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TALON LPE

Closure Report

New Mexico DE State Com #1
Eddy County, New Mexico
API # 30-015-24122
Incident # nAPP2209133003

Prepared For:

EOG Resources Inc.
104 S. 4th Street
Artesia, NM 88210

Prepared By:

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

October 17, 2023

NMOCD
504 W. Texas Ave.
Artesia, NM 88210

Subject: **Closure Report**
New Mexico DE State Com #1
Eddy County, New Mexico
API # 30-015-24122
Incident # nAPP2209133003

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 is presented herein.

Site Information

The New Mexico DE State Com #1 is located approximately nineteen (19) miles south of Artesia, New Mexico. The legal location for this release is Unit Letter C, Section 19, Township 19 South and Range 24 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.65164 and -104.63005. 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 Dev-Pima complex and Reagan loam, 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 the Ogallala Formation, lower Pliocene to Middle Miocene in age, and comprised of residuum weathered from limestone. Drainage courses in this area are typically well drained.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 480 feet below ground surface (bgs), located over 0.5 miles from site. See Appendix II for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a medium potential Karst area.

With no depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore adhere to the cleanup criteria for this site of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	480 Feet/bgs

☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole or a playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
☐Yes ☒No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
☐Yes ☒No	Within 1000 feet of any freshwater well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

Because the release occurred on a location where the well is plugged and location is to be reclaimed, the clean-up criteria for the upper 4 feet of this site per NMAC 19.15.29.13.D is as follows:

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	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	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 under the former containment area. EOG contracted Talon to assess the area of impact. Due to the size of the impacted area this was deemed a reportable event and the spill notification was submitted to the NMOCD. A subsequent C-141 was submitted to the NMOCD with incident number nAPP2209133003 being assigned. The site map is presented in Appendix I.

Site Assessment

On March 08, 2022 Talon mobilized personnel to the site to conduct an initial site assessment. During the time frame of March 8, 2022, through June 13, 2022, remedations activities were performed with excavation depths ranging from 14 feet bgs to 16 feet bgs. Hard rock refusal was encounted at 16 feet bgs. An air rotary drilling rig was utilized to determine if contamination extended beyond the bedrock layer. Field testing of soil samples was utilized and a sample was collected at 36 feet bgs for labaretory analysis. A closure report was submitted to NMOCD.

Regulatory Response

On 10/31/2022, NMOCD stated that the closure report was denied. The OCD requested confirmation floor samples for locations BH-2 and BH-3. Additionally, sidewalls WSW, ESW, NSW, and SSW needed to be included on the site map and clearly marked.

Corrective Actions

On August 2, 2023, Talon personnel and equipment returned to location to excavate the impacted area to depths of 20 feet bgs to provide a floor sample as requested by NMOCD. Using field titration data, the sidewalls were advanced to the extent that NMOCD soil remediation guidelines were met or exceeded. All soil samples were retrieved on a composite basis, properly contained, preserved on ice and transported to Cardinal Laboratories for confirmation. The results are recapped below. The sample positions are illustrated on Figure 4 (Appendix I).

Table IV

8/2/23 Soil Sample Laboratory Results

New Mexico DE State Com #1									
Sample ID	**Sample Date**	**Depth (BGS)**	**Benzene mg/kg**	**BTEX mg/kg**	**GRO mg/kg**	**DRO mg/kg**	**MRO mg/kg**	**Total TPH mg/kg**	**Chlorides mg/kg**
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			**10 mg/kg**	**50 mg/kg**	**DRO + GRO + MRO combined = 100 mg/kg**			**100 mg/kg**	**600 mg/kg**
BH-2	8/2/23	17'	ND	ND	ND	ND	ND	ND	80
	8/2/23	20'	ND	ND	ND	ND	ND	ND	64
BH-3	8/2/23	17'	ND	ND	ND	ND	ND	ND	80
	8/2/23	20'	ND	ND	ND	ND	ND	ND	48
N-SW	8/2/23	0-20’	ND	ND	ND	ND	ND	ND	80
S-SW	8/2/23	0-20’	ND	ND	ND	ND	ND	ND	48
E-SW	8/2/23	0-20’	ND	ND	ND	ND	ND	ND	80
W-SW	8/2/23	0-20’	ND	ND	ND	ND	ND	ND	80

NOTES:

BGS	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
S	Sample
C	Bottom Hole sample
SW	Sidewall Sample
ND	Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

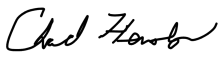
Closure

Based on this site characterization, remedial actions completed, and analytical results, we request that no further actions be required and that closure with regard to 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



Chad Hensley
Project Manager

Attachments:
Appendix I Site Plans
Appendix II Groundwater Data, Soil Survey
Appendix lll Photographic Documentation
Appendix lV Laboratory Data

Appendix I

Site Maps

TALON LPE

Drafted: 9/20/2023
1 in = 20 ft
Drafted By: IJR

New Mexico DE State Com #1
EOG Resources, Inc.
32.65164°N, -104.63005°W
Eddy County, NM
Sample Map

Appendix II

Groundwater Data

Soil Survey

FEMA Flood Map

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 07942		RA	ED	4	2	2	13	19S	23E	533987	3614242*	1658	2900		
RA 07466		RA	ED			2	13	19S	23E	533686	3614137*	1713	627	480	147
RA 07466 CLW		RA	ED			2	13	19S	23E	533686	3614137*	1713	288		
RA 12972 POD1		RA	ED	3	2	1	13	19S	23E	532998	3614250	2253	321	285	36
RA 06777		RA	ED		4	1	07	19S	24E	534686	3615577*	2851	800		

Average Depth to Water: **382 feet**

Minimum Depth: **285 feet**

Maximum Depth: **480 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 534658.14 **Northing (Y):** 3612725.9 **Radius:** 3000

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

3/9/22 9:56 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
20D18	RA 12972 POD1	3	2	1	13	19S	23E	532998	3614250

Driller License: 1607 **Driller Company:** DURAN DRILLING

Driller Name: DURAN, LUISRAY.NPKENER

Drill Start Date:	06/05/2021	**Drill Finish Date:**	07/01/2021	**Plug Date:**	
Log File Date:	08/03/2021	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	4 GPM
Casing Size:	5.00	**Depth Well:**	321 feet	**Depth Water:**	285 feet

Water Bearing Stratifications:	Top	Bottom	Description
	241	277	Other/Unknown

Casing Perforations:	Top	Bottom
	160	320

United States Department of Agriculture

NRCS

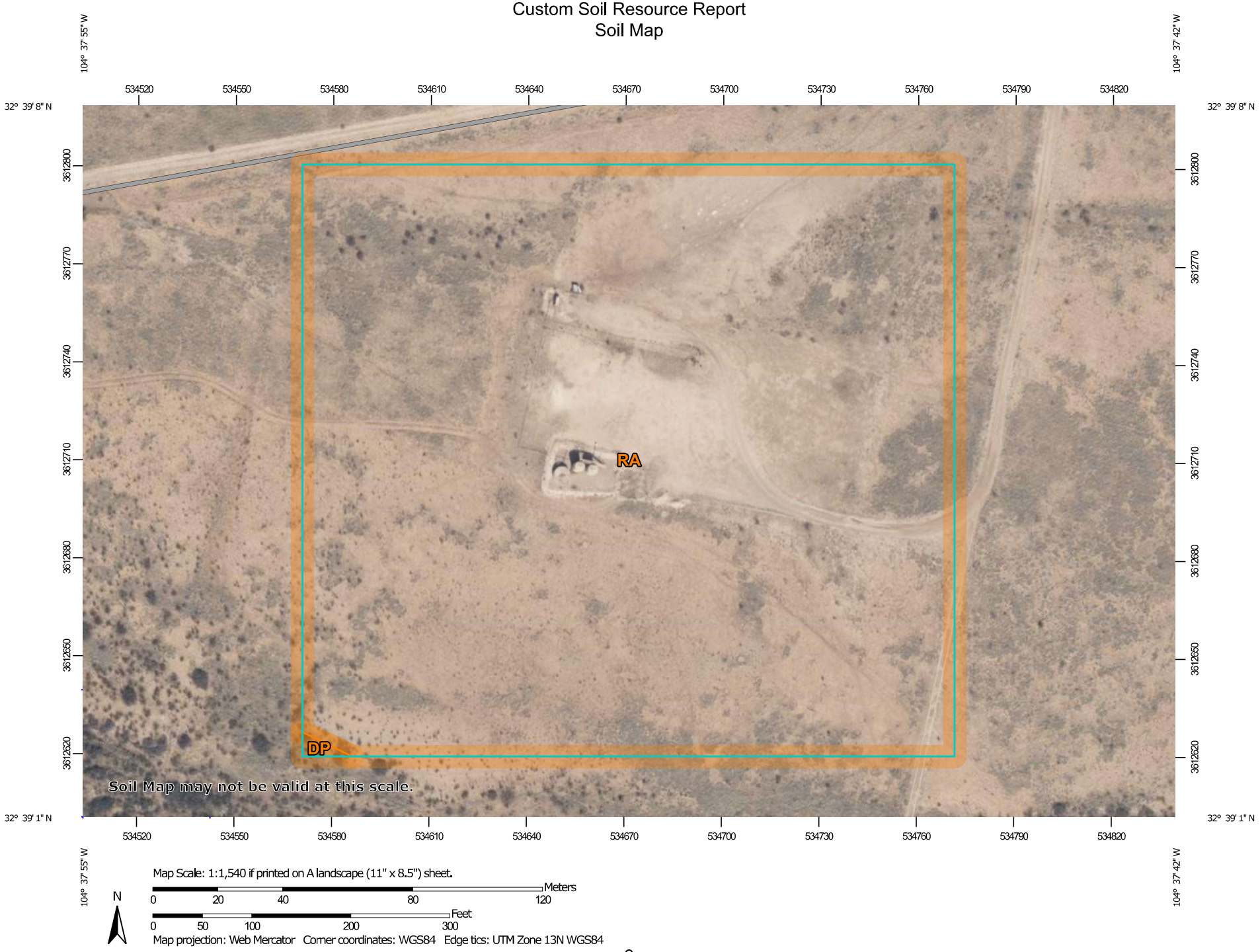
Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico

March 9, 2022

Custom Soil Resource Report
Soil Map



MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Eddy Area, New Mexico

DP—Dev-Pima complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w48
Elevation: 3,200 to 4,600 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 195 to 217 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Dev and similar soils: 55 percent
Pima and similar soils: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dev

Setting

Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 15 inches: very gravelly loam
H2 - 15 to 60 inches: very gravelly 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: FrequentNone
Frequency of ponding: None
Calcium carbonate, maximum content: 70 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: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: A
Ecological site: R042XC017NM - Bottomland
Hydric soil rating: No

Description of Pima

Setting

Landform: Flood plains, alluvial flats, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Alluvium

Typical profile

H1 - 0 to 3 inches: silt loam
H2 - 3 to 60 inches: silty clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: RareNone
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: High (about 11.9 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: C
Ecological site: R042XC017NM - Bottomland
Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 15 percent
Hydric soil rating: No

RA—Reagan loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5c
Elevation: 1,100 to 4,400 feet
Mean annual precipitation: 7 to 14 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 200 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Minor Components

Upton

Percent of map unit: 1 percent
Ecological site: R042XC025NM - Shallow
Hydric soil rating: No

Atoka

Percent of map unit: 1 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

National Flood Hazard Layer FIRMette

FEMA

104°38'8"W 32°39'21"N

104°37'31"W 32°38'51"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

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, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- 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 *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 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

N

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 3/9/2022 at 11:55 AM 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

NMOCD 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	nAPP2209133003
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 # *nAPP2209133003*
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.65164 Longitude -104.63005
(NAD 83 in decimal degrees to 5 decimal places)

Site Name New Mexico DE State Com #1	Site Type Battery
Date Release Discovered 03/31/2022	API# *30-015-24122*

Unit Letter	Section	Township	Range	County
C	19	19S	24E	Eddy

Surface Owner: ☑ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☑ Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
☑ Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☑ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Historical impacts were discovered during the battery decommission for the plug and abandonment of the location. EOG contracted a third-party consultant to investigate the impacted area, the consultant determined 03/31/2022 based on the impacted area footprint that the reportable threshold was most likely met.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2209133003
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jeremy Haass Title: Sr. Safety & Environmental Specialist

Signature: Jy Haass Date: 4/1/2022

email: jeremy_haass@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2209133003
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?	480 ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2209133003
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: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 6/22/2022

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Incident ID	napp2209133003
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety & Enviromental Sr.

Signature: Chase Settle Date: 10/17/2023

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

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: Jeremy Haass
To: David J. Adkins; Chad Hensley
Subject: Fwd: New Mexico DE State Com 1 (nAPP2209133003) Sampling notification
Date: Monday, July 31, 2023 12:38:17 PM

FYI
Get Outlook for iOS

From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Monday, July 31, 2023 2:37:29 PM
To: ocd.enviro@emnrd.nm.gov <ocd.enviro@emnrd.nm.gov>
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: New Mexico DE State Com 1 (nAPP2209133003) Sampling notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

New Mexico DE State Com #1
C-19-19S-24E
Eddy County, NM
nAPP2209133003

Sampling will begin at 2:00 p.m. on Wednesday, August 2, 2023.

Thank you,

Miriam Morales

Appendix IV

Photo Documentation

Photograph No.1 Description:

New Mexico DE State Com #1 Remediation

Photograph No.2 Description:

New Mexico DE State Com #1 Remediation

Photograph No.3 Description:

New Mexico DE State Com #1 Remediation 20 feet excavation.

Photograph No.4 Description:

New Mexico DE State Com #1 Backfill

Appendix V

Laboratory Reports

CARDINAL Laboratories

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

August 03, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NEW MEXICO DE

Enclosed are the results of analyses for samples received by the laboratory on 08/02/23 16:02.

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.

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DE	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BH - 2 @ 17' (H234097-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.21	111	2.00	3.27	
Toluene*	<0.050	0.050	08/03/2023	ND	2.13	107	2.00	1.89	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.04	102	2.00	2.65	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.13	102	6.00	1.99	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/03/2023	ND	432	108	400	3.64	

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	08/02/2023	ND	197	98.3	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	197	98.4	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane *125 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *138 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DE	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BH - 2 @ 20' (H234097-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.21	111	2.00	3.27	
Toluene*	<0.050	0.050	08/03/2023	ND	2.13	107	2.00	1.89	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.04	102	2.00	2.65	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.13	102	6.00	1.99	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/03/2023	ND	432	108	400	3.64	

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	08/02/2023	ND	197	98.3	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	197	98.4	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane *129 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *141 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DE	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BH - 3 @ 17' (H234097-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.21	111	2.00	3.27	
Toluene*	<0.050	0.050	08/03/2023	ND	2.13	107	2.00	1.89	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.04	102	2.00	2.65	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.13	102	6.00	1.99	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/03/2023	ND	432	108	400	3.64	

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	08/02/2023	ND	197	98.3	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	197	98.4	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane *123 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *132 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DE	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: BH - 3 @ 20' (H234097-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.21	111	2.00	3.27	
Toluene*	<0.050	0.050	08/03/2023	ND	2.13	107	2.00	1.89	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.04	102	2.00	2.65	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.13	102	6.00	1.99	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *71.5-134*

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	08/03/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	197	98.3	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	197	98.4	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane *135 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *145 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DE	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: N - SW (H234097-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.21	111	2.00	3.27	
Toluene*	<0.050	0.050	08/03/2023	ND	2.13	107	2.00	1.89	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.04	102	2.00	2.65	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.13	102	6.00	1.99	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/03/2023	ND	432	108	400	3.64	

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	08/03/2023	ND	197	98.3	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	197	98.4	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane *133 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *144 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DE	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: S - SW (H234097-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.21	111	2.00	3.27	
Toluene*	<0.050	0.050	08/03/2023	ND	2.13	107	2.00	1.89	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.04	102	2.00	2.65	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.13	102	6.00	1.99	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *71.5-134*

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	08/03/2023	ND	432	108	400	3.64	

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	08/03/2023	ND	197	98.3	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	197	98.4	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane *124 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *139 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DE	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: E - SW (H234097-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.21	111	2.00	3.27	
Toluene*	<0.050	0.050	08/03/2023	ND	2.13	107	2.00	1.89	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.04	102	2.00	2.65	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.13	102	6.00	1.99	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/03/2023	ND	432	108	400	3.64	

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	08/03/2023	ND	197	98.3	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	197	98.4	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane *125 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *136 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	NEW MEXICO DE	Sampling Condition:	Cool & Intact
Project Number:	700438.292.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: W - SW (H234097-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.21	111	2.00	3.27	
Toluene*	<0.050	0.050	08/03/2023	ND	2.13	107	2.00	1.89	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.04	102	2.00	2.65	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.13	102	6.00	1.99	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/03/2023	ND	432	108	400	3.64	

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	08/03/2023	ND	197	98.3	200	1.29	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	197	98.4	200	0.780	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane *124 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *135 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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.
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

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

Company Name: Talon LPE		**BILL TO**	
Project Manager: C. Hensley		P.O. #:	
Address: 408 W. Texas Ave		Company:	
City: Artesia	State: NM Zip: 88210	Attn:	
Phone #: 575.746.8768	Fax #:	Address:	
Project #: 700438.292.01	Project Owner: EOG	City:	
Project Name: New Mexico DE		State:	Zip:
Project Location: Eddy County, NM		Phone #:	
Sampler Name: B. Medley		Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
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	CL	BTEX	TPH
H234097																	
1	BH-2 @ 17'	G	1			✓							8/2/23	2:00	✓	✓	✓
2	BH-2 @ 20'	G	1			✓							8/2/23	2:07	✓	✓	✓
3	BH-3 @ 17'	G	1			✓							8/2/23	2:15	✓	✓	✓
4	BH-3 @ 20'	G	1			✓							8/2/23	2:21	✓	✓	✓
5	N-SW	C	1			✓							8/2/23	2:25	✓	✓	✓
6	S-SW	C	1			✓							8/2/23	2:30	✓	✓	✓
7	E-SW	C	1			✓							8/2/23	2:35	✓	✓	✓
8	W-SW	C	1			✓							8/2/23	2:40	✓	✓	✓

Relinquished By: Bartlett Medley	Date: 8-2-23	Received By: Tamara Oldaker	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1602		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		24hr rush

Delivered By: (Circle One) #140
Sampler - UPS - Bus - Other: 2.8°C

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) TO

Page 1 of 1

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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

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

CONDITIONS

Action 276439

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	7377
	Action Number: 276439
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation and reclamation approved. A revegetation report will not be accepted until revegetation of the release area is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/18/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	3/18/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website	3/18/2024