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## Closure Report

Spurck F State #5  
Eddy County, New Mexico  
API # 30-015-21598  
**Incident #nAPP2224139385**

## Prepared For:

EOG Resources Inc.  
104 S. 4<sup>th</sup> Street  
Artesia, NM 88210

## Prepared By:

Talon/LPE  
408 W. Texas Avenue  
Artesia, New Mexico 88210

**December 22, 2023**



**NMOCD**  
**506 W. Texas**  
**Artesia, NM 88210**

**Subject:** Closure Report  
Spurck F State #5  
Eddy County, New Mexico  
API # 30-015-21598  
Incident #nAPP2224139385

To whom it may concern,

EOG Resources contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request are presented herein.

### **Site Information**

The Spurck F State #5 is located approximately thirteen (13) miles east of Artesia, New Mexico. The legal location for this release is Unit Letter L, Section 16, Township 17 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.83237, -104.18724. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Pajarito-Dune complex, with 0 to 3 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of eolian and alluvial deposits, middle to lower Pleistocene in age. Drainage courses in this area are typically well drained.

### **Ground Water and Site Characterization**

Talon drilled a temporary well to a depth of 55 feet bgs on location to conclusively determine the presence or absence of groundwater at that depth. The temporary well can be referenced by RA-13378 POD 1. Talon personnel returned 72 hours later with an oil-water interface probe to verify the presence/absence of groundwater. Groundwater was not encountered at 55 feet bgs. See [Appendix VI](#) for the boring log. The FEMA Flood Map Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management. Karst data indicates that this site is situated within a medium potential Karst area. See [Appendix II](#) for the site characterization data.

<b>Site Characterization</b>	
What is the shallowest depth to groundwater beneath the area affected by the release? (ft bgs)	>55ft
What method was used to determine the depth to ground water? (Estimate/Temp. Well/POD)	RA-13378 POD 1
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse. (mi)	7.8 mi
Distance from any lakebed, sinkhole, or playa lake. (mi)	0.9 mi
Distance from an occupied permanent residence, school, hospital, institution, or church. (mi)	5.7 mi
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. (mi)	1.2 mi
Distance from any fresh water well or spring. (mi)	0.0 mi
Distance from incorporated municipal boundaries or a defined municipal fresh water field. (mi)	9.7 mi
Distance from a wetland. (mi)	0.9 mi
Distance from a subsurface mine. (mi)	17.0 mi
Distance from (non-karst) unstable area. (mi)	8.0 mi
Categorize the risk of this well/site being in a karst geology.	Medium
Distance from a 100-year floodplain. (mi)	0.8 mi
Did the release impact areas not on an exploration, development, production, or storage site?	No

### Ground Water and Site Characterization (Continued)

Per NMAC 19.15.29.13.D the clean-up criteria for the upper four (4) feet will follow the reclamation standard as seen below. With verified depth to groundwater exceeding 55 feet bgs, excavation greater than four (4) feet will follow the standard for depth to water of 51 feet or greater as seen below in table 1.

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet Reclamation	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	150 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
≥ 51 feet ≤ 100 feet	<u>Total Chlorides</u>	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	<u>TPH</u> <u>(GRO+DRO+MRO)</u>	EPA SW-846 Method 8015M	2,500 mg/kg
	<u>BTEX</u>	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	<u>Benzene</u>	EPA SW-846 Method 8021B or 8260B	10 mg/kg

### Incident Description

During routine site clean-up activities and decommissioning of the facility, EOG personnel noted historical staining in the containment area as can be seen in photos ([Appendix IV](#)). EOG contracted Talon LPE to assess the area of impact. Due to the size of the area and footprint of impact, this was deemed to be a reportable incident, therefore a C-141 spill notification was submitted to the NMOCD ([Appendix III](#)). The NMOCD assigned this incident number nAPP2224139385. The site map is presented in ([Appendix I](#)).

### Site Assessment Activities

On August 09, 2022, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble GEO XH 6000, photographed, and sampled utilizing a hand auger. Due to the soil characterization for the area, auger refusal was encountered at sample positions S-1 and S-2.

On August 31, 2022, Talon personnel and equipment mobilized to site in order to determine the vertical extent of impact in the area of S-1 and S-2. A Geoprobe was utilized and advanced vertically to 15 feet bgs, where it encountered rock refusal.



### Site Assessment Activities (Continued)

On September 09, 2022, upon client authorization Talon personnel and equipment mobilized to site. An excavator was utilized to advance a test trench through the rock subsurface to a depth of 25 feet bgs, from S-1 to S-2 in order to confirm the vertical extent of impact. All soil samples were properly packaged, preserved, and transported to Cardinal laboratories via chain of custody for analysis of Total Chlorides (SM4500Cl-B), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached Figure 2 ([Appendix I](#)). The results of the sampling event are presented in the following data table.

**Table I**  
*Assessment Laboratory Results*

Sample ID	Sample Date	Depth ft. (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
<b>S-1</b>	8/9/22	0-1'R	ND	ND	ND	182	175	357	608
<b>S-1A-Rock</b>	8/31/22	15'R	ND	ND	ND	ND	ND	-	2880
<b>TT-1</b>	9/9/22	25'	ND	ND	ND	ND	ND	-	576
<b>S-2</b>	8/9/22	0-1'R	ND	ND	ND	217	314	531	48
<b>S-3</b>	8/9/22	0'	ND	ND	ND	ND	ND	ND	32
<b>S-4</b>	8/9/22	0'	ND	ND	ND	ND	ND	ND	64
<b>S-5</b>	8/9/22	0'	ND	ND	ND	ND	ND	ND	48
<b>S-6</b>	8/9/22	0'	ND	ND	ND	ND	ND	ND	48

TT=Test Trench R=Rock Refusal ND=Analyte Not Detected

See [Appendix V](#) for the complete report of laboratory results.

### Remedial Actions

On September 1, 2022, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and equipment were mobilized to the site to commence the excavation of the impacted area to NMOCD Table 1 standards. Field titration data of total chlorides was used to guide the excavation depth and sidewalls. Sidewall samples were collected in order to confirm horizontal extent of the impact. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. Laboratory analytic results of the sidewall samples are presented in Table II. Sample locations are illustrated on Figure 3 ([Appendix I](#)).

## Remdial Actions (Continued)

**Table II**  
*Sidewall Laboratory Results*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
<b>N.SW-1</b>	9/1/2022	4'	ND	ND	ND	ND	ND	-	48
<b>W.SW-1</b>	9/1/2022	4'	ND	ND	ND	ND	ND	-	32
<b>S.SW-1</b>	9/1/2022	4'	ND	ND	ND	ND	ND	-	32
<b>E.SW-1</b>	9/1/2022	4'	ND	ND	ND	ND	ND	-	48
<b>ND = Analyte Not Detected SW = Sidewall Sample</b>									

See [Appendix V](#) for the complete report of laboratory results.

On September 09, 2022, Talon personnel completed excavation of the impacted area to a depth of four and half (4.5) feet bgs. Five-point composite confirmation samples were collected on a 200 square foot basis. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The confirmation sampling results are tabulated below in Table III. Sample locations are illustrated on Figure 3 ([Appendix I](#)).

**Table III**  
*Confirmation Laboratory Results*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO combined = 1,000 mg/kg</b>			<b>2,500 mg/kg</b>	<b>10,000 mg/kg</b>
<b>S-1A</b>	9/9/2022	4.5'	ND	ND	ND	ND	ND	-	768
<b>S-2A</b>	9/9/2022	4.5'	ND	ND	ND	ND	ND	-	800
<b>S-7A</b>	9/9/2022	4.5'	ND	ND	ND	ND	ND	-	528
<b>S-8A</b>	9/9/2022	4.5'	ND	ND	ND	ND	ND	-	720
<b>ND = Analyte Not Detected</b>									

See [Appendix V](#) for the complete report of laboratory results.

On December 19, 2023, Talon LPE mobilized a reichdrill air rotary with a six (6) inch PDC bit to install a temporary well bore for DTW determination on location.

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### Remdial Actions (Continued)

On December 22, 2023, Talon personnel were mobilized 72 hours after well installation to gauge the temporary well. The gauging event established depth to water greater than 55 feet bgs as no ground water was encountered.

### Remedial Action Summary

- The impacted area in the vicinity of sample positions S-1 and S-2 were trenched to depths of 25 feet bgs in order to achieve vertical delineation and confirm that no contamination permeated through the rock layer. The impacted area was excavated to depths of four and a half (4.5) feet bgs, in accordance with 19.15.29 NMAC Paragraph II. Composite samples were taken at S-1A, S-2A, S-7A, and S-8A in order to confirm Total Chloride levels left in place. Field titration data was utilized in order to guide the excavation process.
- Samples positions S3 through S6 were taken in order to confirm that the contamination was confined to the containment area.
- A temporary well was installed on site for depth to water determination. The boring log is located in (Appendix VI).
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with clean topsoil, reseeded, and restored to grade in accordance with NMOCD and NMSLO (New Mexico State Land Office) guidelines.

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### Closure

Based on this site characterization, remedial actions completed, and analytical results, we request that no further actions be required and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE



Matthew Gomez  
Environmental Project Manager



Chad Hensley  
Senior Environmental Project Manager

Attachments:

- Appendix I Site Maps
- Appendix II Groundwater Data, Soil Survey, FEMA Flood Map
- Appendix III C-141 Forms, Correspondence
- Appendix IV Photographic Documentation
- Appendix V Laboratory Reports
- Appendix VI Boring log



## Appendix I

### Site Maps





EOG Resources  
Spurck F State #005  
Eddy County, New Mexico  
Figure 1 - Site Assessment Map

Drafted: 9/21/2022  
1 in = 30 ft  
Drafted By: JAI



Image Source: Google Earth



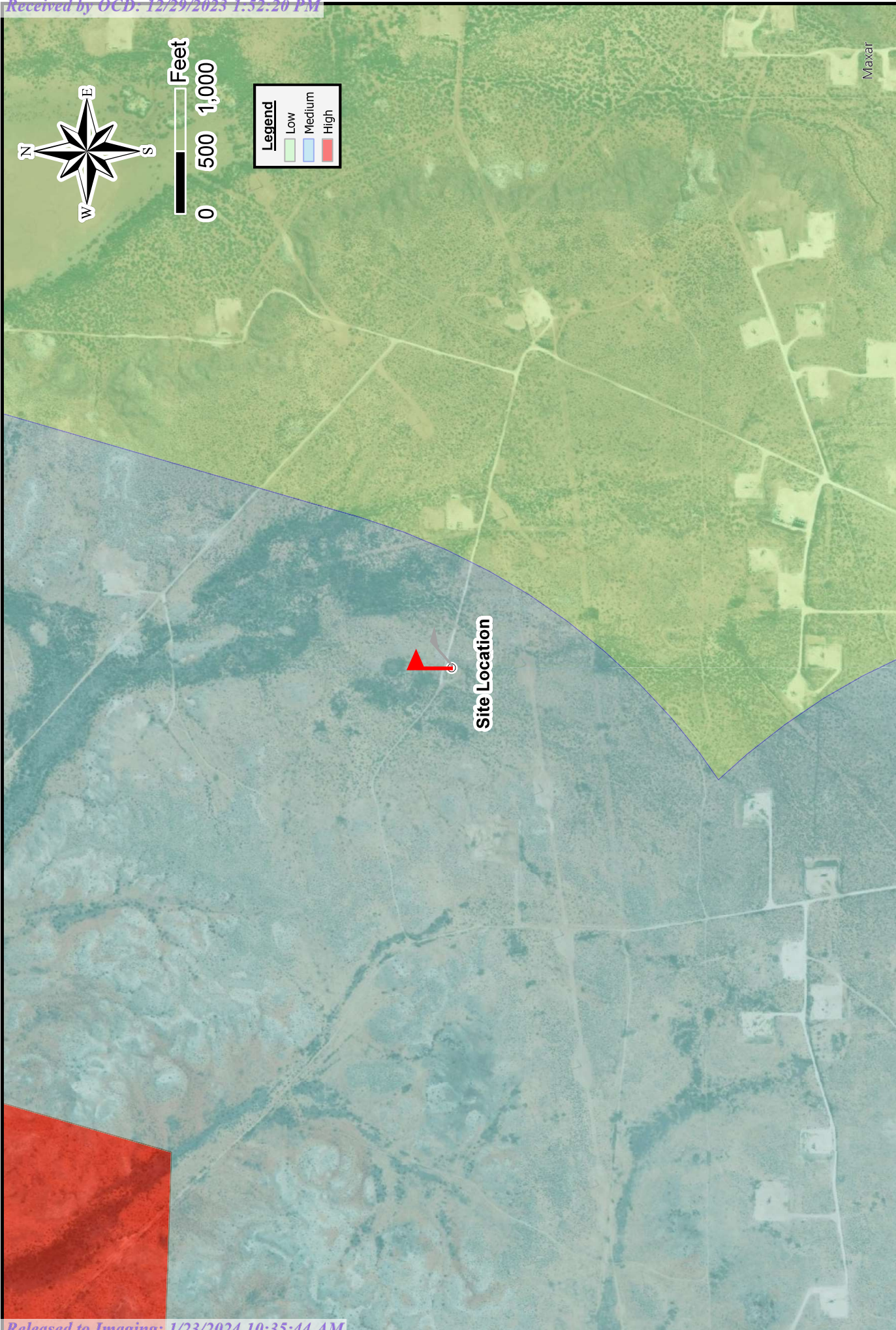


EOG Resources  
Spurck F State #005  
Eddy County, New Mexico  
Figure 2 - Confirmation Sample Map

Drafted: 9/26/2022  
1 in = 36 ft  
Drafted By: IJR





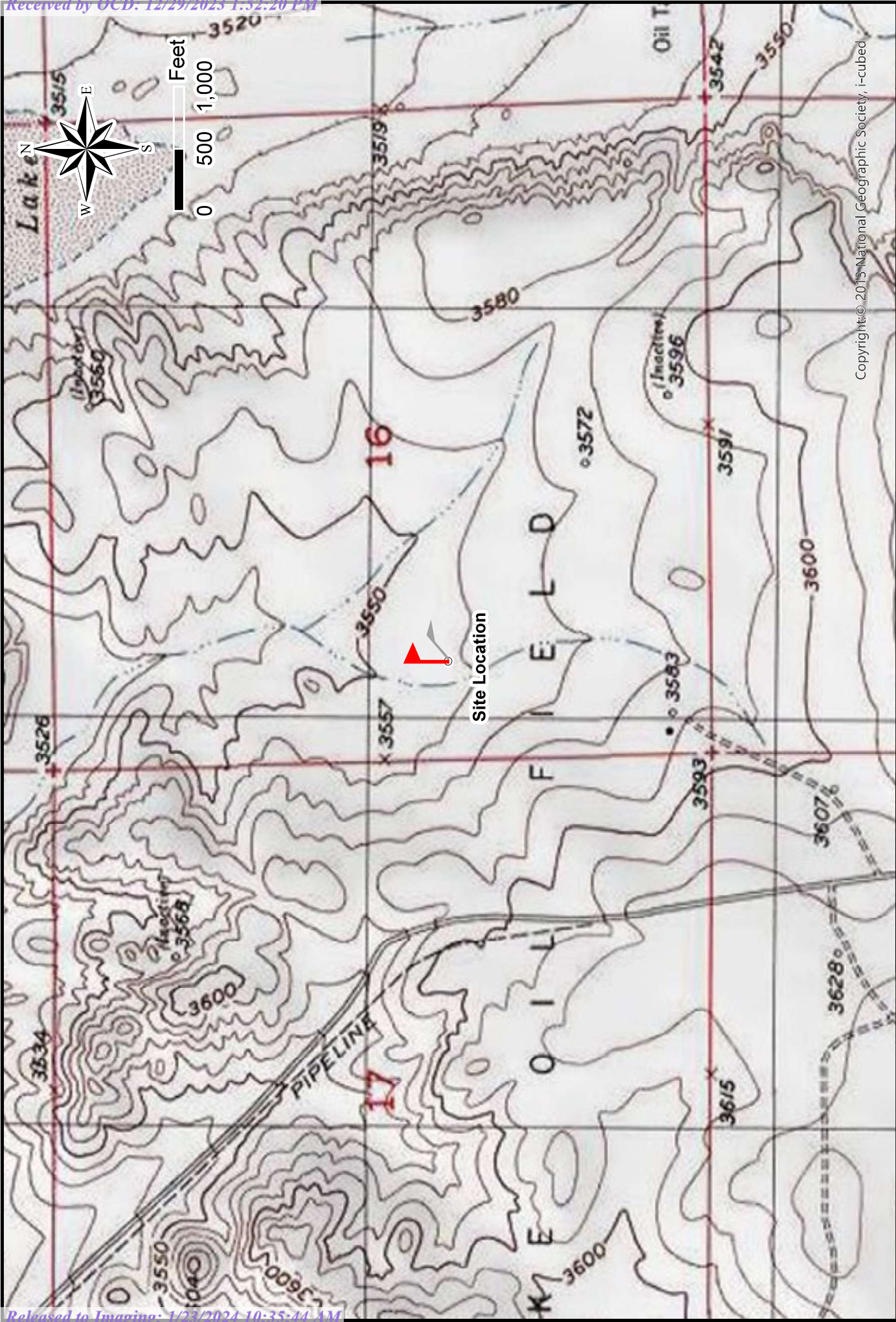


EOG Resources  
Spurck F State #005  
Eddy County, New Mexico  
Figure 3 - Karst Map

Drafted: 9/21/2022  
1 in = 1,000 ft  
Drafted By: JAI







EOG Resources  
Spurck F State #005  
Eddy County, New Mexico  
Figure 4 - Topographic Map

Drafted: 9/21/2022  
1 in = 1,000 ft  
Drafted By: JAI





## Appendix II

Groundwater Data, Soil Survey, FEMA Flood Map



New Mexico Office of the State Engineer

Water Right Summary



WR File Number: RA 13378Subbasin: RACross Reference: -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres:Subfile: -Header: -

Total Diversion: 0Cause/Case: -

Owner: EOG RESOURCES

Contact: JEREMY HAASS


Owner: TALON/LPE, LTD.

Contact: CHAD HENSLEY

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
	<a href="#">751261</a>	<a href="#">EXPL 2023-09-21</a>	PMT	APR	RA-13378 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)											
POD Number	Well Tag	Source	Q					X	Y	Other Location Desc	
			64	Q16	Q4	Sec	Tws				Rng
<a href="#">RA 13378 POD1</a>	NA		4	1	3	16	17S	28E	576090	3632985	

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.



# Custom Soil Resource Report Soil Map



## Custom Soil Resource Report

**Eddy Area, New Mexico****PD—Pajarito-Dune land complex, 0 to 3 percent slopes****Map Unit Setting**

*National map unit symbol:* 1w55  
*Elevation:* 3,000 to 5,000 feet  
*Mean annual precipitation:* 10 to 15 inches  
*Mean annual air temperature:* 60 to 64 degrees F  
*Frost-free period:* 190 to 220 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Pajarito and similar soils:* 46 percent  
*Dune land:* 45 percent  
*Minor components:* 9 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Pajarito****Setting**

*Landform:* Plains, interdunes, dunes  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear, convex  
*Parent material:* Mixed alluvium and/or eolian sands

**Typical profile**

*H1 - 0 to 9 inches:* fine sandy loam  
*H2 - 9 to 36 inches:* fine sandy loam  
*H3 - 36 to 72 inches:* fine sandy loam

**Properties and qualities**

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Moderate (about 8.4 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 2e  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* A  
*Ecological site:* R042XC003NM - Loamy Sand  
*Hydric soil rating:* No

## Custom Soil Resource Report

### Description of Dune Land

#### Setting

*Landform:* Dune fields

*Landform position (two-dimensional):* Shoulder, backslope, footslope

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Convex, linear

*Across-slope shape:* Convex, linear

*Parent material:* Mixed alluvium and/or eolian sands

#### Typical profile

*H1 - 0 to 6 inches:* sandy loam

*H2 - 6 to 60 inches:* sandy loam

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Ecological site:* R042XC003NM - Loamy Sand

*Hydric soil rating:* No

### Minor Components

#### Rock outcrop

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### Largo

*Percent of map unit:* 4 percent

*Ecological site:* R042XC007NM - Loamy

*Hydric soil rating:* No



# National Flood Hazard Layer FIRMette



Received by OCD: 12/29/2023 1:52:20 PM

30°11'32"W 32°50'12"N

Released to Imaging: 1/23/2024 10:35:44 AM



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**  
Without Base Flood Elevation (BFE)  
Zone A, V, AE, AO, AH, VE, AF  
With BFE or Depth  
Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**  
0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile  
Future Conditions 1% Annual Chance Flood Hazard  
Area with Reduced Flood Risk due to Levee. See Notes. Zone X  
Area with Flood Risk due to Levee Zone X

**OTHER AREAS**  
NO SCREEN  
Area of Minimal Flood Hazard  
Effective LOMRs  
Area of Undetermined Flood Hazard  
**GENERAL STRUCTURES**  
Channel, Culvert, or Storm Sewer  
Levee, Dike, or Floodwall

**Cross Sections with 1% Annual Chance Water Surface Elevation**  
Coastal Transect  
Base Flood Elevation Line (BFE)  
Limit of Study  
Jurisdiction Boundary  
Coastal Transect Baseline  
Profile Baseline  
Hydrographic Feature

**MAP PANELS**  
Digital Data Available  
No Digital Data Available  
Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/22/2022 at 2:17 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



## Appendix III

### C-141 Forms, Correspondence

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	nAPP2224139385
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	EOG Resources, Inc.	OGRID	7377
Contact Name	Jeremy Haass	Contact Telephone	575-748-1471
Contact email	Jeremy_Haass@eogresources.com	Incident #	nAPP2224139385
Contact mailing address	104 S. 4th Street, Artesia, NM 88210		

### Location of Release Source

Latitude 32.83237 Longitude -104.18724  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Spurck F State #5	Site Type	Wellpad
Date Release Discovered	8/25/2022	API#	30-015-21598

Unit Letter	Section	Township	Range	County
L	16	17S	28E	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)

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

#### Cause of Release

Historical impacts were discovered during the decommissioning process of the location. The environmental consultant contracted to investigate the area determined on 8/25/2022, based on the impacted area footprint, that the release more than likely breached the reportable volume threshold.



Incident ID	NAPP2224139385
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input 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>Jeremy Haass</u>	Title: <u>Sr. Safety &amp; Environmental Specialist</u>
Signature: <u></u>	Date: <u>8/25/2022</u>
email: <u>jeremy_haass@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>08/29/2022</u>

Incident ID	nAPP2224139385
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?	92 (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 <b>not</b> 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 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.

Incident ID	nAPP2224139385
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: Jeremy Haass Title: Senior Safety and Environmental Specialist  
Signature: \_\_\_\_\_ Date: 09/15/2022  
email: Jeremy\_haass@eogresources.com Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2224139385
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 OCD 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: Jeremy Haass Title: Senior Safety and Environmental Specialist  
Signature: \_\_\_\_\_ Date: 09/15/2022  
email: Jeremy\_haass@eogresources.com 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: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



**From:** [Rebecca Pons](#)  
**To:** ["Jeremy Haass"](#)  
**Cc:** [James Carnes](#)  
**Subject:** RE: Spurck Sampling Notification nAPP2224139385  
**Date:** Monday, August 29, 2022 11:30:00 AM  
**Attachments:** [image002.png](#)  
[image003.png](#)  
**Importance:** High

---

Jeremy,

Can you please provide the NMOCd with confirmation sampling notification (we are ready).  
Wednesday 08/31/22 at 1:00PM . Also, I am happy to provide the notice if you prefer. Please advise me.

Thank you,

*Rebecca Pons*

**Rebecca Pons**  
**Senior Environmental Project Manager**

Office: 575.746.8768 x708

Direct: 575.616.4023

Cell: 575.441.0980

Fax: 575.746.8905

Emergency: 866.742.0742

Web: [www.talonlpe.com](http://www.talonlpe.com)



---

**From:** Jeremy Haass <Jeremy\_Haass@eogresources.com>

**Sent:** Monday, August 29, 2022 11:04 AM

**To:** Rebecca Pons <rpons@talonlpe.com>

**Subject:** FW: Spurck D State 5 (Initial C-141)

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

FYI

**Jeremy Haass**

**Safety & Environmental Specialist**

**EOG Resources – Artesia Division**

**104 S. 4<sup>th</sup> Street**

**Artesia, NM 88210**

**Office: (575) 748-4311**

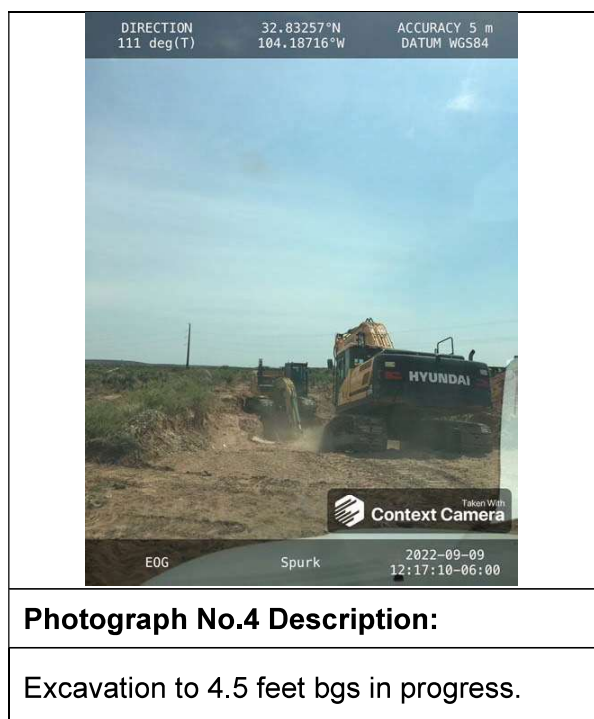
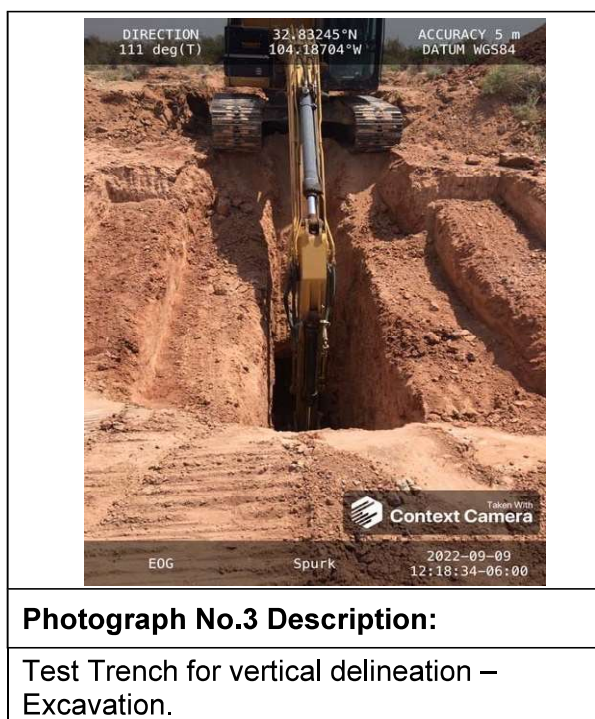
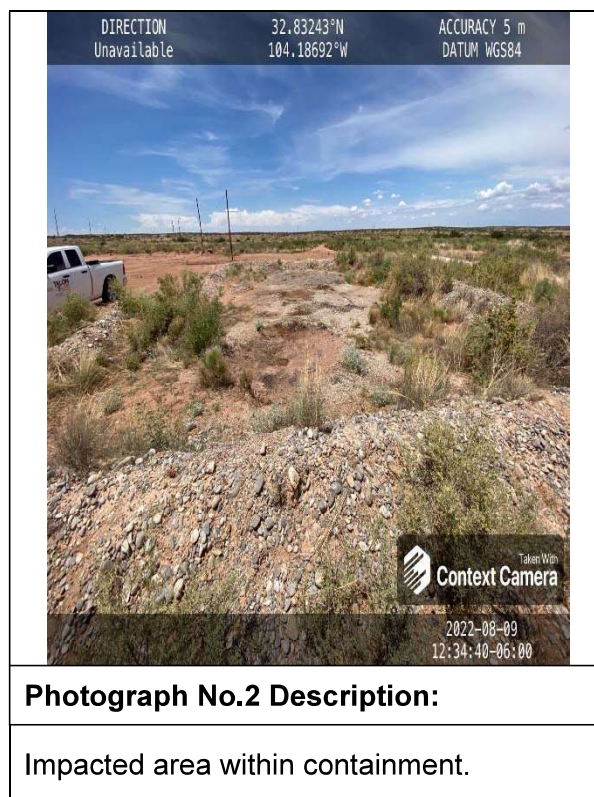
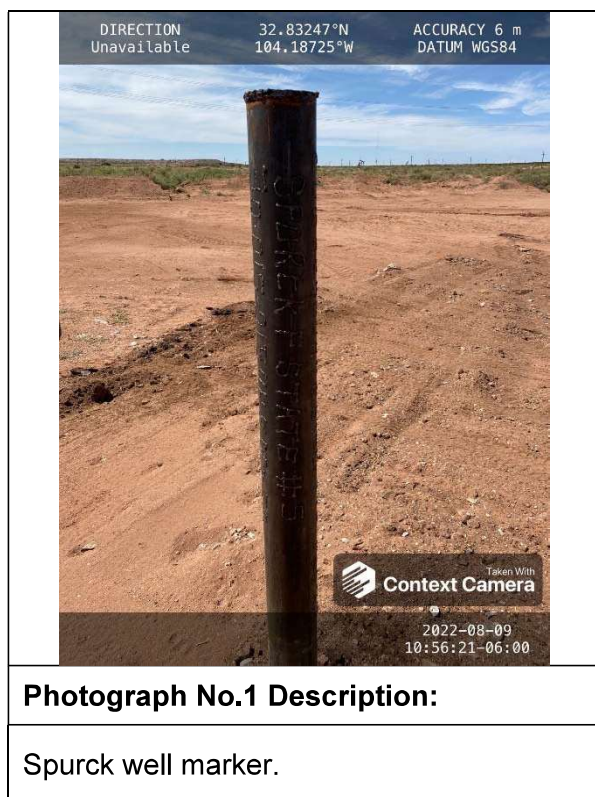


## **Appendix IV**

### **Photographic Documentation**

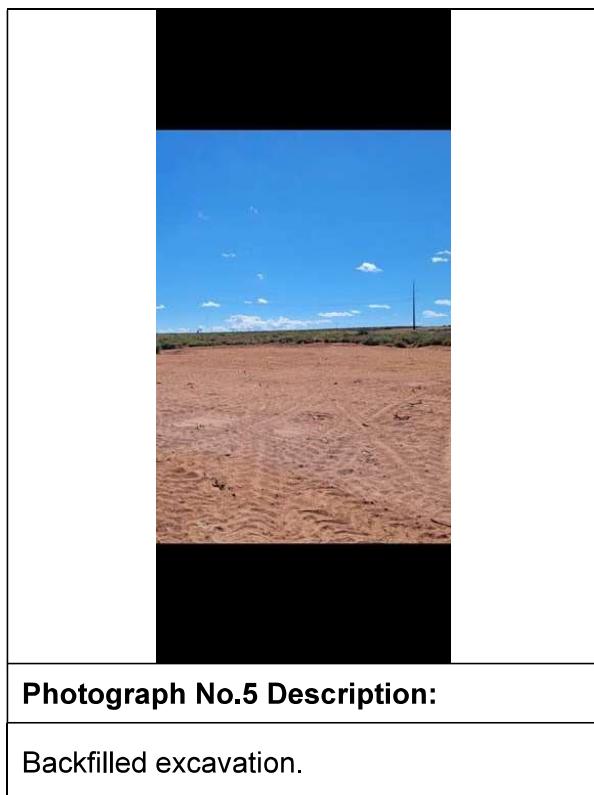


Spurck F State #5  
Eddy County, NM





Spurck F State #5  
Eddy County, NM



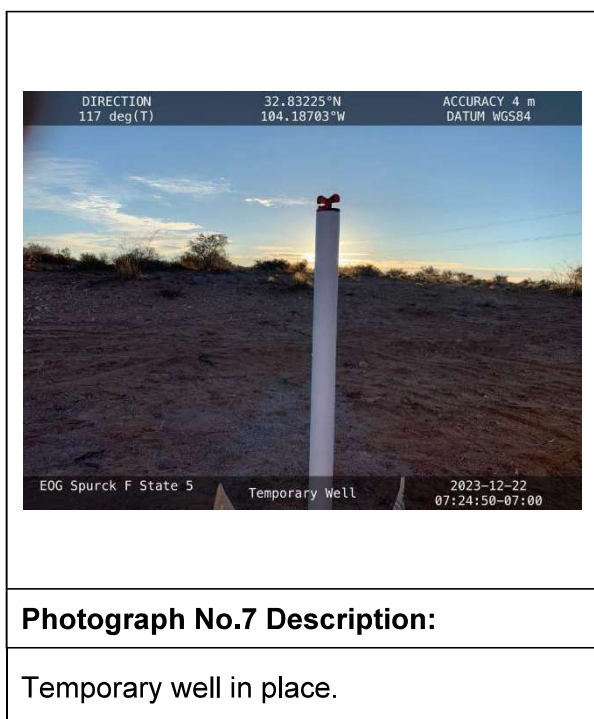
**Photograph No.5 Description:**

Backfilled excavation.



**Photograph No.6 Description:**

Drilling of temporary well.



**Photograph No.7 Description:**

Temporary well in place.



**Photograph No.8 Description:**

Interface probe down well without encountering water.



## **Appendix V**

### Laboratory Reports





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

August 16, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SPURCK F STATE 5

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 11:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 08/10/2022  
 Reported: 08/16/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 08/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 1 0-1' R (H223606-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	0.174	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTX	<0.300	0.300	08/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	08/12/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	206	103	200	4.39	
DRO >C10-C28*	182	10.0	08/12/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	175	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 08/10/2022  
 Reported: 08/16/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 08/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 2 0-1' R (H223606-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26		
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13		
Total BTEx	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PI) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/12/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	206	103	200	4.39	
DRO >C10-C28*	217	10.0	08/12/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	314	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 126 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 08/10/2022  
 Reported: 08/16/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 08/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 3 0 (H223606-03)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26		
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13		
Total BTX	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PI) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 08/10/2022  
 Reported: 08/16/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 08/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 4 0 (H223606-04)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26		
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13		
Total BTX	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PI) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/12/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 43-149

Surrogate: 1-Chlorooctadecane 92.8 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 08/10/2022  
 Reported: 08/16/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 08/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 5 0 (H223606-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEx	<0.300	0.300	08/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PI) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/12/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 43-149

Surrogate: 1-Chlorooctadecane 92.5 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 08/10/2022  
 Reported: 08/16/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 08/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 6 0 (H223606-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26		
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13		
Total BTX	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PI) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/12/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 43-149

Surrogate: 1-Chlorooctadecane 94.2 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL**  
Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

August 31, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SPURCK F STATE 5

Enclosed are the results of analyses for samples received by the laboratory on 08/26/22 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly legible.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 08/26/2022  
 Reported: 08/31/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 08/25/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 A ROCK (H223947-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2022	ND	1.95	97.7	2.00	4.64	
Toluene*	<0.050	0.050	08/30/2022	ND	2.12	106	2.00	3.30	
Ethylbenzene*	<0.050	0.050	08/30/2022	ND	2.08	104	2.00	1.85	
Total Xylenes*	<0.150	0.150	08/30/2022	ND	6.45	107	6.00	1.88	
Total BTX	<0.300	0.300	08/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	08/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2022	ND	191	95.3	200	3.83	
DRO >C10-C28*	<10.0	10.0	08/30/2022	ND	175	87.4	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/30/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.2 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: Talon LPE

P.O. #:

Project Manager:

Company:

Address: 408 W. Texas Ave

Attn:

City: Artesia

Address:

State: NM zip: 88210

City:

Phone #: 575.746.8768

State:

Fax #:

Zip:

Project #:

Project Owner:

Project Name: SPECK

Phone #:

Project Location: EDO1

Fax #:

Sampler Name: M. Gentry

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H223947

(G)RAB OR (C)OMP.

5.1A Rock

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER : Rock

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September 12, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SPURCK F STATE 5

Enclosed are the results of analyses for samples received by the laboratory on 09/07/22 10:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 09/07/2022  
 Reported: 09/12/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 09/01/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: N. SW - 1 4' (H224102-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2022	ND	2.06	103	2.00	2.64	
Toluene*	<0.050	0.050	09/09/2022	ND	2.02	101	2.00	2.50	
Ethylbenzene*	<0.050	0.050	09/09/2022	ND	1.98	98.8	2.00	3.23	
Total Xylenes*	<0.150	0.150	09/09/2022	ND	6.09	102	6.00	3.29	
Total BTEx	<0.300	0.300	09/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/08/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	208	104	200	2.67	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	0.603	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.4 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 09/07/2022  
 Reported: 09/12/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 09/01/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: E. SW - 1 4' (H224102-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2022	ND	2.06	103	2.00	2.64		
Toluene*	<0.050	0.050	09/09/2022	ND	2.02	101	2.00	2.50		
Ethylbenzene*	<0.050	0.050	09/09/2022	ND	1.98	98.8	2.00	3.23		
Total Xylenes*	<0.150	0.150	09/09/2022	ND	6.09	102	6.00	3.29		
Total BTX	<0.300	0.300	09/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PI) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/08/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	208	104	200	2.67	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	0.603	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.3 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 09/07/2022  
 Reported: 09/12/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 09/01/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: W. SW - 1 4' (H224102-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2022	ND	2.06	103	2.00	2.64	
Toluene*	<0.050	0.050	09/09/2022	ND	2.02	101	2.00	2.50	
Ethylbenzene*	<0.050	0.050	09/09/2022	ND	1.98	98.8	2.00	3.23	
Total Xylenes*	<0.150	0.150	09/09/2022	ND	6.09	102	6.00	3.29	
Total BTEx	<0.300	0.300	09/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PI) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/08/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	208	104	200	2.67	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	0.603	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.7 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 09/07/2022  
 Reported: 09/12/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 09/01/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S. SW - 1 4' (H224102-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/09/2022	ND	2.06	103	2.00	2.64		
Toluene*	<0.050	0.050	09/09/2022	ND	2.02	101	2.00	2.50		
Ethylbenzene*	<0.050	0.050	09/09/2022	ND	1.98	98.8	2.00	3.23		
Total Xylenes*	<0.150	0.150	09/09/2022	ND	6.09	102	6.00	3.29		
Total BTEx	<0.300	0.300	09/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PI) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/08/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	208	104	200	2.67	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	0.603	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





---

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





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---

September 15, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SPURCK F STATE 5

Enclosed are the results of analyses for samples received by the laboratory on 09/14/22 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 09/14/2022  
 Reported: 09/15/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 09/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TT1 25' (H224242-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2022	ND	1.93	96.7	2.00	2.54		
Toluene*	<0.050	0.050	09/15/2022	ND	2.27	113	2.00	0.991		
Ethylbenzene*	<0.050	0.050	09/15/2022	ND	2.24	112	2.00	0.687		
Total Xylenes*	<0.150	0.150	09/15/2022	ND	6.92	115	6.00	1.24		
Total BTX	<0.300	0.300	09/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 98.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	09/15/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	185	92.4	200	1.03	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	186	93.1	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





---

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---

### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

September 21, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SPURCK F STATE 5

Enclosed are the results of analyses for samples received by the laboratory on 09/19/22 13:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 09/19/2022  
 Reported: 09/21/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 09/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 1 A 4.5' (H224316-01)**

BTX 8021B		mg/ kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02		
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740		
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370		
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170		
Total BTX	<0.300	0.300	09/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	09/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73	
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	200	99.9	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 09/19/2022  
 Reported: 09/21/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 09/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 2 A 4.5' (H224316-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02		
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740		
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370		
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170		
Total BTEx	<0.300	0.300	09/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PI) 96.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	09/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73	
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	200	99.9	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 83.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 09/19/2022  
 Reported: 09/21/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 09/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 7 A 4.5' (H224316-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02		
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740		
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370		
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170		
Total BTEx	<0.300	0.300	09/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PI) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	09/20/2022	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73	
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	200	99.9	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 09/19/2022  
 Reported: 09/21/2022  
 Project Name: SPURCK F STATE 5  
 Project Number: 700438.301.01  
 Project Location: EOG - EDDY CO NM

Sampling Date: 09/09/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 8 A 4.5' (H224316-04)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2022	ND	2.07	103	2.00	1.02		
Toluene*	<0.050	0.050	09/20/2022	ND	2.00	100	2.00	0.740		
Ethylbenzene*	<0.050	0.050	09/20/2022	ND	1.92	95.8	2.00	0.370		
Total Xylenes*	<0.150	0.150	09/20/2022	ND	5.87	97.9	6.00	0.170		
Total BTX	<0.300	0.300	09/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PI) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/20/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	190	95.1	200	4.73	
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	200	99.9	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.1 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

---

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon LPE		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager:		P.O. #:			
Address: 408 W. Texas Ave		Company:			
City: Artesia		Attn:			
State: NM Zip: 88210		Address:			
Phone #: 575.746.8768		City:			
Fax #:		State:			
Project #: 70438.30101		Zip:			
Project Name: Square 515		Phone #:			
Project Location: EDDY		Fax #:			
Sampler Name: A. Parker					

FOR LAB USE ONLY		MATRIX		PRESERV.	SAMPLING
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER
				SOIL	
				OIL	
				SLUDGE	
				OTHER :	
		ACID/BASE:	ICE / COOL	OTHER :	
		DATE	TIME		

Delivered By: (Circle One) <u>2002C-0.00</u> Sampler - UPS - Bus - Other: <u>1.40 #113</u>	Sample Condition <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <u>202</u> (Initials)	REMARKS: <u>2 Day Rush</u>
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## Appendix VI

### Boring Log

## SOIL BORING / MONITORING WELL LOG

PROJECT: <u>Spurck F State 5</u>	DRILLING COMPANY: <u>Talon/LPE</u>
PROJECT NUMBER: <u>700438.301.01</u>	DRILLER: <u>Zech Moody</u>
CLIENT: <u>EOG Resources</u>	DRILLING METHOD: <u>Air Rotary</u>
BORING / WELL NUMBER: <u>Temp. Well</u>	BORE HOLE DIAMETER: <u>6"</u>
TOTAL DEPTH: <u>55'</u>	SCREEN: Diam. <u>    </u> Length <u>    </u> Slot Size <u>    </u>
SURFACE ELEVATION: <u>    </u>	CASING: Diam. <u>    </u> Length <u>    </u> Type <u>    </u>
GEOLOGIST: <u>Matthew Gomez</u>	DATE DRILLED: <u>    </u>
LATITUDE: <u>32.8305454</u>	LONGITUDE: <u>-104.1789930</u>

PAGE 1 of 1

DEPTH (FT.)	USCS	Soil Symbol	WELL CONSTRUCTION	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT)
0								
	ML						Fines 70%, Sand 30%, 5YR, 5/3 Reddish Brown, Moist, Sandy Silt, Med Plasticity, No Odor	
	ML						Fines 70%, Sand 30%, 2.5YR, 4/6 Red, Dry, Sandy Silt, Medium Plasticity, No Odor	
	ML						Fines 70%, Sand 30%, 2.5YR, 5/6 Red, Dry, Sandy Silt, Low Plasticity, No Odor	
10	ML						Fines 60%, Sand 40%, 2.5YR, 4/6 Red, Dry, Sandy Silt, Low Plasticity, No Odor	
	ML						Fines 70%, Sand 30%, 5YR, 6/3 Light Reddish Brown, Dry, Silty Sand, No Plasticity, No Odor	
	ML						Fines 80%, Sand 20%, 5YR, 5/2 Reddish Gray, Dry, Silty Sand, No Plasticity, No Odor	
20	SW					20'	Sand 60%+, Gravel 30%+, 5YR, 4/2 Dark Reddish Gray, Dry, Gravelly Sand, Well Graded, No Odor	
	ML					25'	Fines 60%, Sand 40%, 5YR, 5/2 Reddish Gray, Dry, Sandy Silt, Low Plasticity, No Odor	
30	SW					30'	Sand 60%+, Gravel 30%+, 5YR, 6/2 Pinkish Gray, Dry, Gravelly Sand, Well Graded, No Odor	
	SW						Sand 70%, Gravel 30%, 5YR, 6/2 Pinkish Gray, Dry, Gravelly Sand, Well Graded, No Odor	
40	GW					40'	Gravel 60%, Sand 40%, 5YR, 7/2 Pinkish Gray, Dry, Sandy Gravel, Well Graded, No Odor	
	SW					45'	Sand 90%+, 2.5YR, 3/4 Dark Reddish Brown, Dry, Gravelly Sand, Well Graded, No Odor	
50	SW						Sand 90%+, 2.5YR, 4/3 Reddish Brown, Moist, Sand, Well Graded, No Odor	
						55'	Bottom of hole. No groundwater encountered.	
60								

REMARKS:




THIS BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT.



# KEY TO SYMBOLS

Symbol    Description

Strata symbols

- |  |                    |
|--|--------------------|
|  | Silt               |
|  | Well graded sand   |
|  | Well graded gravel |

Monitor Well Details

- |  |                     |
|--|---------------------|
|  | Plugged Soil Boring |
|--|---------------------|



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QUESTIONS

Action 298455

**QUESTIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298455
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2224139385
Incident Name	NAPP2224139385 SPURCK F STATE #5 @ 30-015-21598
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-21598] SPURCK F STATE #005

**Location of Release Source**

Please answer all the questions in this group.

Site Name	SPURCK F STATE #5
Date Release Discovered	08/25/2022
Surface Owner	State

**Incident Details**

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Other   Unknown   Crude Oil   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other   Unknown   Produced Water   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Historical impacts were discovered during the decommissioning process of the location. The environmental consultant contracted to investigate the area determined on 8/25/2022, based on the impacted area footprint, that the release more than likely breached the reportable volume threshold.

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QUESTIONS, Page 2

Action 298455

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 298455
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Tina Huerta Title: Regulatory Reporting Supervisor Email: tina_huerta@eogresources.com Date: 12/29/2023
--	--

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QUESTIONS, Page 3

Action 298455

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298455
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	2880
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	531
GRO+DRO (EPA SW-846 Method 8015M)	217
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/01/2022
On what date will (or did) the final sampling or liner inspection occur	09/09/2022
On what date will (or was) the remediation complete(d)	12/22/2023
What is the estimated surface area (in square feet) that will be reclaimed	1200
What is the estimated volume (in cubic yards) that will be reclaimed	220
What is the estimated surface area (in square feet) that will be remediated	1200
What is the estimated volume (in cubic yards) that will be remediated	220

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 298455

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298455
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Tina Huerta Title: Regulatory Reporting Supervisor Email: tina_huerta@eogresources.com Date: 12/29/2023
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5  
  
Action 298455

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:
	7377
	Action Number:
	298455
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

<b>Deferral Requests Only</b>	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No



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QUESTIONS, Page 6

Action 298455

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298455
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	298476
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/31/2022
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1200

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1200
What was the total volume (cubic yards) remediated	220
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1200
What was the total volume (in cubic yards) reclaimed	220
Summarize any additional remediation activities not included by answers (above)	Please see attached report.

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Tina Huerta Title: Regulatory Reporting Supervisor Email: tina_huerta@eogresources.com Date: 12/29/2023
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QUESTIONS, Page 7  
  
Action 298455

QUESTIONS (continued)

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298455
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS  
  
Action 298455

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:
	7377
	Action Number:
	298455
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	1/23/2024