

Incident ID	nAPP2206234416
District RP	
Facility ID	fAPP2202780782
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: Laci Luig Title: ESH Specialist

Signature:  Date: 7/11/2022

email: laci.luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: Robert Hamlet Date: 11/4/2022

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: 11/4/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Remediation and Closure Report

Parkway 17 State Com 4H-7H Battery
Eddy County, New Mexico
Incident # nAPP2206234416

Prepared For:

Cimarex Energy Company of Colorado
600 N. Marienfeld Street, Ste. 600
Midland, TX 79701

Prepared By:

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

July 11, 2022



NMOCD
Mike Bratcher
NMOCD
1301 W. Grand Avenue
Artesia, NM 88210

Subject: **Remediation and Closure Report**
Parkway 17 State Com 4H-7H
Battery Eddy County, New Mexico
Incident #nAPP2206234416

Dear Mr. Bratcher,

Cimarex Energy, Co. of Colorado 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 work variance request is presented herein.

Site Information

The Parkway 17 State Com 4H-7H Battery is located approximately twenty-two (22) miles southeast of Artesia, New Mexico. The legal location for this release is Unit Letter M, Section 17, Township 19 South and Range 29 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.65554 and -104.10416. 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 made up of Simona-Bippus complex with 0-5 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of mixed alluvium and/or eolian sands from sedimentary rock, Alluvial Piedmont in age. This area has slight natural salinity. Drainage courses in this area are typically well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 55-feet below ground surface (bgs). 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 high potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater		55 Feet/bgs
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole or a playa lake	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 1000 feet of any freshwater well or spring	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of a wetland	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Within an unstable area	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain	

Because the release occurred in an area where the referenced groundwater exceeds .5-mile radius, is potential high Karst, therefore the cleanup criteria for this site is as follows.

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

According to the C-141 Release Notification, on March 02, 2022 a release occurred due to the fire tube gasket on the heater treater failing. 4 bbl of oil were released inside the lined containment and 12 bbl on to the well pad. No fluids traversed to the pasture area. A Hydro Vac was dispatched to recover fluid from inside the containment. A liner inspection was conducted and no breaches were found in the liner ([Appendix III](#)). The site map is presented in [Appendix I](#).

Site Assessment

On March 03, 2022, Talon mobilized equipment and personnel to the site and conducted an initial site assessment, mapping the impacted area and sampling the soil for purposes of delineation. Auger refusal was encountered in all sample positions. All soil samples were properly retrieved, contained, preserved, and transported via chain of custody to Cardinal Laboratories for analysis of Total Chlorides (Method SM4500Cl-B), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations for the containment area are shown on the attached site plan and the results of our sampling event are presented on the following data table.

Table I
03-09-22

Soil Sample 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	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	3/3/2022	0-1' R	315	2.56	6540	13800	1950	22290	1710
S-2	3/3/2022	0-1' R	186	1.5	3820	8310	1200	13330	2080
S-3	3/3/2022	0-1' R	194	1.35	4310	11000	1560	16870	2520
S-4	3/3/2022	0-1' R	257	3.2	6290	12100	1580	19970	496
BG-1	3/3/2022	0'	1.18	0.157	16.4	15	11.2	42.6	16
BG-2	3/3/2022	0'	1.08	0.104	16.4	ND	ND	16.4	ND

ND = Analyte Not Detected R = Refusal with Hand Auger

ND=Analyte Not Detected BG=Background Sample R=Auger Refusal

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

On June 07, 2022, Talon mobilized personnel and equipment to the site and conducted a site safety walk with Cimarex Energy personnel. A Hydro Vac was utilized to spot electrical lines around the panel box. Due to infrastructure and safety concerns, hand excavation was conducted near high pressure lines and containment to depths of 2.5 feet bgs. Field titration data was utilized to guide excavation activities. Soil remediation activities ensued over the course of the following weeks. Additional sidewall soil samples were retrieved in order to comply with the 200 sq. feet composite sampling requirement. The NMOCD was notified of confirmation sampling events ([Appendix III](#)) All soil samples were properly packaged, preserved, and transported to Cardinal Laboratories via chain of custody for analysis of Total Chlorides, TPH and BTEX. Sample locations are shown on the attached site plan ([Appendix I](#)) Figure II. and the results of our sampling event are presented on the following data table.

Table II
Confirmation Soil Sample 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
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	6/16/2022	2'	ND	ND	ND	18.6	ND	18.6	64
S-2A	6/16/2022	2'	ND	ND	ND	129	22.4	151.4	96
S-2B	6/23/2022	2.5'	ND	ND	ND	ND	ND	-	16
S-3A	6/20/2022	2'	ND	ND	ND	43.5	ND	43.5	80
S-4A	6/20/2022	2'	ND	ND	ND	86.9	19.4	106.3	64
S-4B	6/23/2022	2.5'	ND	ND	ND	ND	ND	-	16
S-5A	6/20/2022	2'	ND	ND	ND	75.5	16.2	91.7	48
S-6A	6/20/2022	2'	ND	ND	ND	1490	322	1812	128
S-6B	6/23/2022	2.5'	ND	ND	ND	ND	ND	-	48
S-7A	6/20/2022	2'	ND	ND	ND	34.7	ND	34.7	48
S-8A	6/24/2022	2'	ND	ND	ND	ND	ND	-	48
S-9A	6/24/2022	2'	ND	ND	ND	ND	ND	-	32
SW-1	6/16/2022	2'	ND	ND	ND	30.5	ND	30.5	112
	6/23/2022	2'	ND	ND	ND	13.4	ND	13.4	128
SW-2	6/16/2022	2'	ND	ND	ND	13.6	ND	13.6	48
	6/23/2022	2.5'	ND	ND	ND	ND	ND	-	48
SW-3	6/20/2022	2'	ND	ND	ND	ND	ND	-	64
	6/23/2022	2'	ND	ND	ND	ND	ND	-	48
SW-4	6/20/2022	2'	ND	ND	ND	ND	ND	-	32
	6/23/2022	2'	ND	ND	ND	ND	ND	-	32

ND = Analyte Not Detected SW = Side Wall

ND=Analyte Not Detected SW=Sidewall Sample
See [Appendix V](#) for the complete report of laboratory results.

Remedial Actions

- Cimarex Energy personnel took proactive measures by immediately dispatching A Hydro-vac and removing all free-standing fluid, thus minimizing the impact to surface area.
- The impacted area was excavated from depth of 2 feet to 2.5 feet Bgs. All samples were collected on a composite basis. Laboratory analysis confirms that NMOCD remediation guidelines for soil remediation were achieved in these areas.
- Sidewall and background samples were obtained in order to confirm horizontal delineation.
- The impacted area was vertically and horizontally remediated as is documented in photographic documentation ([Appendix IV](#)).
- The excavated area was backfilled with clean caliche, compacted and restored to grade.
- A liner inspection was conducted on July 05, 2022, and no breaches were observed in the liner.
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved disposal facility.

Closure

Based on this site characterization, remedial actions completed, and analytical results, we respectfully 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

Rebecca S. Pons
Senior Environmental Project Manager

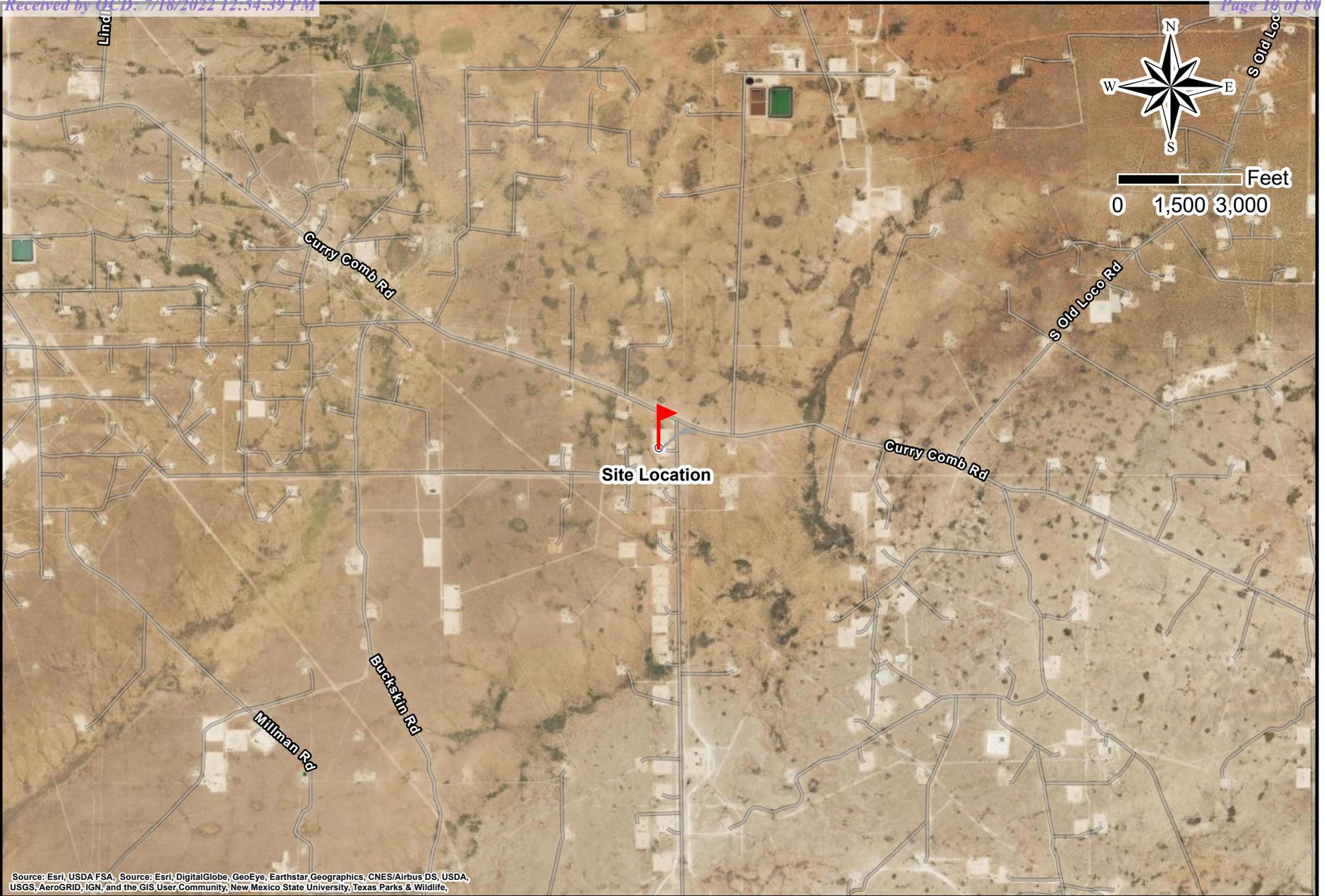
Attachments:

- Appendix I Site Plans
- Appendix II Groundwater Data, Soil Survey, Karst Map, FEMA Map
- Appendix III C-141 Forms, NMOCD Correspondence
- Appendix IV Photographic Documentation
- Appendix V Laboratory Data



Appendix I

Site Maps



Source: Esri, USDA FSA, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, New Mexico State University, Texas Parks & Wildlife,



Drafted: 7/11/2022

1 in = 3,000 ft

Drafted By: JAI

Cimarex Energy Co. of Colorado
 Parkway 17 State Com 4H-7H Battery
 Incident #nAPP2206234416
 Eddy County, NM
 Figure 3 - Location Map



Image Source: Google Earth



Drafted: 7/11/2022

1 in = 30 ft

Drafted By: JAI

Cimarex Energy Co. of Colorado
Parkway 17 State Com 4H-7H Battery

Incident #nAPP2206234416

Eddy County, NM

Figure 1 - Assessment Map



Image Source: Google Earth

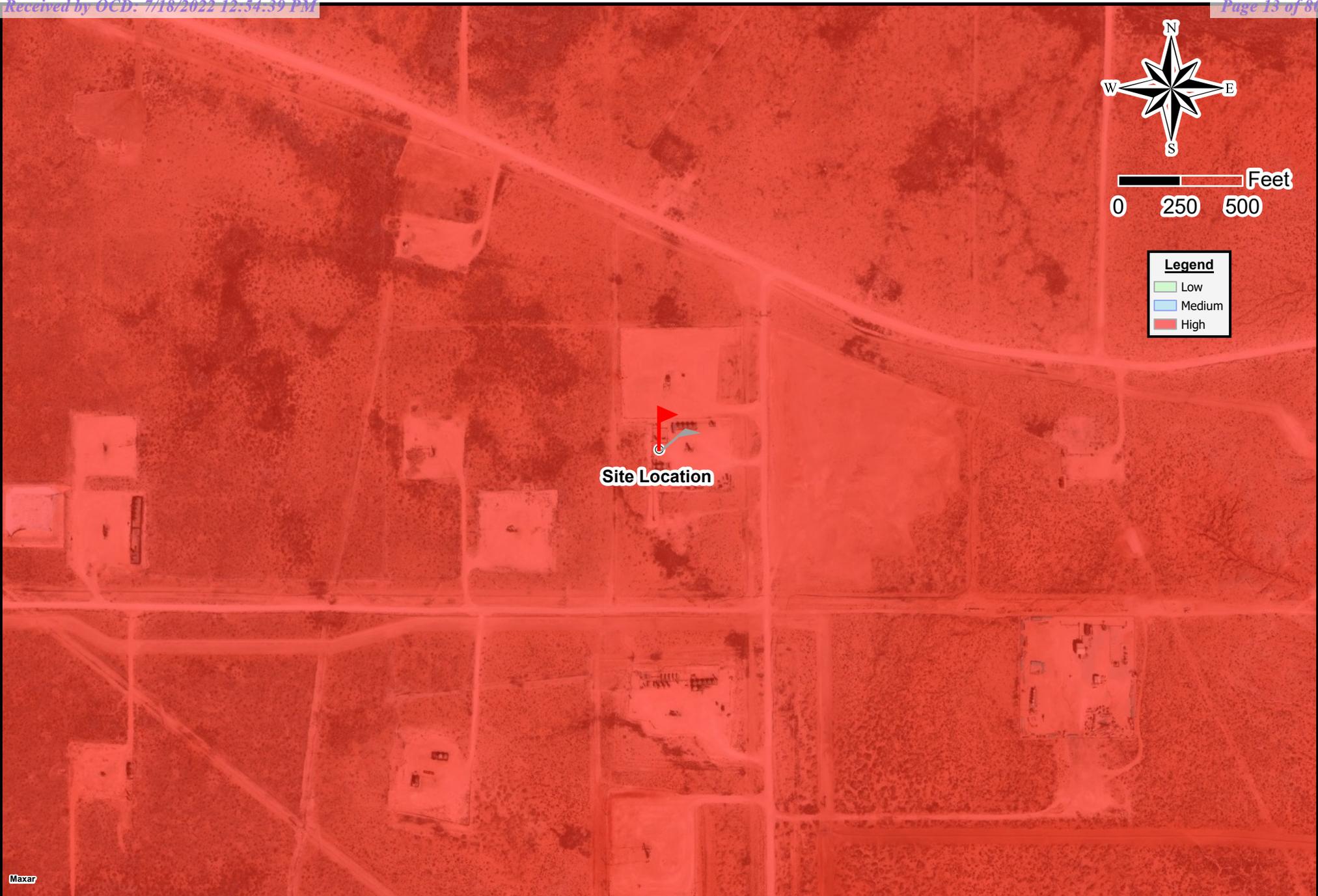


Drafted: 7/11/2022

1 in = 30 ft

Drafted By: JAI

Cimarex Energy Co. of Colorado
 Parkway 17 State Com 4H-7H Battery
 Incident #nAPP2206234416
 Eddy County, NM
 Figure 2 - Confirmation Map



Legend

- Low
- Medium
- High

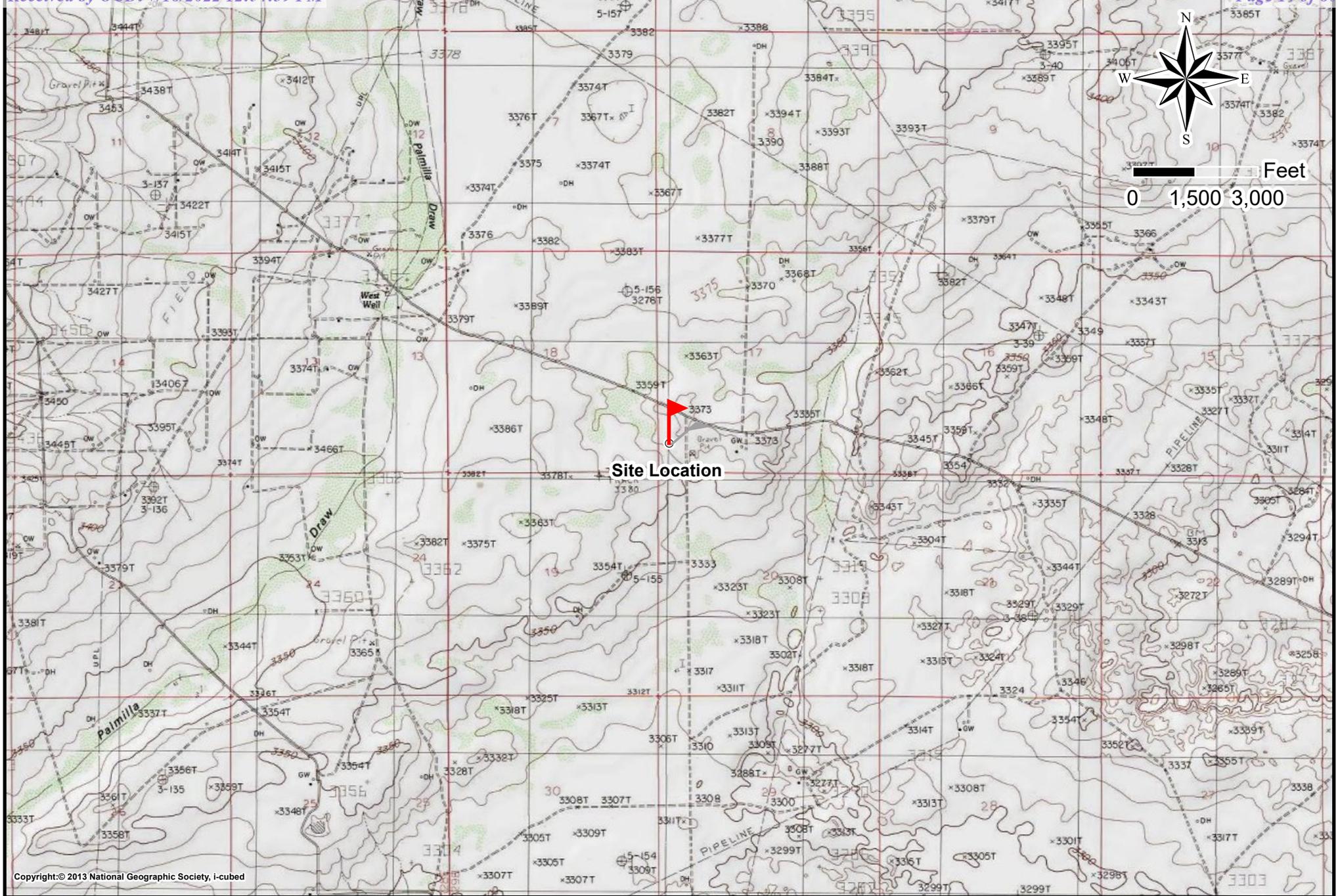
Site Location

Maxar



Drafted: 7/11/2022
 1 in = 500 ft
 Drafted By: JAI

Cimarex Energy Co. of Colorado
 Parkway 17 State Com 4H-7H Battery
 Incident #nAPP2206234416
 Eddy County, NM
 Figure 5 - Karst Map



Copyright: © 2013 National Geographic Society, i-cubed



Drafted: 7/11/2022
 1 in = 3,000 ft
 Drafted By: JAI

Cimarex Energy Co. of Colorado
 Parkway 17 State Com 4H-7H Battery
 Incident #nAPP2206234416
 Eddy County, NM
 Figure 4 - Topographic Map

National Flood Hazard Layer FIRMette



104°6'36"W 32°39'35"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		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.



0 250 500 1,500 2,000 Feet 1:6,000

104°5'58"W 32°39'5"N

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 3/3/2022 at 5:24 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 II
Groundwater Data, & Soil Survey



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Well Depth	Water Column
CP 00646	CP	ED	ED	1	1	4	07	19S	29E	583155	3615551	2250	199	150 49
CP 01858 POD1	CP	ED	ED	4	1	4	01	19S	28E	581872	3617163	4259	55	
CP 01231 POD1	CP	ED	ED	4	4	2	36	19S	28E	582311	3609372	4401	300	75 225

Average Depth to Water: **112 feet**

Minimum Depth: **75 feet**

Maximum Depth: **150 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 583963.59

Northing (Y): 3613451.87

Radius: 5000

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.

3/3/22 3:03 PM

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	Tws	Rng	X	Y
NA	CP 01858 POD1	4	1	4	01	19S	28E	581872	3617163

Driller License: 1249	Driller Company: ATKINS ENGINEERING ASSOC. INC.	
Driller Name: JACKIE D ATKINS		
Drill Start Date: 11/17/2020	Drill Finish Date: 11/17/2020	Plug Date: 11/30/2020
Log File Date: 01/22/2021	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield: 0 GPM
Casing Size:	Depth Well: 55 feet	Depth Water:

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

3/3/22 3:03 PM

POINT OF DIVERSION SUMMARY



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 3, 2022

Custom Soil Resource Report
Soil Map



Soil Map may not be valid at this scale.

Map Scale: 1:1,760 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Custom Soil Resource Report

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

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.

Custom Soil Resource Report

Eddy Area, New Mexico**SM—Simona-Bippus complex, 0 to 5 percent slopes****Map Unit Setting**

National map unit symbol: 1w5x
Elevation: 1,800 to 5,000 feet
Mean annual precipitation: 8 to 24 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

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

Description of Simona**Setting**

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam
H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 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: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R042XC002NM - Shallow Sandy
Hydric soil rating: No

Custom Soil Resource Report

Description of Bippus

Setting

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

Typical profile

H1 - 0 to 37 inches: silty clay loam
H2 - 37 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 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): Moderately high to high
(0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Calcium carbonate, maximum content: 40 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 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: R042XC017NM - Bottomland
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 8 percent
Ecological site: R042XC002NM - Shallow Sandy
Hydric soil rating: No

Bippus

Percent of map unit: 7 percent
Ecological site: R042XC017NM - Bottomland
Hydric soil rating: No



Appendix III

C-141 Forms, NMOCD Correspondence,
Liner Inspection Certification

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Incident ID	nAPP2206234416
District RP	
Facility ID	fAPP2202780782
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co. of Colorado	OGRID: 162683
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # (assigned by OCD) nAPP2206234416
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.65554 _____ Longitude -104.10416 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Parkway 17 State Com 4H-7H Battery	Site Type: Battery
Date Release Discovered: 3/2/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	17	19S	29E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 16	Volume Recovered (bbls) 5
<input type="checkbox"/> Produced Water	Volume Released (bbls)	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: Equipment Failure

The fire tube gasket on the heater treater failed, releasing 4 barrels oil inside the lined containment and 12 barrels onto the well pad. A hydro vac was called to location to recover the product inside the lined containment and begin removing impacted soil. A new gasket will be installed on the fire tube and an environmental company will be contacted to remediate impacted soils. A liner inspection will be scheduled once the containment has been washed.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2206234416
District RP	
Facility ID	fAPP2202780782
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)?
 By: Laci Luig
 To: OCD Enviro, Ryan Mann (SLO)
 By: Email

Initial Response

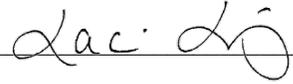
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<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 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: Laci Luig _____ Title: ESH Specialist _____
 Signature:  _____ Date: 3/3/2022 _____
 email: laci.luig@coterra.com _____ Telephone: (432) 208-3035 _____

OCD Only
 Received by: Jocelyn Harimon _____ Date: 07/18/2022 _____

Incident ID	nAPP2206234416
District RP	
Facility ID	fAPP2202780782
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?	<u>55</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

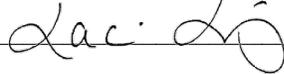
State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2206234416
District RP	
Facility ID	fAPP2202780782
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: Laci Luig _____ Title: ESH Specialist _____

Signature:  _____ Date: 6/30/2022 _____

email: laci.luig@coterra.com _____ Telephone: (432) 208-3035 _____

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2206234416
District RP	
Facility ID	fAPP2202780782
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: Laci Luig _____ Title: ESH Specialist _____
 Signature:  _____ Date: 7/11/2022 _____
 email: laci.luig@coterra.com _____ Telephone: (432) 208-3035 _____

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: [Laci Luig](#)
To: [NMOCD Spill Notifications](#); [Ryan Mann - NM SLO](#)
Cc: [Rebecca Pons](#)
Subject: nAPP2206234416 Parkway 17 State Com Battery confirmation sampling
Date: Thursday, June 16, 2022 5:11:39 PM
Attachments: [image003.jpg](#)

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

Good afternoon,

This email serves as notification for confirmation sampling on the Parkway 17 State Com Battery. Sampling is scheduled to begin June 20th at 8am (MST). Talon will be onsite for field and confirmation sampling.

Thank you,



Laci Luig | Environmental Safety & Health Specialist
T: 432.571.7810 | M: 432.208.3035 | laci.luig@coterra.com | www.coterra.com
Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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Rebecca Pons

From: Laci Luig <Laci.Luig@coterra.com>
Sent: Thursday, June 30, 2022 3:46 PM
To: NMOCD Spill Notifications; Ryan Mann - NM SLO
Cc: Rebecca Pons
Subject: nAPP2206234416 Parkway 17 State Com Battery liner inspection

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

Good afternoon,

A liner inspection at the Cimarex, Parkway 17 State Com Battery has been scheduled for Tuesday, July 5th at 8am (MST).

Incident ID: nAPP2206234416
Coordinates: 32.65554, -104.10416

Thank you,



Laci Luig | Environmental Safety & Health Specialist
T: 432.571.7810 | M: 432.208.3035 | laci.luig@coterra.com | www.coterra.com
Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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Liner Integrity Certification

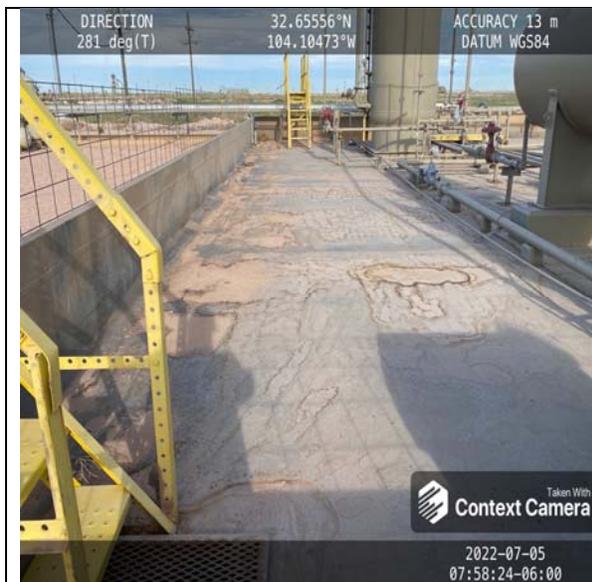
The following serves to verify that the affected liner has been inspected and found to be in serviceable condition in accordance with 19.15.29.11 A.(5)(a)(i-ii) of the New Mexico Administrative Code.

Facility ID: fAPP2202780782

Date: July 5, 2022

Incident ID(s): nAPP2206234416

- Responsible Party has visually inspected the liner.
- Liner remains intact and was able to contain the leak in question.
- At least two business days' notice was given to the appropriate division district office before conducting the liner inspection.
- Photographs illustrating liner integrity are included.



Photograph No.1 Description:

South side of liner



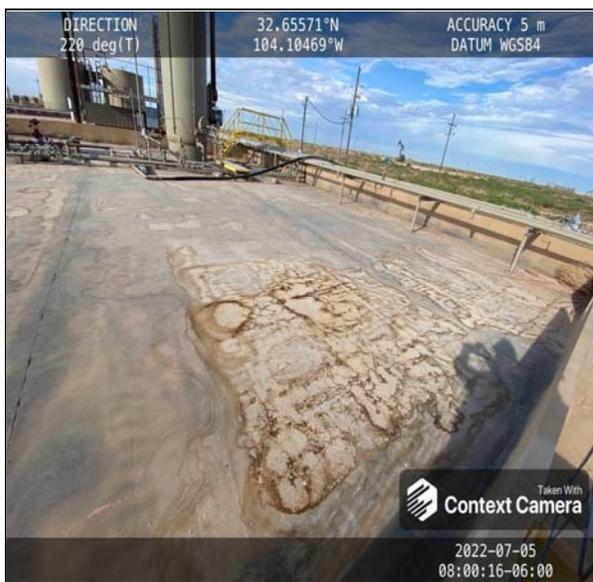
Photograph No.2 Description:

Liner under source of release



Photograph No.3 Description:

West side of liner



Photograph No.4 Description:

North side of liner



Appendix IV

Photographic Documentation



Cimarex Energy Co.
Parkway 17 St #4



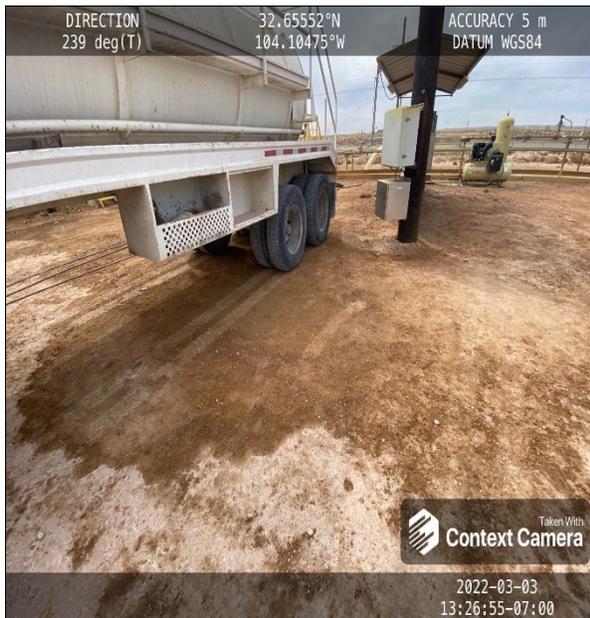
Photograph No.1 Description:

Excavation of former containment area.



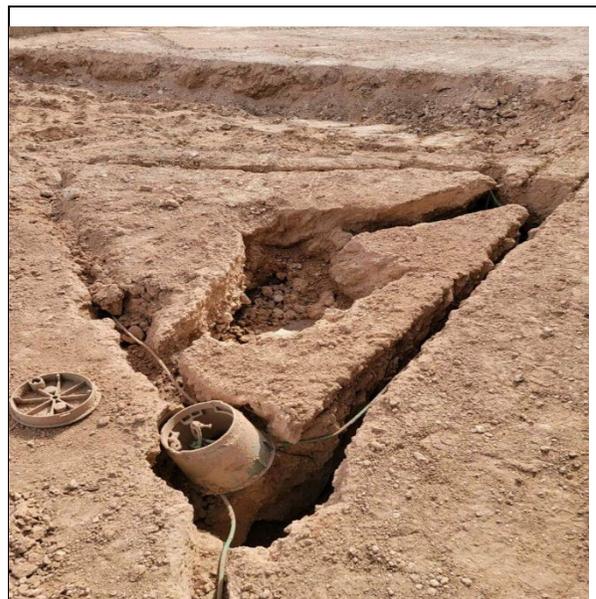
Photograph No.2 Description:

Impacted Area around utility panel.



Photograph No.3 Description:

Surface staining Pad area.



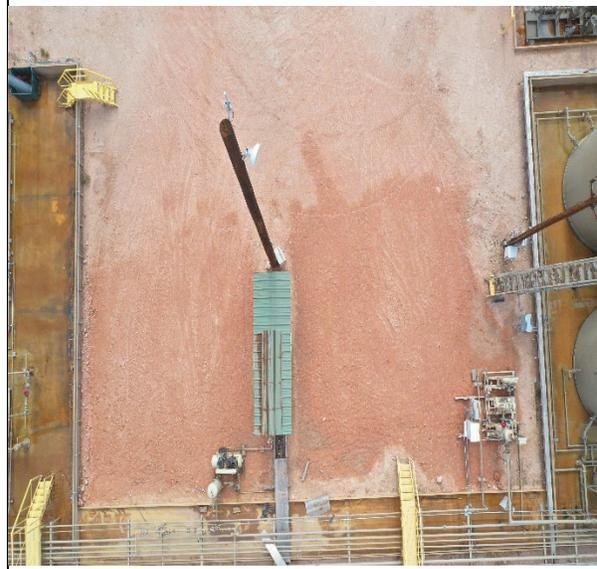
Photograph No.4 Description:

Hydro-vacked electrical line.



Photograph No.5 Description:

Aerial photo of excavated area.



Photograph No.6 Description:

Site restored to grade.



Appendix V

Laboratory Data



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

March 09, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PARKWAY 17

Enclosed are the results of analyses for samples received by the laboratory on 03/07/22 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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".

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:	03/07/2022	Sampling Date:	03/03/2022
Reported:	03/09/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 1 0-1' R (H220895-01)

BTEX 8021B		mg/kg		Analyzed By: MS\				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	2.56	0.500	03/08/2022	ND	2.04	102	2.00	5.38		
Toluene*	64.3	0.500	03/08/2022	ND	2.04	102	2.00	4.53		
Ethylbenzene*	33.6	0.500	03/08/2022	ND	2.05	102	2.00	5.17		
Total Xylenes*	215	1.50	03/08/2022	ND	6.30	105	6.00	5.37		
Total BTEX	315	3.00	03/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 215 % 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	1710	16.0	03/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	6540	50.0	03/08/2022	ND	223	112	200	1.46		
DRO >C10-C28*	13800	50.0	03/08/2022	ND	185	92.6	200	0.611		
EXT DRO >C28-C36	1950	50.0	03/08/2022	ND						

Surrogate: 1-Chlorooctane 715 % 66.9-136

Surrogate: 1-Chlorooctadecane 543 % 59.5-142

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:	03/07/2022	Sampling Date:	03/03/2022
Reported:	03/09/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 2 0-1' R (H220895-02)

BTEX 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.50	0.500	03/08/2022	ND	2.04	102	2.00	5.38	
Toluene*	36.4	0.500	03/08/2022	ND	2.04	102	2.00	4.53	
Ethylbenzene*	18.6	0.500	03/08/2022	ND	2.05	102	2.00	5.17	
Total Xylenes*	130	1.50	03/08/2022	ND	6.30	105	6.00	5.37	
Total BTEX	186	3.00	03/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 175 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	03/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3820	50.0	03/08/2022	ND	223	112	200	1.46	
DRO >C10-C28*	8310	50.0	03/08/2022	ND	185	92.6	200	0.611	
EXT DRO >C28-C36	1200	50.0	03/08/2022	ND					

Surrogate: 1-Chlorooctane 417 % 66.9-136

Surrogate: 1-Chlorooctadecane 329 % 59.5-142

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*=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:	03/07/2022	Sampling Date:	03/03/2022
Reported:	03/09/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 3 0-1' R (H220895-03)

BTEX 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.35	0.500	03/08/2022	ND	2.04	102	2.00	5.38	
Toluene*	36.3	0.500	03/08/2022	ND	2.04	102	2.00	4.53	
Ethylbenzene*	19.8	0.500	03/08/2022	ND	2.05	102	2.00	5.17	
Total Xylenes*	137	1.50	03/08/2022	ND	6.30	105	6.00	5.37	
Total BTEX	194	3.00	03/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 184 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	03/08/2022	ND	432	108	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4310	50.0	03/08/2022	ND	223	112	200	1.46	
DRO >C10-C28*	11000	50.0	03/08/2022	ND	185	92.6	200	0.611	
EXT DRO >C28-C36	1560	50.0	03/08/2022	ND					

Surrogate: 1-Chlorooctane 529 % 66.9-136

Surrogate: 1-Chlorooctadecane 486 % 59.5-142

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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:	03/07/2022	Sampling Date:	03/03/2022
Reported:	03/09/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 4 0-1' R (H220895-04)

BTEX 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.20	0.500	03/09/2022	ND	2.04	102	2.00	5.38	
Toluene*	58.1	0.500	03/09/2022	ND	2.04	102	2.00	4.53	
Ethylbenzene*	25.9	0.500	03/09/2022	ND	2.05	102	2.00	5.17	
Total Xylenes*	169	1.50	03/09/2022	ND	6.30	105	6.00	5.37	
Total BTEX	257	3.00	03/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 193 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/08/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	6290	100	03/09/2022	ND	223	112	200	1.46	
DRO >C10-C28*	12100	100	03/09/2022	ND	185	92.6	200	0.611	
EXT DRO >C28-C36	1580	100	03/09/2022	ND					

Surrogate: 1-Chlorooctane 608 % 66.9-136

Surrogate: 1-Chlorooctadecane 452 % 59.5-142

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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:	03/07/2022	Sampling Date:	03/03/2022
Reported:	03/09/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: BG - 1 0' (H220895-05)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.157	0.050	03/08/2022	ND	2.04	102	2.00	5.38	
Toluene*	0.572	0.050	03/08/2022	ND	2.04	102	2.00	4.53	
Ethylbenzene*	0.082	0.050	03/08/2022	ND	2.05	102	2.00	5.17	
Total Xylenes*	0.371	0.150	03/08/2022	ND	6.30	105	6.00	5.37	
Total BTEX	1.18	0.300	03/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	03/08/2022	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*	16.4	10.0	03/09/2022	ND	223	112	200	1.46	
DRO >C10-C28*	15.0	10.0	03/09/2022	ND	185	92.6	200	0.611	
EXT DRO >C28-C36	11.2	10.0	03/09/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.4 % 59.5-142

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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:	03/07/2022	Sampling Date:	03/03/2022
Reported:	03/09/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: BG - 2 0' (H220895-06)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.104	0.050	03/08/2022	ND	2.04	102	2.00	5.38	
Toluene*	0.541	0.050	03/08/2022	ND	2.04	102	2.00	4.53	
Ethylbenzene*	0.086	0.050	03/08/2022	ND	2.05	102	2.00	5.17	
Total Xylenes*	0.347	0.150	03/08/2022	ND	6.30	105	6.00	5.37	
Total BTEX	1.08	0.300	03/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	<16.0	16.0	03/08/2022	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*	16.4	10.0	03/08/2022	ND	223	112	200	1.46	
DRO >C10-C28*	<10.0	10.0	03/08/2022	ND	185	92.6	200	0.611	
EXT DRO >C28-C36	<10.0	10.0	03/08/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.5 % 59.5-142

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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

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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		BILL TO		ANALYSIS REQUEST	
Project Manager: R. Pons		P.O. #:			
Address: 408 W. Texas Ave		Company:			
City: Artesia		Attn:			
Phone #: 575.746.8768		Address:			
Fax #: 575.746.8768		City:			
Project #: 701162.115.01		State:			
Project Owner: Cimarex		Zip:			
Project Name: Parkway 17		Phone #:			
Project Location: Eddy County, NM		Fax #:			
Sampler Name: J. Carnes A. Parra					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME	Chlorides	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :							
AZ20895	S-1 0-1'R	G	1			X					X			3-3-22	11:00	X	X	X	
	S-2 0-1'R													11:15					
	S-3 0-1'R													11:30					
	S-4 0-1'R													11:45					
	BG-10'													12:30					
	BG-20'													12:40					

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Relinquished By: *[Signature]* Date: 3-7-22
 Received By: *[Signature]* Date: 3-7-22
 Time: 1:00 PM

Delivered By: (Circle One) *46c* C-05c
 Sampler - UPS - Bus - Other: *41c #113*

Sample Condition: Cool Intact
 Yes No

CHECKED BY: *[Signature]* (Initials)

REMARKS: *Encl results; j.carnes@talonlpe.com*

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:

2-Day Rush

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



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

June 22, 2022

REBECCA PONS
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: PARKWAY 17

Enclosed are the results of analyses for samples received by the laboratory on 06/17/22 15:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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 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:	06/17/2022	Sampling Date:	06/16/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 1 A 2' (H222611-01)

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	06/21/2022	ND	1.86	93.0	2.00	3.29	
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	64.0	16.0	06/21/2022	ND	416	104	400	3.92	

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	06/21/2022	ND	173	86.6	200	3.87	
DRO >C10-C28*	18.6	10.0	06/21/2022	ND	167	83.7	200	9.72	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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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:	06/17/2022	Sampling Date:	06/16/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 2 A 2' (H222611-02)

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	06/21/2022	ND	1.86	93.0	2.00	3.29	
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	96.0	16.0	06/21/2022	ND	416	104	400	3.92	

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	06/21/2022	ND	173	86.6	200	3.87	
DRO >C10-C28*	129	10.0	06/21/2022	ND	167	83.7	200	9.72	
EXT DRO >C28-C36	22.4	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Analytical Results For:

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

Received:	06/17/2022	Sampling Date:	06/16/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: SW - 1 2' (H222611-03)

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	06/21/2022	ND	1.86	93.0	2.00	3.29		
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	112	16.0	06/21/2022	ND	416	104	400	3.92		

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	06/21/2022	ND	173	86.6	200	3.87		
DRO >C10-C28*	30.5	10.0	06/21/2022	ND	167	83.7	200	9.72		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 94.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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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:	06/17/2022	Sampling Date:	06/16/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: SW - 2 2' (H222611-04)

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	06/21/2022	ND	1.86	93.0	2.00	3.29		
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	48.0	16.0	06/21/2022	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	06/21/2022	ND	173	86.6	200	3.87		
DRO >C10-C28*	13.6	10.0	06/21/2022	ND	167	83.7	200	9.72		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 97.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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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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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Talon LPE
 Address: 408 W. Texas Ave
 City: Artesia
 Phone #: 575.746.8768
 Project #: 701162.115.01
 Project Name: FALCONRY 17 STON
 Project Location: EDDY
 Sampler Name: ADPARKER

FOR LAB USE ONLY

Company: P.O. #:
 Attn: Company:
 Address: Address:
 City: City:
 State: State:
 Phone #: Phone #:
 Fax #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV/			
H222011	51A 2'		1							4/14	11:05	CL	
	52A 2'		1							4/14	12:05	BT	
	5W.1 2'		1							4/14	1:05	TPU	
	5W.2 2'		1							4/14	2:05		

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Relinquished By: [Signature]
 Date: 6-17-22
 Time: 15:44
 Received By: [Signature]
 Date: [Blank]
 Time: [Blank]

Delivered By: (Circle One) UPS 4.3c
 Bus 3.8c
 Other #113
 Sample Condition: Cool Intact Yes
 Checked By: [Signature]

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

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS: RESULTS TO: [Handwritten notes]



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

June 22, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PARKWAY 17

Enclosed are the results of analyses for samples received by the laboratory on 06/20/22 11:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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 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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 3 A 2' (H222623-01)

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	06/21/2022	ND	2.06	103	2.00	3.31	
Toluene*	<0.050	0.050	06/21/2022	ND	2.04	102	2.00	3.64	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	2.74	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.27	104	6.00	2.79	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	80.0	16.0	06/21/2022	ND	416	104	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	06/21/2022	ND	202	101	200	3.71	
DRO >C10-C28*	43.5	10.0	06/21/2022	ND	200	100	200	6.94	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 4 A 2' (H222623-02)

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	06/21/2022	ND	2.06	103	2.00	3.31	
Toluene*	<0.050	0.050	06/21/2022	ND	2.04	102	2.00	3.64	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	2.74	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.27	104	6.00	2.79	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/21/2022	ND	416	104	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	06/21/2022	ND	202	101	200	3.71	
DRO >C10-C28*	86.9	10.0	06/21/2022	ND	200	100	200	6.94	
EXT DRO >C28-C36	19.4	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 5 A 2' (H222623-03)

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	06/21/2022	ND	2.06	103	2.00	3.31	
Toluene*	<0.050	0.050	06/21/2022	ND	2.04	102	2.00	3.64	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	2.74	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.27	104	6.00	2.79	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	06/21/2022	ND	416	104	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	06/21/2022	ND	202	101	200	3.71	
DRO >C10-C28*	75.5	10.0	06/21/2022	ND	200	100	200	6.94	
EXT DRO >C28-C36	16.2	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 97.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 6 A 2' (H222623-04)

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	06/21/2022	ND	2.06	103	2.00	3.31	
Toluene*	<0.050	0.050	06/21/2022	ND	2.04	102	2.00	3.64	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	2.74	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.27	104	6.00	2.79	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	128	16.0	06/21/2022	ND	416	104	400	0.00	

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	06/21/2022	ND	181	90.5	200	0.859		
DRO >C10-C28*	1490	10.0	06/21/2022	ND	175	87.4	200	4.84		
EXT DRO >C28-C36	322	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 183 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 7 A 2' (H222623-05)

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	06/21/2022	ND	2.06	103	2.00	3.31	
Toluene*	<0.050	0.050	06/21/2022	ND	2.04	102	2.00	3.64	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	2.74	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.27	104	6.00	2.79	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	48.0	16.0	06/21/2022	ND	416	104	400	0.00	

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	06/22/2022	ND	181	90.5	200	0.859		
DRO >C10-C28*	34.7	10.0	06/22/2022	ND	175	87.4	200	4.84		
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND						

Surrogate: 1-Chlorooctane 128 % 66.9-136

Surrogate: 1-Chlorooctadecane 145 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: SW - 3 (H222623-06)

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	06/21/2022	ND	2.06	103	2.00	3.31		
Toluene*	<0.050	0.050	06/21/2022	ND	2.04	102	2.00	3.64		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	2.74		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.27	104	6.00	2.79		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	06/21/2022	ND	416	104	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	06/21/2022	ND	181	90.5	200	0.859		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	175	87.4	200	4.84		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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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:	06/20/2022	Sampling Date:	06/20/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: SW - 4 (H222623-07)

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	06/21/2022	ND	2.06	103	2.00	3.31	
Toluene*	<0.050	0.050	06/21/2022	ND	2.04	102	2.00	3.64	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	2.02	101	2.00	2.74	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	6.27	104	6.00	2.79	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/21/2022	ND	416	104	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	06/21/2022	ND	181	90.5	200	0.859	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	175	87.4	200	4.84	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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

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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
 Project Manager:
 Address: 408 W. Texas Ave
 City: Artesia State: NM Zip: 88210
 Phone #: 575.746.8768 Fax #:
 Project #: 701162.115.D1 Project Owner:
 Project Name: Redwood 17.5 Cor
 Project Location: KDNM
 Sampler Name: A. Davis
 FOR LAB USE ONLY

P.O. #:
 Company:
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H222623	3.3A 21								6.20	8:00	CL	
	3.4A 21									8:05	BTEX	
	3.5A 21									8:10	TPH	
	3.6A 21									8:15		
	3.7A 21									8:20		
	3.8A 21									8:25		
	3.9A 21									8:30		

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Relinquished By: [Signature]
 Date: 6/20/22
 Time: 1:35
 Received By: [Signature]
 Date: 6/20/22
 Time: 1:35

Delivered By: (Circle One) UPS - Bus - Other: A. Davis C.O.S. #113
 Sample Condition: Cool Intact Yes No No

Checked By: [Signature]

REMARKS: Results
 R. Davis Talon LPE, Inc.
 A. Davis Talon LPE, Inc.
 J. Carver Talon LPE, Inc.
 M. Carver Talon LPE, Inc.

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:

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



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

June 29, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PARKWAY 17

Enclosed are the results of analyses for samples received by the laboratory on 06/23/22 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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 style with a large, flowing "C" at the beginning.

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:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 2B 2' 5" (H222696-01)

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	06/25/2022	ND	1.97	98.4	2.00	7.17	
Toluene*	<0.050	0.050	06/25/2022	ND	1.95	97.5	2.00	6.84	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.89	94.5	2.00	6.94	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.85	97.5	6.00	7.04	
Total BTEX	<0.300	0.300	06/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	16.0	16.0	06/27/2022	ND	416	104	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	06/24/2022	ND	206	103	200	3.55	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	206	103	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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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:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 4B 2' 5" (H222696-02)

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	06/25/2022	ND	1.97	98.4	2.00	7.17	
Toluene*	<0.050	0.050	06/25/2022	ND	1.95	97.5	2.00	6.84	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.89	94.5	2.00	6.94	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.85	97.5	6.00	7.04	
Total BTEX	<0.300	0.300	06/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	16.0	16.0	06/27/2022	ND	416	104	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	06/24/2022	ND	206	103	200	3.55	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	206	103	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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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:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 6B 3' (H222696-03)

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	06/25/2022	ND	1.97	98.4	2.00	7.17	
Toluene*	<0.050	0.050	06/25/2022	ND	1.95	97.5	2.00	6.84	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.89	94.5	2.00	6.94	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.85	97.5	6.00	7.04	
Total BTEX	<0.300	0.300	06/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	06/27/2022	ND	416	104	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	06/24/2022	ND	206	103	200	3.55	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	206	103	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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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:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: SW - 1 2' (H222696-04)

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	06/25/2022	ND	1.97	98.4	2.00	7.17	
Toluene*	<0.050	0.050	06/25/2022	ND	1.95	97.5	2.00	6.84	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.89	94.5	2.00	6.94	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.85	97.5	6.00	7.04	
Total BTEX	<0.300	0.300	06/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	128	16.0	06/27/2022	ND	416	104	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	06/24/2022	ND	206	103	200	3.55	
DRO >C10-C28*	13.4	10.0	06/24/2022	ND	206	103	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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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:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: SW - 2 2' (H222696-05)

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	06/25/2022	ND	1.97	98.4	2.00	7.17		
Toluene*	<0.050	0.050	06/25/2022	ND	1.95	97.5	2.00	6.84		
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.89	94.5	2.00	6.94		
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.85	97.5	6.00	7.04		
Total BTEX	<0.300	0.300	06/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	06/27/2022	ND	416	104	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	06/23/2022	ND	232	116	200	12.7		
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	233	116	200	17.9		
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND						

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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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:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: SW - 3 2' (H222696-06)

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	06/25/2022	ND	1.97	98.4	2.00	7.17	
Toluene*	<0.050	0.050	06/25/2022	ND	1.95	97.5	2.00	6.84	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.89	94.5	2.00	6.94	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.85	97.5	6.00	7.04	
Total BTEX	<0.300	0.300	06/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	06/27/2022	ND	416	104	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	06/23/2022	ND	232	116	200	12.7	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	233	116	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

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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:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: SW - 4 2' (H222696-07)

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	06/25/2022	ND	1.97	98.4	2.00	7.17	
Toluene*	<0.050	0.050	06/25/2022	ND	1.95	97.5	2.00	6.84	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.89	94.5	2.00	6.94	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.85	97.5	6.00	7.04	
Total BTEX	<0.300	0.300	06/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	06/27/2022	ND	416	104	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	06/25/2022	ND	187	93.6	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	200	100	200	9.08	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 117 % 43-149

Surrogate: 1-Chlorooctadecane 141 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

June 29, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PARKWAY 17

Enclosed are the results of analyses for samples received by the laboratory on 06/27/22 12:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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".

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:	06/27/2022	Sampling Date:	06/24/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 8 A 2' (H222731-01)

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	06/28/2022	ND	2.20	110	2.00	1.46	
Toluene*	<0.050	0.050	06/28/2022	ND	2.19	110	2.00	1.85	
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.19	110	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.67	111	6.00	0.865	
Total BTEX	<0.300	0.300	06/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	06/28/2022	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	06/28/2022	ND	179	89.3	200	2.09	
DRO >C10-C28*	<10.0	10.0	06/28/2022	ND	169	84.7	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	06/28/2022	ND					

Surrogate: 1-Chlorooctane 79.4 % 43-149

Surrogate: 1-Chlorooctadecane 84.3 % 42.5-161

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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:	06/27/2022	Sampling Date:	06/24/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	PARKWAY 17	Sampling Condition:	Cool & Intact
Project Number:	701162.115.01	Sample Received By:	Shalyn Rodriguez
Project Location:	CIMAREX - EDDY CO NM		

Sample ID: S - 9 A 2' (H222731-02)

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	06/28/2022	ND	2.20	110	2.00	1.46	
Toluene*	<0.050	0.050	06/28/2022	ND	2.19	110	2.00	1.85	
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.19	110	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.67	111	6.00	0.865	
Total BTEX	<0.300	0.300	06/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	06/28/2022	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	06/28/2022	ND	179	89.3	200	2.09	
DRO >C10-C28*	<10.0	10.0	06/28/2022	ND	169	84.7	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	06/28/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 43-149

Surrogate: 1-Chlorooctadecane 80.5 % 42.5-161

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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

Cardinal Laboratories

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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
 Project Manager:
 Address: 408 W. Texas Ave
 City: Artesia State: NM Zip: 88210
 Phone #: 575.746.8768 Fax #:
 Project #: 701162.115.01 Project Owner:
 Project Name: *Rockaway R5 stop-Cu*
 Project Location: *EDD4*
 Sampler Name: *A. Prager*
 P.O. #:
 Company:
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
<i>7022731</i>	<i>58a.2i</i>	<i>1</i>	<i>1</i>								<i>4/24</i>	<i>1:00</i>	<i>CC</i>
	<i>59a.2i</i>	<i>1</i>	<i>1</i>								<i>4/24</i>	<i>1:15</i>	<i>BTX</i>
													<i>TPH</i>

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Relinquished By: *[Signature]* Date: *7/27* Time: *10:30*
 Received By: *[Signature]* Date: _____ Time: _____
 Relinquished By: _____ Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____

Delivered By: (Circle One) *32e* *0.5e* Sample Condition Cool Intact Yes No
 Sampler - UPS - Bus - Other: *2.7e #113* Yes No
 CHECKED BY: *[Signature]* (Initials)

† 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

COMMENTS

Action 126325

COMMENTS

Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701	OGRID: 162683
	Action Number: 126325
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
jharimon	Initial to Closure over the 90 days.	7/18/2022

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
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 1000 Rio Brazos Rd., Aztec, NM 87410
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 1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 126325

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701	OGRID: 162683
	Action Number: 126325
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2206234416 PARKWAY 17 STATE COM 4H-7H BATTERY, thank you. This closure is approved.	11/4/2022