Site Information

Closure Report
White Federal Com 001H (12.14.21)
Incident #: NAPP2136442801
Eddy County, New Mexico
Unit A Sec 21 T25S R29E
32.12128º, -103.98215º

Crude Oil Release
Source: Corrosion of a 4" Ball Valve Behind Oil Storage Tank
Release Date: 12.14.21
Volume Released: 88 bbls/Crude Oil
Volume Recovered: 45 bbls/ Crude Oil

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

January 7, 2022

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

Re: Closure Report
White Federal Com 001H (12.14.21)
Concho Operating, LLC
Site Location: Unit A, S21, T25S, R29E
(Lat 32.12128º, Long -103.98215º)
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 White Federal Com 001H (12.12.21). The site is located at 32.12128º, -103.98215º within Unit A, S21, T25S, R29E, and approximately 8.90 miles Southeast 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 December 14, 2021, due to corrosion of a 4" ball valve behind the oil storage tank. It resulted in the release of approximately eighty-eight (88) barrels of crude oil, and forty-five (45) barrels were recovered within the line facility; the other remaining fluids were absorbed in the pea gravel. 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 source within a ½ mile radius of the location. The nearest identified well is located approximately 0.16 miles Northeast of the site in S16, T25S, R29E. The well has a reported depth to groundwater of 165.05 feet below ground surface (ft bgs). A copy of the associated *USGS – National Water Information System* 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 January 6, 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

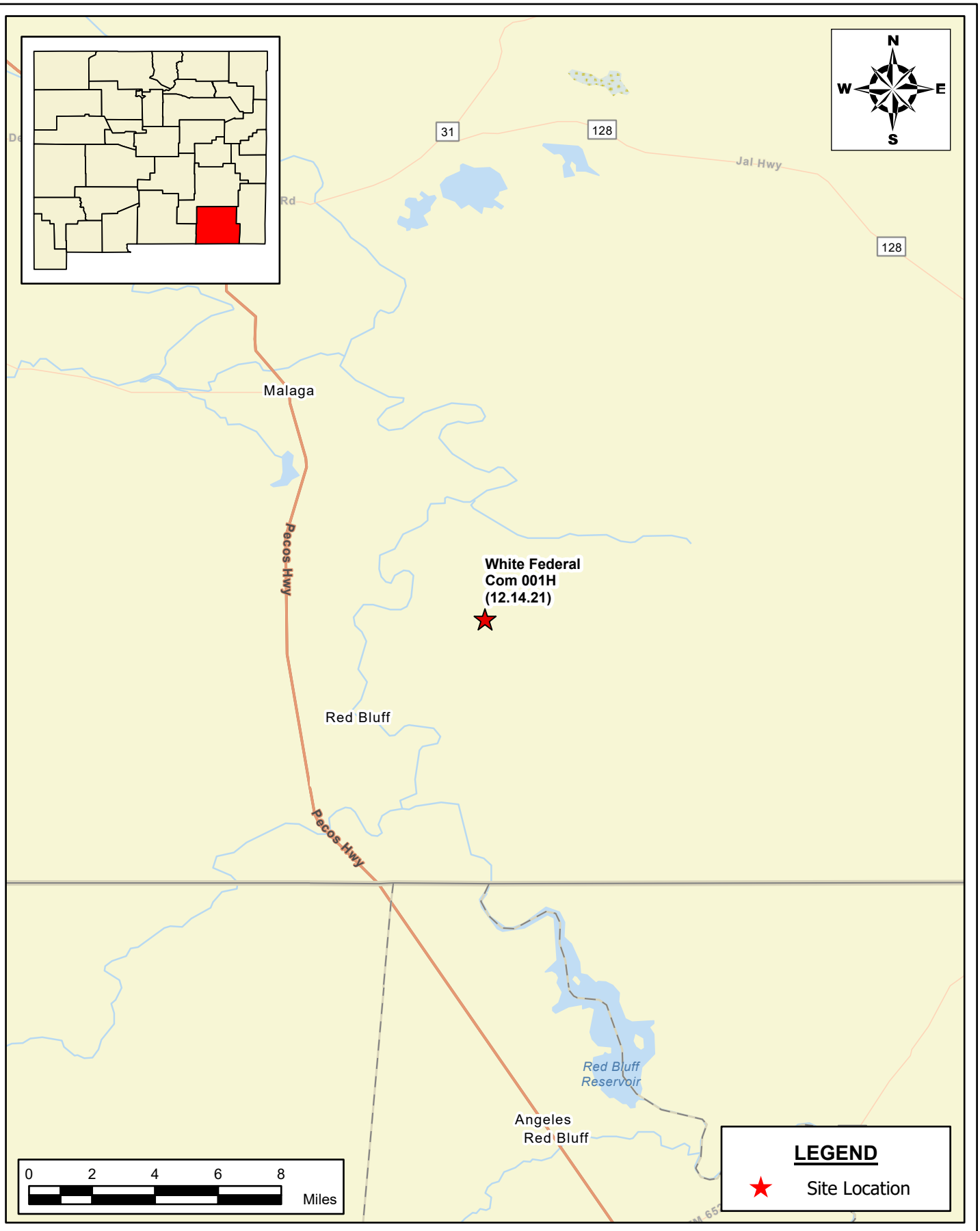
Based on the liner inspection throughout the facility, no further actions are required at the site. The final C-141 is attached, and Concho Operating, LLC formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager

Ashton Thielke
Project Manager

Figures



SITE LOCATION MAP
COG OPERATING, LLC
WHITE FEDERAL COM 001H (12.14.21)
EDDY COUNTY, NEW MEXICO
32.12128, -103.98215

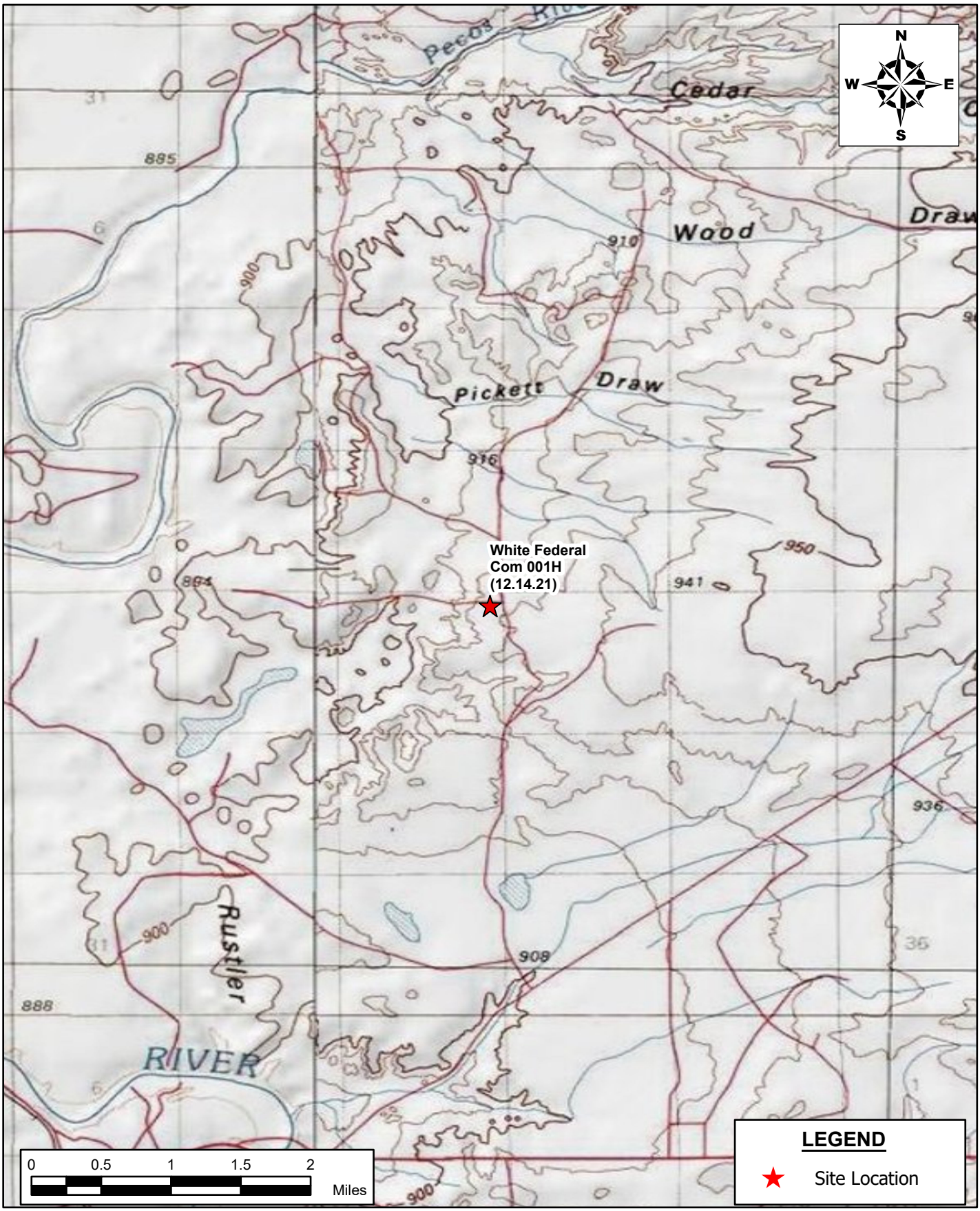
SCALE: As Shown | Date: 1/7/2022 | PROJECT #: 215079

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:\Full Figure Template Revised.aprx



AREA MAP
COG OPERATING, LLC
WHITE FEDERAL COM 001H (12.14.21)
EDDY COUNTY, NEW MEXICO
32.12128, -103.98215

SCALE: As Shown | Date: 1/7/2022 | PROJECT #: 215079

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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:\Full Figure Template Revised.aprx

1 of 1	SHEET NUMBER	FIGURE 3	DRAWING NUMBER

SECONDARY CONTAINMENT MAP
COG OPERATING, LLC
WHITE FEDERAL COM 001H (12.14.21)
EDDY COUNTY, NEW MEXICO
32.12128, -103.98215

SCALE: AS SHOWN | DATE: 01/07/2022 | PROJECT #: 215079

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 and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto)
2. Map Projection: NAD 1983

Photo Log

PHOTOGRAPHIC LOG

COG Operating, LLC

Photograph No. 1

Facility: White Federal Com 001H (12.14.21)

County: Eddy County, New Mexico

Description:
Veiw East, Area of Lined Containment

Photograph No. 2

Facility: White Federal Com 001H (12.14.21)

County: Eddy County, New Mexico

Description:
Veiw Southeast, Area of Lined Containment

Photograph No. 3

Facility: White Federal Com 001H (12.14.21)

County: Eddy County, New Mexico

Description:
Veiw East, Backside of the facilty with the Lined Containment

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	NAPP2136442801
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacqui Harris	Contact Telephone	(575) 496 - 0780
Contact email	Jacqui.Harris@Conocophillips.com	Incident # *(assigned by OCD)*	NAPP2136442801
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.12128 Longitude -103.98215
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	White Federal Com 001H	Site Type	Tank Battery
Date Release Discovered	December 14, 2021	API# *(if applicable)*	30-015-36185

Unit Letter	Section	Township	Range	County
A	21	25S	29E	Eddy

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) 88	Volume Recovered (bbls) 45
☐ 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

The release was caused by a 4" ball valve corroding out behind the oil storage tank. The release occurred within the lined facility. A vacuum truck was dispatched to remove all freestanding fluids. Concho will have the spill area evaluated for any possible impact from the release.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2136442801
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? The volume released was greater than 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Immediate notice was given by Jacqui Harris via e-mail December 15, 2021 at 11:51 am to blm_nm_cfo_spill@blm.gov and ocd.enviro@state.nm.us.

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: Brittany N. Esparza
Title: Environmental Technician
Signature: Brittany Esparza
Date: 12/29/2021
email: brittany.esparza@conocophillips.com
Telephone: (432) 221-0398

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form

Facility Name & Number:	White Federal #1
Asset Area:	DBWN
Release Discovery Date & Time:	12.14.21
Release Type:	Oil
Provide any known details about the event:	Tank leaked/ Well is on pump by exception route

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	141.0	23.0	3.50	4	3243.000	0.073	42.091	0.004	42.245			
Rectangle B					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			
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:	42.245			

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.

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.

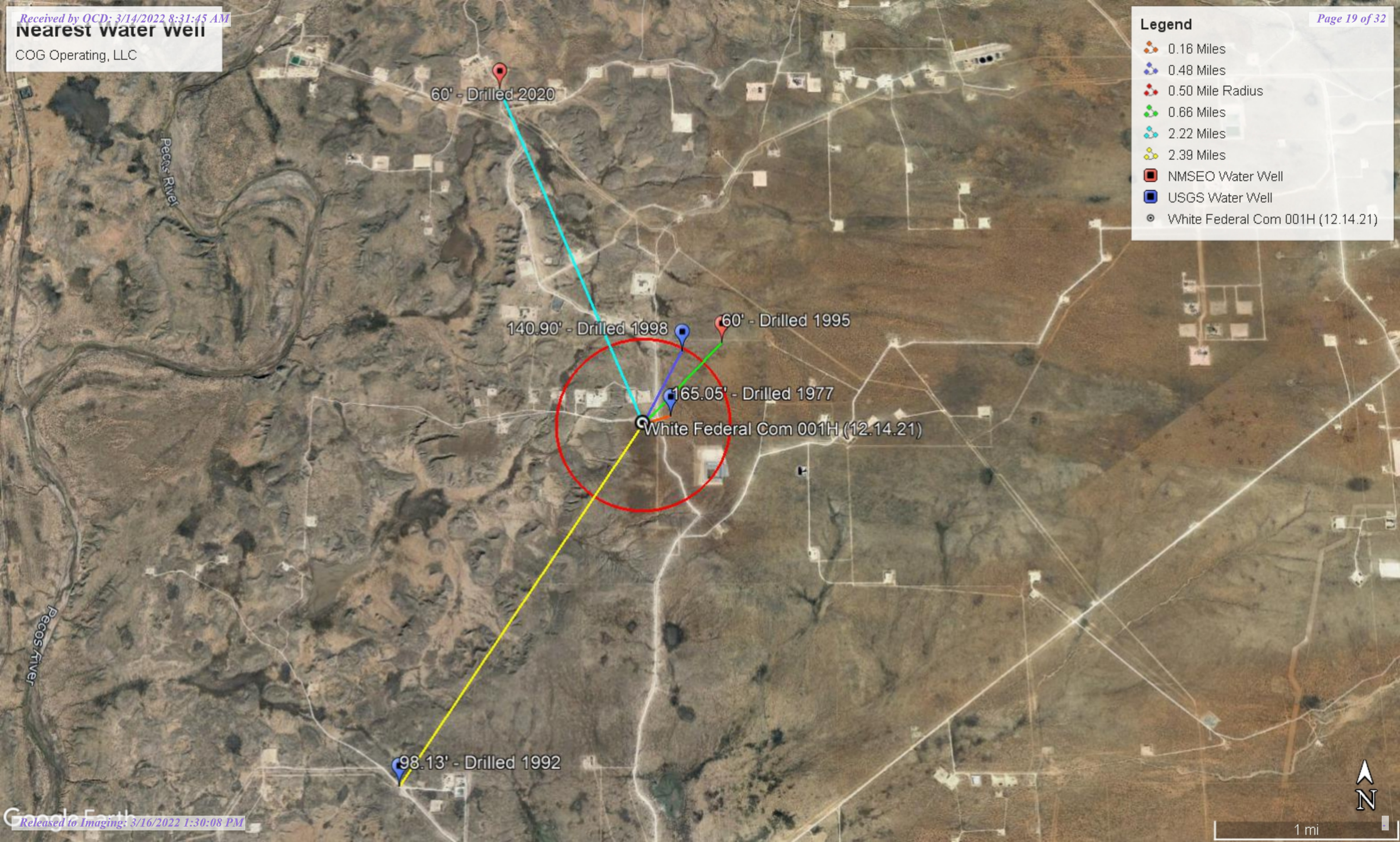
Closure Approved by: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

Appendix B

Nearest Water Well

COG Operating, LLC



Medium Karst

COG Operating, LLC

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 02371	C	ED		2	3	15	25S	29E	596741	3555106*	1057	200	60	140
C 02680	CUB	ED		2	3	15	25S	29E	596741	3555106*	1057	200		
C 04503 POD1	CUB	ED	4	3	3	09	25S	29E	594884	3556142	2136			
C 04558 POD1	CUB	ED	3	4	3	23	25S	29E	598354	3553039	2668			
C 02518	C	ED		3	4	08	25S	29E	593895	3556300*	2895	462		
C 04525 POD1	CUB	ED	3	1	2	10	25S	29E	596976	3557505	3313			
C 04324 POD10	CUB	ED	1	1	1	09	25S	29E	594563	3557603	3580	65	60	5
C 04324 POD11	CUB	ED	1	1	1	09	25S	29E	594576	3557619	3589	61	61	0
C 04324 POD9	CUB	ED	1	1	1	09	25S	29E	594590	3557676	3637	72	62	10
C 04324 POD12	CUB	ED	2	2	2	08	25S	29E	594476	3557627	3638	65	60	5
C 04324 POD6	CUB	ED	1	1	1	09	25S	29E	594538	3557657	3640	62	61	1
C 04324 POD8	CUB	ED	4	4	4	05	25S	29E	594442	3557807	3815	69	65	4

Average Depth to Water: **61 feet**

Minimum Depth: **60 feet**

Maximum Depth: **65 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 596019.46 **Northing (Y):** 3554332.62 **Radius:** 4000

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

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04324 POD10	1	1	1	09	25S	29E	594563	3557603

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date:	07/20/2019	**Drill Finish Date:**	07/21/2019	**Plug Date:**	11/25/2020
Log File Date:	08/28/2019	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.06	**Depth Well:**	65 feet	**Depth Water:**	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	65	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	45	65

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) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	C 02371	2	3		15	25S	29E	596741	3555106*

Driller License:	1259	**Driller Company:**	CAMPBELL DRILLING		
Driller Name:	CAMPBELL, MICHAEL R.				
Drill Start Date:	01/12/1995	**Drill Finish Date:**	01/24/1995	**Plug Date:**	
Log File Date:	02/01/1995	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	20 GPM
Casing Size:	7.00	**Depth Well:**	200 feet	**Depth Water:**	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	162	200	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	140	200

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

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 =
- 320719103584601

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

USGS 320719103584601 25S.29E.16.44444

Eddy County, New Mexico
Latitude 32°07'19", Longitude 103°58'46" NAD27
Land-surface elevation 3,042 feet above NAVD88
The depth of the well is 200 feet below land surface.
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
1958-08-19		D	62610		2870.28	NGVD29	1	Z		
1958-08-19		D	62611		2871.86	NAVD88	1	Z		
1958-08-19		D	72019	170.14			1	Z		
1958-10-23		D	62610		2869.62	NGVD29	1	Z		
1958-10-23		D	62611		2871.20	NAVD88	1	Z		
1958-10-23		D	72019	170.80			1	Z		
1975-12-09		D	62610		2875.47	NGVD29	1	S		
1975-12-09		D	62611		2877.05	NAVD88	1	S		
1975-12-09		D	72019	164.95			1	S		
1976-01-16		D	62610		2873.30	NGVD29	1	S		
1976-01-16		D	62611		2874.88	NAVD88	1	S		
1976-01-16		D	72019	167.12			1	S		
1977-01-14		D	62610		2875.37	NGVD29	1	S		
1977-01-14		D	62611		2876.95	NAVD88	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
1977-01-14		D	72019	165.05			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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: 2022-01-07 09:00:53 EST
0.37 0.34 nadww01

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National Water Information System: Web Interface

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

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320739103584201

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

USGS 320739103584201 25S.29E.15.31134

Eddy County, New Mexico
Latitude 32°07'39", Longitude 103°58'42" NAD27
Land-surface elevation 3,017 feet above NAVD88
The depth of the well is 192 feet below land surface.
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
1983-02-01		D	62610		2875.02	NGVD29	1	Z		
1983-02-01		D	62611		2876.60	NAVD88	1	Z		
1983-02-01		D	72019	140.40			1	Z		
1987-10-20		D	62610		2875.09	NGVD29	1	Z		
1987-10-20		D	62611		2876.67	NAVD88	1	Z		
1987-10-20		D	72019	140.33			1	Z		
1992-11-06		D	62610		2874.61	NGVD29	1	S		
1992-11-06		D	62611		2876.19	NAVD88	1	S		
1992-11-06		D	72019	140.81			1	S		
1998-01-29		D	62610		2874.52	NGVD29	1	S		
1998-01-29		D	62611		2876.10	NAVD88	1	S		
1998-01-29		D	72019	140.90			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320532104001701

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

USGS 320532104001701 25S.29E.32.21111

Eddy County, New Mexico
Latitude 32°05'32", Longitude 104°00'17" NAD27
Land-surface elevation 2,988 feet above NAVD88
The depth of the well is 128 feet below land surface.
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
1949-03-11		D	62610		2871.10	NGVD29	1	Z		
1949-03-11		D	62611		2872.66	NAVD88	1	Z		
1949-03-11		D	72019	115.34			1	Z		
1958-08-19		D	62610		2887.81	NGVD29	1	Z		
1958-08-19		D	62611		2889.37	NAVD88	1	Z		
1958-08-19		D	72019	98.63			1	Z		
1959-03-24		D	62610		2887.84	NGVD29	1	Z		
1959-03-24		D	62611		2889.40	NAVD88	1	Z		
1959-03-24		D	72019	98.60			1	Z		
1978-01-13		D	62610		2891.21	NGVD29	1	Z		
1978-01-13		D	62611		2892.77	NAVD88	1	Z		
1978-01-13		D	72019	95.23			1	Z		
1983-02-01		D	62610		2890.81	NGVD29	1	Z		
1983-02-01		D	62611		2892.37	NAVD88	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
1983-02-01		D	72019	95.63			1	Z		
1987-10-14		D	62610		2889.75	NGVD29	1	Z		
1987-10-14		D	62611		2891.31	NAVD88	1	Z		
1987-10-14		D	72019	96.69			1	Z		
1988-04-06		D	62610		2889.51	NGVD29	1	Z		
1988-04-06		D	62611		2891.07	NAVD88	1	Z		
1988-04-06		D	72019	96.93			1	Z		
1992-11-03		D	62610		2888.31	NGVD29	1	S		
1992-11-03		D	62611		2889.87	NAVD88	1	S		
1992-11-03		D	72019	98.13			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
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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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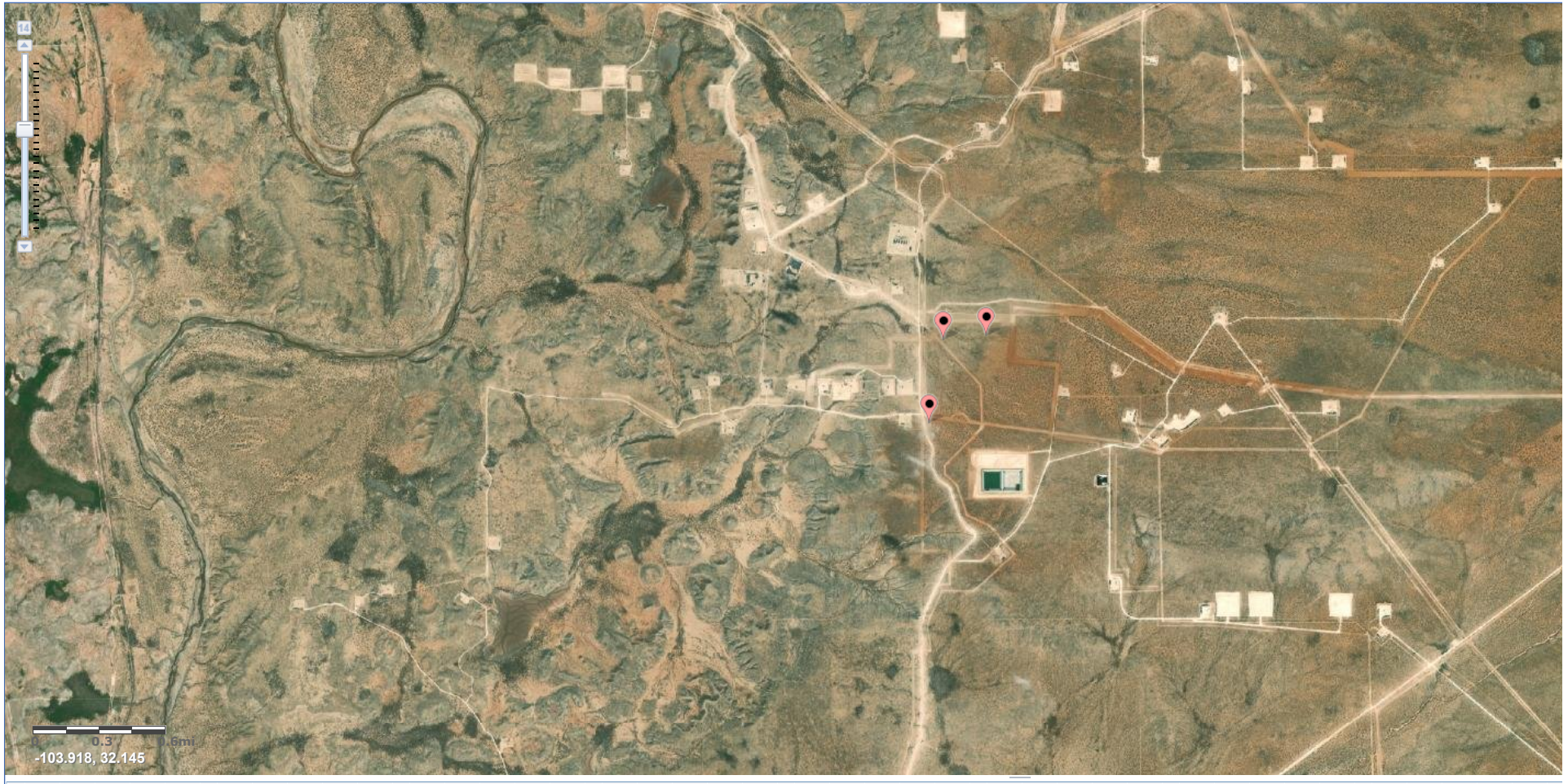
National Water Information System: Mapper



Site Information

New Mexico NFHL Data

January 7, 2022

1:9,028

0 0.075 0.15 0.3 mi

0 0.1 0.2 0.4 km

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

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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 89899

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 89899
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Going forward, please include a copy of the 2 business day notification of liner inspection in report.	3/16/2022