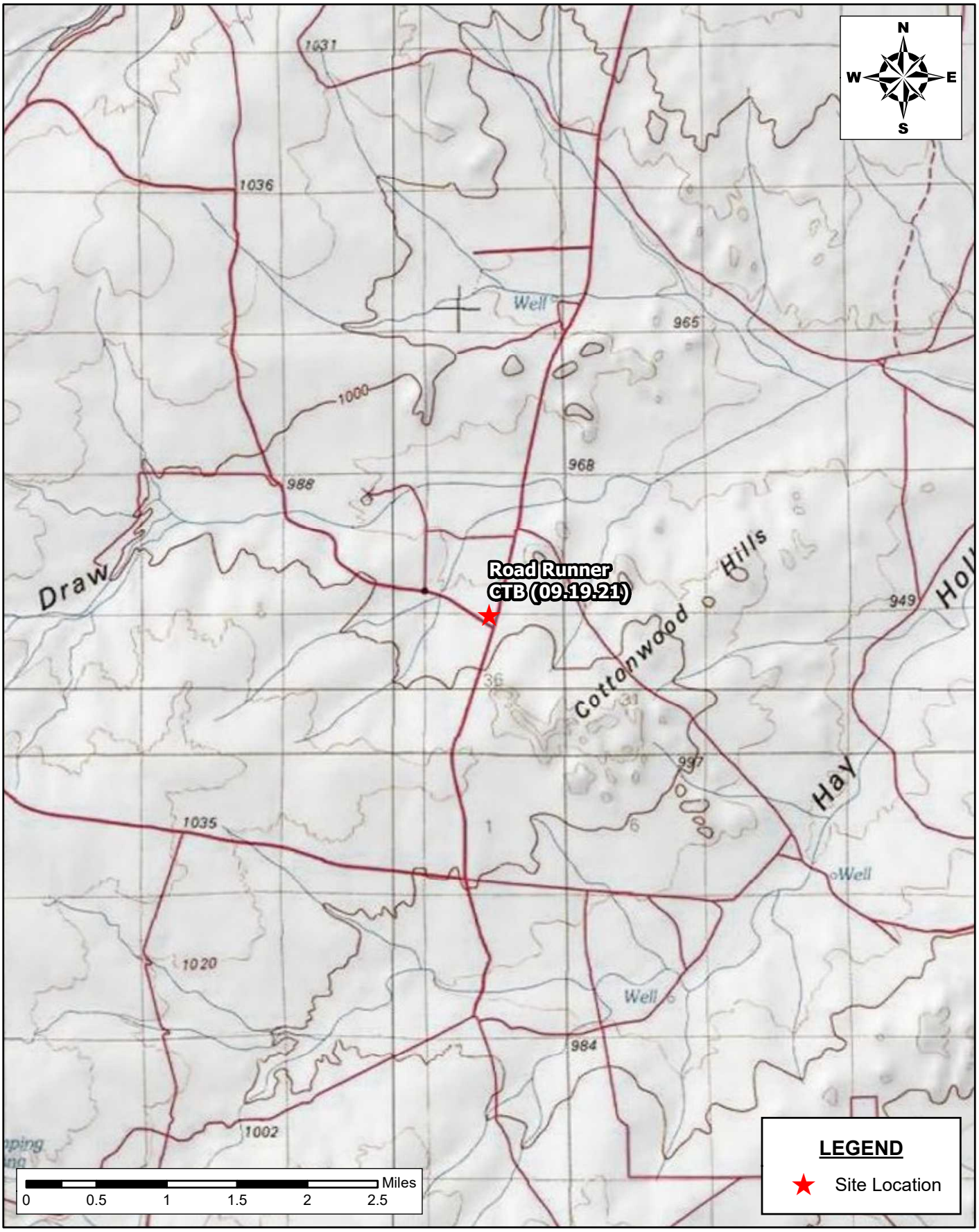
SCALE: As Shown | Date: 11/10/2021 | PROJECT #: 214789

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

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

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

Document Path: P:\2021 PROJECTS\COG\RSC\214789 Road Runner CTB (09.19.21)\7 - Figures\Geodatabase\Figure_1_SLMap_11102021.mxd



AREA MAP
COG OPERATING, LLC
ROAD RUNNER CTB (09.19.21)
EDDY COUNTY, NEW MEXICO
32.093200, -104.247100

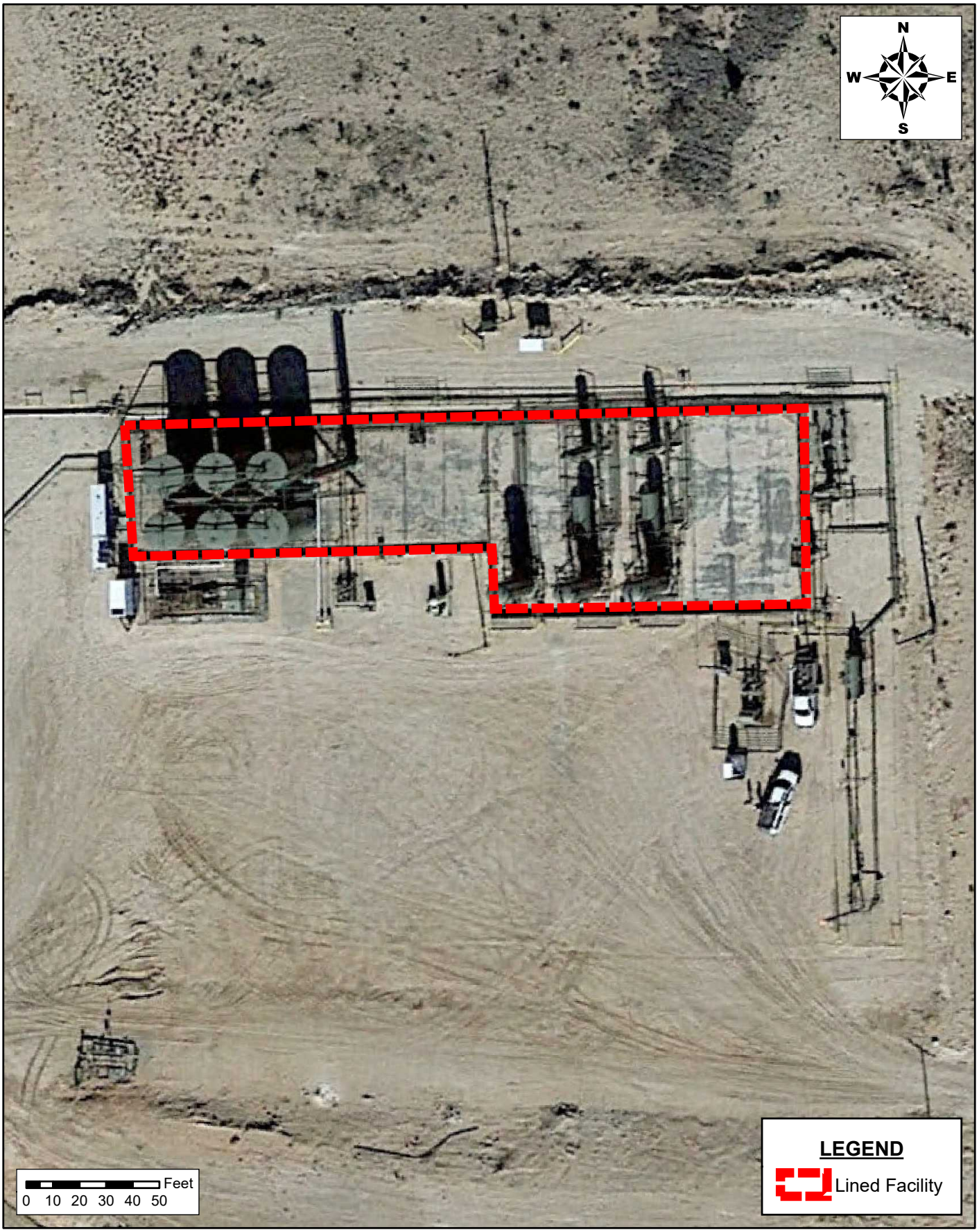
SCALE: As Shown | Date: 11/10/2021 | PROJECT #: 214789

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

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

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

Document Path: P:\2021 PROJECTS\COG\RSC\214789 Road Runner CTB (09.19.21)\7 - Figures\Geodatabase\Figure_2_AREALMap_11102021.mxd



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SECONDARY CONTAINMENT MAP
COG OPERATING, LLC
ROAD RUNNER CTB (09.19.21)
EDDY COUNTY, NEW MEXICO
32.093200, -104.247100

SCALE: As Shown	Date: 11/10/2021	PROJECT #: 214789

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

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

Photo Log

PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 1

Facility: Road Runner CTB (09.19.21)

County: Eddy County, New Mexico

Description:
View Northeast, of liner inside the facility.

Photograph No. 2

Facility: Road Runner CTB (09.19.21)

County: Eddy County, New Mexico

Description:
View Southwest, of liner inside the facility.

Photograph No. 3

Facility: Road Runner CTB (09.19.21)

County: Eddy County, New Mexico

Description:
View North, of liner inside the facility.

PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 4

Facility: Road Runner CTB (09.19.21)

County: Eddy County, New Mexico

Description:
View East, of liner inside the facility.

Photograph No. 5

Facility: Road Runner CTB (09.19.21)

County: Eddy County, New Mexico

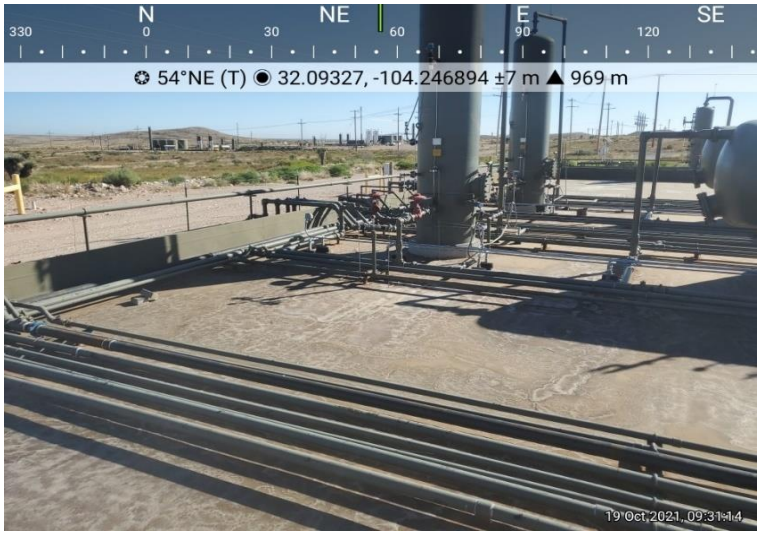
Description:
View Northwest, of liner inside the facility.

Photograph No. 6

Facility: Road Runner CTB (09.19.21)

County: Eddy County, New Mexico

Description:
View Northeast, of liner inside the facility.



PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 7

Facility: Road Runner CTB (09.19.21)

County: Eddy County, New Mexico

Description:
View East, of liner inside the facility.

Photograph No. 8

Facility: Road Runner CTB (09.19.21)

County: Eddy County, New Mexico

Description:
View Southwest, of liner inside the facility.

Photograph No. 9

Facility: Road Runner CTB (09.19.21)

County: Eddy County, New Mexico

Description:
View Northwest, of liner inside the facility.

Appendix A

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: Ramona Marcus Date: 10/7/2021

L48 Spill Volume Estimate Form

Facility Name & Number:	Road Runner 3-13 CTB
Asset Area:	DBWN
Release Discovery Date & Time:	9.19.21
Release Type:	Oil
Provide any known details about the event:	Pinhole in check valve

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	40.0	40.0	4.00	3	1600.000	0.111	31.644	0.006	31.820
Rectangle B	20.0	30.0	2.75	3	600.000	0.076	8.158	0.004	8.189
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:	40.010

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 54649
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	10/7/2021

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring 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	
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: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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: Jacqui 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.

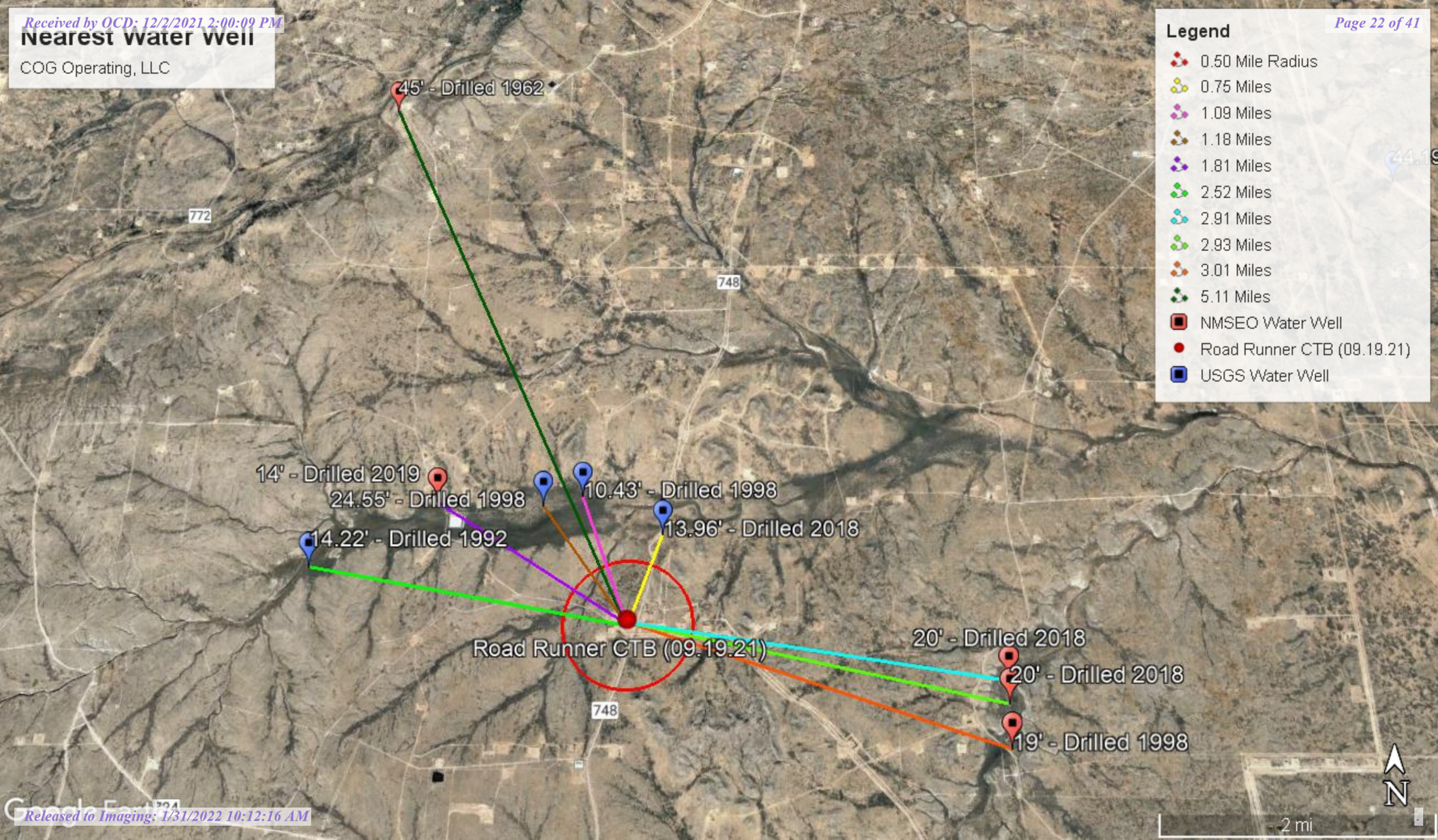
Closure Approved by: Jennifer Nobui Date: _____

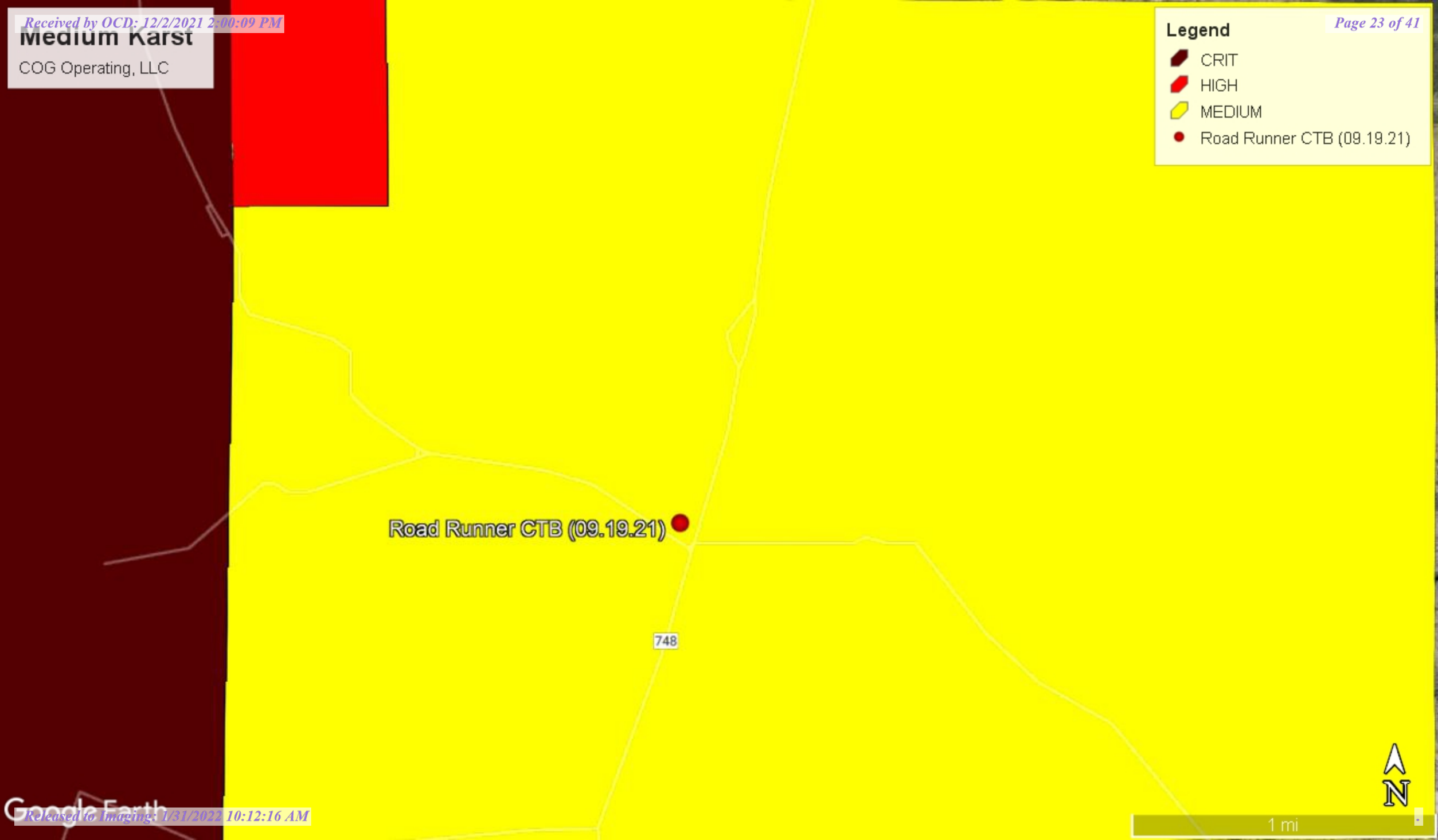
Printed Name: _____ Title: _____

Appendix B

Nearest Water Well

COG Operating, LLC





National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

Click to hideNews Bulletins

- 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 =
- 320616104142801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320616104142801 25S.26E.25.23231

Eddy County, New Mexico
Latitude 32°06'12.6", Longitude 104°14'33.9" NAD83
Land-surface elevation 3,188.60 feet above NGVD29
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 of measurement	? Water-level approval status
1978-01-25		D	62610		3184.39	NGVD29	1	Z			A
1978-01-25		D	62611		3186.05	NAVD88	1	Z			A
1978-01-25		D	72019	4.21			1	Z			A
1983-02-01		D	62610		3185.96	NGVD29	1	Z			A
1983-02-01		D	62611		3187.62	NAVD88	1	Z			A
1983-02-01		D	72019	2.64			1	Z			A
1987-10-08		D	62610		3185.63	NGVD29	1	Z			A
1987-10-08		D	62611		3187.29	NAVD88	1	Z			A
1987-10-08		D	72019	2.97			1	Z			A
1992-11-04		D	62610		3186.55	NGVD29	1	S			A
1992-11-04		D	62611		3188.21	NAVD88	1	S			A
1992-11-04		D	72019	2.05			1	S			A
1998-01-07		D	62610		3186.62	NGVD29	1	S			A
1998-01-07		D	62611		3188.28	NAVD88	1	S			A
1998-01-07		D	72019	1.98			1	S			A
2003-01-28		D	62610		3181.38	NGVD29	1	S	USGS	S	A
2003-01-28		D	62611		3183.04	NAVD88	1	S	USGS	S	A
2003-01-28		D	72019	7.22			1	S	USGS	S	A
2013-01-09	22:45 UTC	m	62610		3177.78	NGVD29	1	S	USGS	S	A
2013-01-09	22:45 UTC	m	62611		3179.44	NAVD88	1	S	USGS	S	A
2013-01-09	22:45 UTC	m	72019	10.82			1	S	USGS	S	A
2018-02-13	22:15 UTC	m	62610		3174.64	NGVD29	1	S	USGS	S	A
2018-02-13	22:15 UTC	m	62611		3176.30	NAVD88	1	S	USGS	S	A
2018-02-13	22:15 UTC	m	72019	13.96			1	S	USGS	S	A

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	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.

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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- 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 =
- 320629104151301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320629104151301 25S.26E.26.22231

Eddy County, New Mexico
Latitude 32°06'29", Longitude 104°15'13" NAD27
Land-surface elevation 3,212 feet above NAVD88
The depth of the well is 16 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 of measurement	? Water-level approval status
1983-02-01		D	62610		3195.46	NGVD29	1	Z			A
1983-02-01		D	62611		3197.12	NAVD88	1	Z			A
1983-02-01		D	72019	14.88			1	Z			A
1987-10-08		D	62610		3198.45	NGVD29	1	Z			A
1987-10-08		D	62611		3200.11	NAVD88	1	Z			A
1987-10-08		D	72019	11.89			1	Z			A
1992-11-04		D	62610		3199.71	NGVD29	1	S			A
1992-11-04		D	62611		3201.37	NAVD88	1	S			A
1992-11-04		D	72019	10.63			1	S			A
1998-01-07		D	62610		3199.91	NGVD29	1	S			A
1998-01-07		D	62611		3201.57	NAVD88	1	S			A
1998-01-07		D	72019	10.43			1	S			A

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.

Section	Code	Description
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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- Full News

Groundwater levels for New Mexico

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320625104153201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320625104153201 25S.26E.26.213213

Eddy County, New Mexico
Latitude 32°06'25", Longitude 104°15'32" NAD27
Land-surface elevation 3,219 feet above NAVD88
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 of measurement	? Water-level approval status
1983-02-01		D	62610		3199.04	NGVD29	1	Z			A
1983-02-01		D	62611		3200.71	NAVD88	1	Z			A
1983-02-01		D	72019	18.29			1	Z			A
1987-10-08		D	62610		3202.18	NGVD29	1	Z			A
1987-10-08		D	62611		3203.85	NAVD88	1	Z			A
1987-10-08		D	72019	15.15			1	Z			A
1992-11-04		D	62610		3202.16	NGVD29	1	S			A
1992-11-04		D	62611		3203.83	NAVD88	1	S			A
1992-11-04		D	72019	15.17			1	S			A
1998-01-07		D	62610		3192.78	NGVD29	1	S			A
1998-01-07		D	62611		3194.45	NAVD88	1	S			A
1998-01-07		D	72019	24.55			1	S			A

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.

Section	Code	Description
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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- 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 =
- 320559104172201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320559104172201 25S.26E.28.423113

Eddy County, New Mexico
Latitude 32°05'59", Longitude 104°17'22" NAD27
Land-surface elevation 3,283 feet above NAVD88
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 of measurement	? Water-level approval status
1983-02-01		D	62610		3266.82	NGVD29	1	Z			A
1983-02-01		D	62611		3268.50	NAVD88	1	Z			A
1983-02-01		D	72019	14.50			1	Z			A
1987-10-08		D	62610		3268.06	NGVD29	1	Z			A
1987-10-08		D	62611		3269.74	NAVD88	1	Z			A
1987-10-08		D	72019	13.26			1	Z			A
1992-11-19		D	62610		3267.10	NGVD29	3	S			A
1992-11-19		D	62611		3268.78	NAVD88	3	S			A
1992-11-19		D	72019	14.22			3	S			A

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
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

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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: 2021-10-25 16:42:26 EDT
0.31 0.27 nadww02

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 01013		C	ED			4	25	25S	26E	571505	3551456*	245		
C 01089		C	ED	3	4	1	03	25S	26E	567505	3558398*	96	45	51
C 01368		C	ED		1	1	22	25S	26E	567261	3554059*	143	118	25
C 02220		CUB	ED	3	1	2	26	25S	26E	569598	3552352*	35		
C 02221		CUB	ED	4	3	2	25	25S	26E	571412	3551961*	35		
C 02675		C	ED	1	4	1	09	25S	26E	565907	3556978*	180	45	135
C 03258		C	ED	1	1	4	07	25S	26E	563073	3556546*	360		
C 03285		C	ED	4	4	2	07	25S	26E	563713	3556658	84	60	24
C 03569 POD1		CUB	ED	2	1	1	14	25S	26E	568862	3555746	30	0	30
C 03654 POD1		CUB	ED	2	3	1	24	25S	26E	570654	3553773			
C 03654 POD2		CUB	ED	2	3	1	24	25S	26E	554766	3562304			
C 03655 POD1		CUB	ED			4	22	25S	26E	550692	3561324			
C 03655 POD2		CUB	ED			4	22	25S	26E	550732	3561337			
C 03655 POD3		CUB	ED	1	4	4	22	25S	26E	568458	3553019			
C 03655 POD4		CUB	ED			4	22	25S	26E	550684	3561362			
C 04036 POD1		C	ED	1	4	3	06	25S	26E	562745	3557733	160	125	35
C 04049 POD1		CUB	ED	3	2	3	06	25S	26E	562592	3557864	165	120	45
C 04050 POD1		CUB	ED	1	4	3	06	25S	26E	562695	3557776	165	125	40
C 04329 POD1		C	ED	2	2	2	27	25S	26E	568577	3552567	57	14	43

Average Depth to Water: **72 feet**
Minimum Depth: **0 feet**
Maximum Depth: **125 feet**

Record Count: 19

PLSS Search:

Township: 25S **Range:** 26E

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

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	Depth Well	Depth Water	Water Column
C 02588	C	ED	3	4	3	33	25S	27E	575645	3549575*	81	19	62
C 03261 POD1	CUB	ED	3	2	1	20	25S	27E	574007	3554006*	351		
C 03262 POD1	CUB	ED	2	1	2	22	25S	27E	577837	3554244*	75		
C 03264 POD1	CUB	ED	2	1	2	02	25S	27E	579391	3559099*			
C 03938 POD1	CUB	ED	2	2	2	25	25S	27E	581482	3552616	21	12	9
C 04078 POD1	CUB	ED	3	4	1	33	25S	27E	575667	3550363	157	20	137
C 04079 POD1	CUB	ED	1	2	3	33	25S	27E	575658	3550092	226	20	206
C 04371 POD1	CUB	ED	3	3	4	26	25S	27E	579369	3551272	100	69	31

Average Depth to Water: **28 feet**
Minimum Depth: **12 feet**
Maximum Depth: **69 feet**

Record Count: 8

PLSS Search:

Township: 25S **Range:** 27E

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

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
222B5	C 04329 POD1	2	2	2	27	25S	26E	568577	3552567

Driller License: 1348 **Driller Company:** TAYLOR WATER WELL SERVICE

Driller Name: CLINTON E TAYLOR

Drill Start Date:	06/07/2019	**Drill Finish Date:**	06/08/2019	**Plug Date:**	
Log File Date:	06/17/2019	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	100 GPM
Casing Size:	4.50	**Depth Well:**	57 feet	**Depth Water:**	14 feet

Water Bearing Stratifications:	Top	Bottom	Description
	14	24	Other/Unknown
	24	57	Other/Unknown

Casing Perforations:	Top	Bottom
	20	57

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 02588	3	4	3	33	25S	27E	575645	3549575*

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)
(NAD83 UTM in meters)

Driller License: 1348 **Driller Company:** TAYLOR WATER WELL SERVICE

Driller Name:

Drill Start Date: 05/31/1998 **Drill Finish Date:** 06/03/1998 **Plug Date:**

Log File Date: 08/24/1998 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 2 GPM

Casing Size: 5.00 **Depth Well:** 81 feet **Depth Water:** 19 feet

Water Bearing Stratifications:	Top	Bottom	Description
	21	23	Other/Unknown
	52	81	Other/Unknown

Casing Perforations:	Top	Bottom
	53	81

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

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twp	Rng	X	Y
		(quarters are 1=NW 2=NE 3=SW 4=SE)			(quarters are smallest to largest)			(NAD83 UTM in meters)	
NA	C 04078 POD1	3	4	1	33	25S	27E	575667	3550363

Driller License:	1690	**Driller Company:**	VISION RESOURCES, INC		
Driller Name:	JASON MALEY				
Drill Start Date:	05/23/2018	**Drill Finish Date:**	05/24/2018	**Plug Date:**	
Log File Date:	06/25/2018	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	90 GPM
Casing Size:	6.00	**Depth Well:**	157 feet	**Depth Water:**	20 feet

Water Bearing Stratifications:	Top	Bottom	Description
	0	35	Shale/Mudstone/Siltstone
	35	85	Sandstone/Gravel/Conglomerate
	85	110	Sandstone/Gravel/Conglomerate
	110	150	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	38	157

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twp	Rng	X	Y
		(quarters are 1=NW 2=NE 3=SW 4=SE)			(quarters are smallest to largest)			(NAD83 UTM in meters)	
NA	C 04079 POD1	1	2	3	33	25S	27E	575658	3550092

Driller License: 1690 **Driller Company:** VISION RESOURCES, INC

Driller Name: JASON MALEY

Drill Start Date: 05/21/2018 **Drill Finish Date:** 05/22/2018 **Plug Date:**

Log File Date: 06/25/2018 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 90 GPM

Casing Size: 6.00 **Depth Well:** 226 feet **Depth Water:** 20 feet

Water Bearing Stratifications:	Top	Bottom	Description
	0	30	Sandstone/Gravel/Conglomerate
	30	45	Sandstone/Gravel/Conglomerate
	45	160	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	2	225

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twp	Rng	X	Y
	C 01089	3	4	1	03	25S	26E	567505	3558398*

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)
(NAD83 UTM in meters)

Driller License:	46	**Driller Company:**	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, FLOYD				
Drill Start Date:	08/06/1962	**Drill Finish Date:**	08/07/1962	**Plug Date:**	11/01/1962
Log File Date:	08/17/1962	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	96 feet	**Depth Water:**	45 feet

Water Bearing Stratifications:	Top	Bottom	Description
	45	65	Sandstone/Gravel/Conglomerate
	65	75	Sandstone/Gravel/Conglomerate
	75	90	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	45	90

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

New Mexico NFHL Data

November 9, 2021

1:18,056

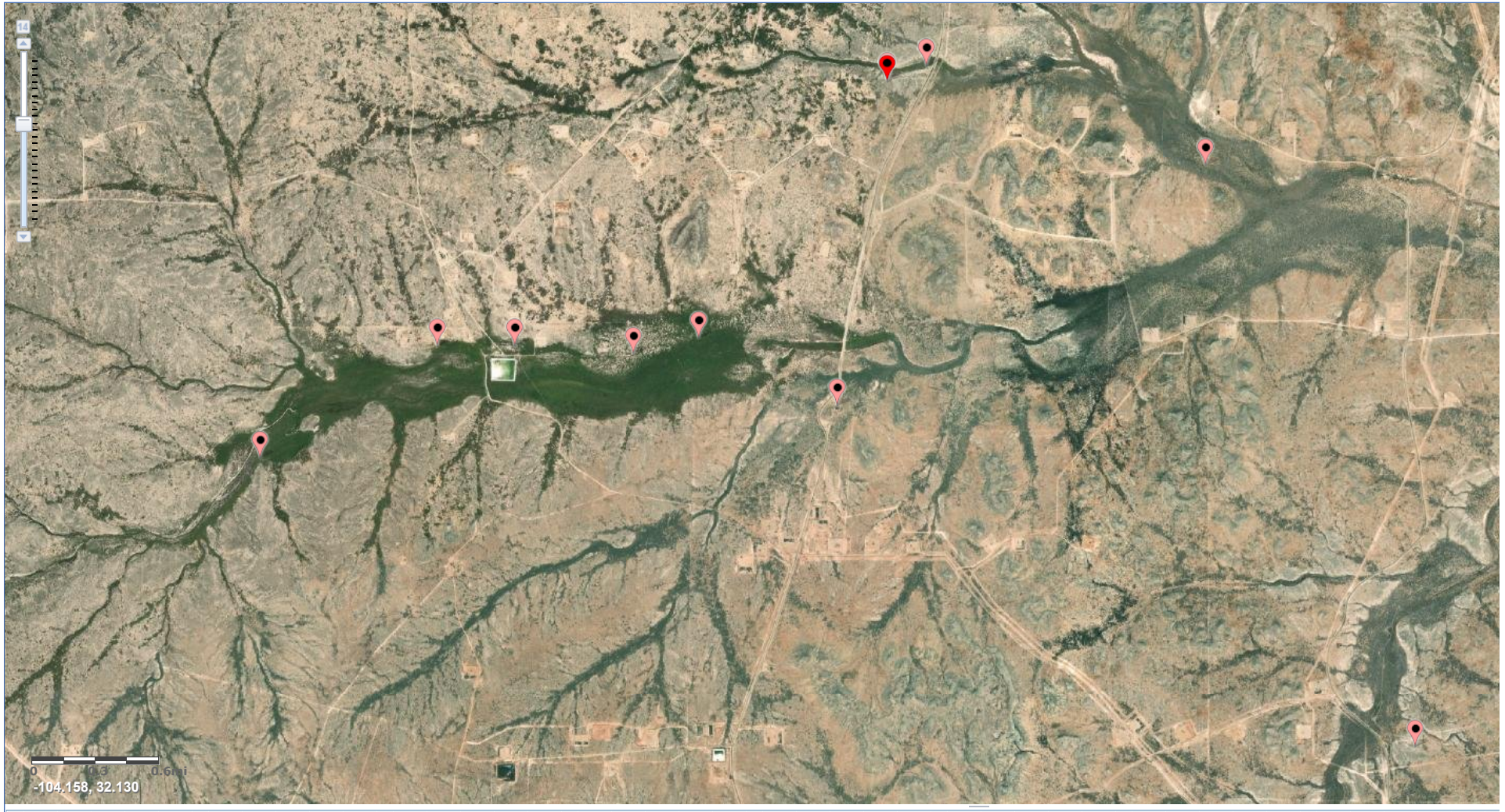
0 0.15 0.3 0.6 mi

0 0.25 0.5 1 km

FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

USGS science for a changing world

National Water Information System: Mapper



Site Information

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 64794

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 64794
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report is approved. Going forward, please include a copy of the 2 business day notification of liner inspection in report.	1/31/2022