

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	NAPP2328340352
District RP	
Facility ID	fAPP2203934655
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Jacob Laird	Contact Telephone	(575) 703-5482
Contact email	Jacob.Laird@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2328340352
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.2241 Longitude -103.5120
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Sebastian Federal Com 002H	Site Type	Tank Battery
Date Release Discovered	September 28, 2023	API# (if applicable)	30-025-41666

Unit Letter	Section	Township	Range	County
C	18	24S	34E	Lea

Surface Owner: State Federal Tribal Private (Name: Quail Ranch, LLC)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 23.1	Volume Recovered (bbls) 20
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a valve malfunction. The release occurred within a falcon lined facility. A vacuum truck was dispatched to remove all freestanding fluids. The lined containment was power washed. A 48-hour advanced liner inspection notification was sent to the NMOCD District 1 office via email on October 5, 2023. The Liner was visually inspected by personnel with experience and training in pad operations and visual liner inspections on October 9, 2023. The liner was visually inspected and no rips, tears, holes, or damage was observed. The liner was determined to be in good condition (see attached photos).

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Brittany N. Esparza</u> Title: <u>Environmental Technician</u> Signature: <u></u> Date: <u>10/10/2023</u> email: <u>Brittany.Esparza@ConocoPhillips.com</u> Telephone: <u>(432) 221-0398</u>
<u>OCD Only</u> Received by: <u>Shelly Wells</u> Date: <u>10/11/2023</u>

Spill Calculation - On-Pad Surface Pool Spill

<i>Received by OCD: 10/10/2023 11:14:59 AM</i>											
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated Pool Area (sq. 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	35	35	0.5	1225.00	9.09	0.00	9.10		0.00	9.10	
Rectangle B	11	85	0.5	935.00	6.93	0.00	6.95		0.00	6.95	
Rectangle C	11	85	0.5	935.00	6.93	0.00	6.95		0.00	6.95	
Rectangle D	3	12	0.5	36.00	0.27	0.00	0.27		0.00	0.27	
Rectangle E	3	12	0.5	36.00	0.27	0.00	0.27		0.00	0.27	
Rectangle F	3	12	0.5	36.00	0.27	0.00	0.27		0.00	0.27	
Rectangle G	3	12	0.5	36.00	0.27	0.00	0.27		0.00	0.27	
Rectangle H	3	12	0.5	36.00	0.27	0.00	0.27		0.00	0.27	
Rectangle I				0.00	0.00	0.00	0.00		0.00	0.00	
Rectangle J				0.00	0.00	0.00	0.00		0.00	0.00	
<i>Released to Imaging: 10/11/2023 9:39:11 AM</i>							Total Volume Release, Soil not impacted:		23.1232	0.0000	23.1232

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District III
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 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 274120

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 274120
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	10/11/2023

Incident ID	NAPP2328340352
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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?	<u>51-100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-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

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Printed Name: Jacob Laird Title: Environmental Engineer

Signature: *Jacob Laird* Date: 10/13/2023

email: Jacob.Laird@conocophillips.com Telephone: 575-703-5482

OCD Only

Received by: Shelly Wells Date: 11/6/2023

Incident ID	NAPP2328340352
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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: Jacob Laird Title: Environmental Engineer
Signature: *Jacob Laird* Date: 10/13/2023
email: Jacob.Laird@conocophillips.com Telephone: 575-703-5482

OCD Only

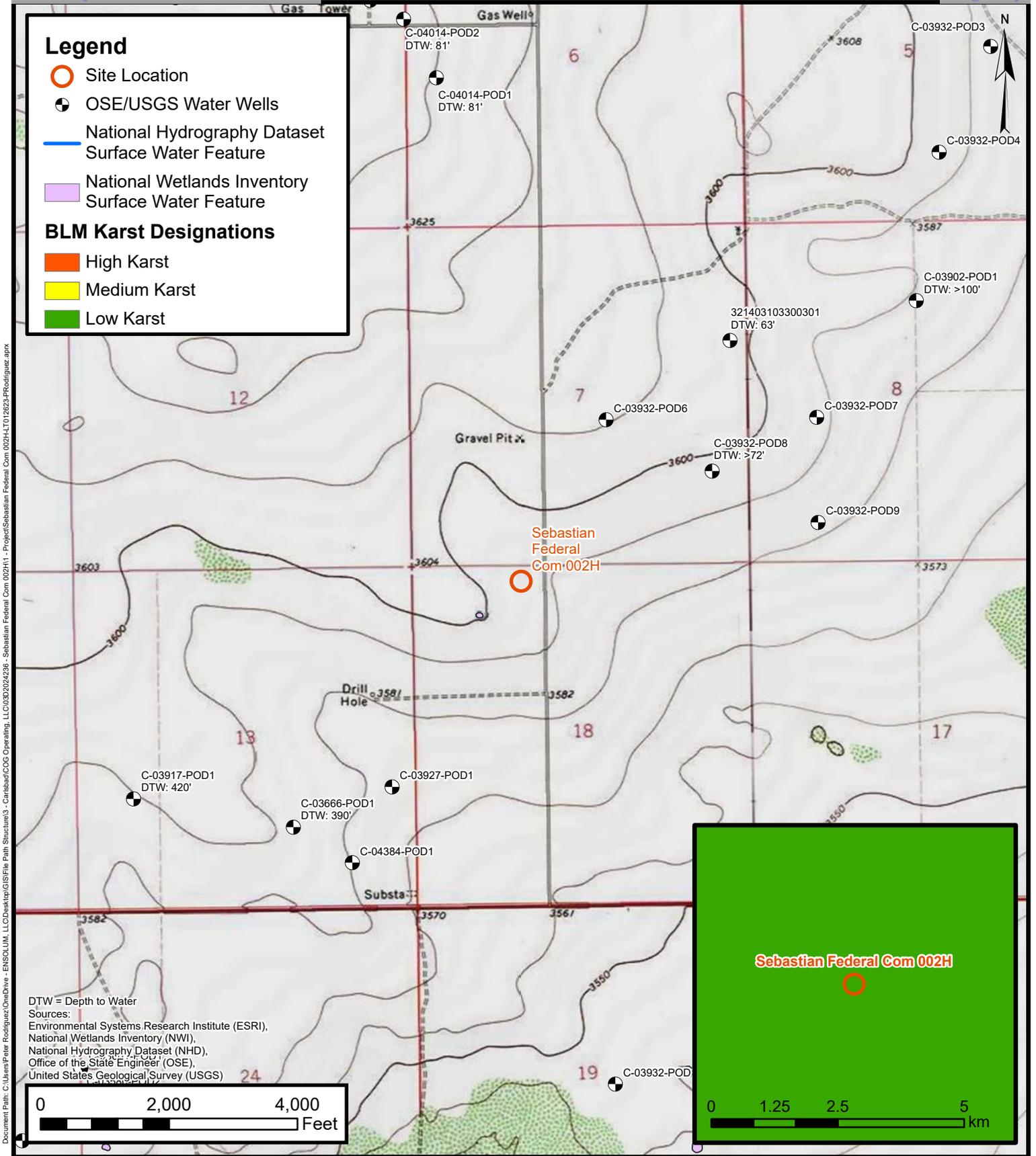
Received by: Shelly Wells Date: 11/6/2023

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

Closure Approved by: *Scott Rodgers* Date: 01/05/2024
Printed Name: Scott Rodgers Title: Environmental Specialist Adv.



FIGURES



Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\Map\Sebastian Federal Com 002H\11-012823-PRodriguez.aprx



Site Receptor Map

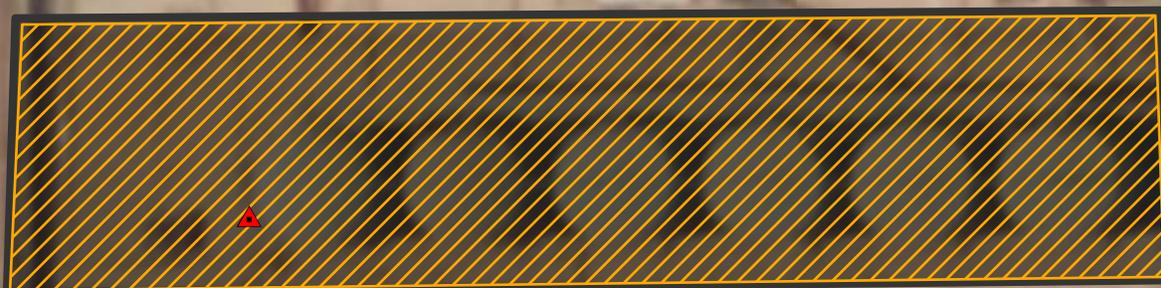
COG Operating, LLC
 Sebastian Federal Com 002H
 Incident Number: NAPP2328340352
 Unit C, Sec 18, T24S, R34E
 Lea County, New Mexico

FIGURE

1

Legend

-  Release Point
-  Release Extent
-  Containment Liner



Source:
Bing Maps



Site Location Map

COG Operating, LLC
 Sebastian Federal Com 002H
 Incident Number: NAPP2328340352
 Unit C, Sec 18, T24S, R34E
 Lea County, New Mexico

FIGURE
2

Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\GIS\File Path Structure3 - Carlsbad\COG Operating, LLC\0302024236 - Sebastian Federal Com 002H1 - Project\Sebastian Federal Com 002H.aprx



APPENDIX A

Referenced Well Records



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 03932 POD8	4	2	4	07	24S	34E	641120	3566769

Driller License: 1222	Driller Company: PETERSON DRILLING & TESTING INC.	
Driller Name: LEE PETERSON		
Drill Start Date: 02/08/2016	Drill Finish Date: 02/09/2016	Plug Date:
Log File Date: 03/01/2016	PCW Rev Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 72 feet	Depth Water:

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

10/13/23 2:13 PM

POINT OF DIVERSION SUMMARY



USGS Home
 Contact USGS
 Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico

Click to hide News 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 =

- 321403103300301

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

USGS 321403103300301 24S.34E.07.22222

Lea County, New Mexico
 Latitude 32°14'03", Longitude 103°30'03" NAD27
 Land-surface elevation 3,606 feet above NAVD88
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Ogallala Formation (121OGLL) 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
1970-12-08			D 62610		3532.13	NGVD29	P		Z	
1970-12-08			D 62611		3533.81	NAVD88	P		Z	
1970-12-08			D 72019	72.19			P		Z	
1976-01-16			D 62610		3518.48	NGVD29	1		Z	
1976-01-16			D 62611		3520.16	NAVD88	1		Z	
1976-01-16			D 72019	85.84			1		Z	
1981-03-19			D 62610		3521.37	NGVD29	1		Z	
1981-03-19			D 62611		3523.05	NAVD88	1		Z	
1981-03-19			D 72019	82.95			1		Z	
1986-03-06			D 62610		3525.01	NGVD29	1		Z	
1986-03-06			D 62611		3526.69	NAVD88	1		Z	
1986-03-06			D 72019	79.31			1		Z	
1991-05-30			D 62610		3529.76	NGVD29	1		Z	
1991-05-30			D 62611		3531.44	NAVD88	1		Z	
1991-05-30			D 72019	74.56			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
1996-03-13			D	62610		3540.20	NGVD29	1	S	
1996-03-13			D	62611		3541.88	NAVD88	1	S	
1996-03-13			D	72019	64.12			1	S	
2001-02-28			D	62610		3540.94	NGVD29	1	S	
2001-02-28			D	62611		3542.62	NAVD88	1	S	
2001-02-28			D	72019	63.38			1	S	
2006-02-07	15:40 UTC		m	62610		3541.32	NGVD29	1	S	USGS
2006-02-07	15:40 UTC		m	62611		3543.00	NAVD88	1	S	USGS
2006-02-07	15:40 UTC		m	72019	63.00			1	S	USGS

Explanation

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

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[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: 2023-10-11 17:08:40 EDT

0.28 0.24 nadww01



APPENDIX B

Photographic Log



APPENDIX C

NMOCD Notifications

From: [Wells, Shelly, EMNRD](#)
To: [Hadlie Green](#); [Velez, Nelson, EMNRD](#); [Bratcher, Michael, EMNRD](#)
Cc: [Laird, Jacob](#); [Esparza, Brittany](#); [Peter Van Patten](#)
Subject: RE: [EXTERNAL] COG - Containment Inspection - Sebastian Federal Com 2H / Spill Date 9-28-2023
Date: Thursday, October 5, 2023 10:35:39 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

[**EXTERNAL EMAIL**]

Good morning Hadlie,

The OCD has received your notification. Please also include the time in subsequent notifications. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Hadlie Green <hgreen@ensolum.com>
Sent: Thursday, October 5, 2023 8:22 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Esparza, Brittany <brittany.esparza@conocophillips.com>; Peter Van Patten <pvanpatten@ensolum.com>
Subject: [EXTERNAL] COG - Containment Inspection - Sebastian Federal Com 2H / Spill Date 9-28-2023

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To Whom It May Concern,

Below is an email notification for liner inspection at COG Operating, LLC (COG) Sebastian Federal Com 2H, Spill Date 9-28-2023. This is a notification that Ensolum is scheduled to inspect this lined containment on behalf of COG on Monday, October 9, 2023. Please call with any questions or concerns.

GPS: 32.2240, -103.5118

Thank you,



Hadlie Green

Project Geologist

432-557-8895

hgreen@ensolum.com

Ensolum, LLC



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CONDITIONS
 Action 283211

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 283211
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	1/5/2024