



MCollier@H-R_Enterprises.com 575-909-0326

Site Assessment, Remediation, and Closure Report

Scoter 6-31 Federal Com 7H,43H,44H
Incident# nAPP2312868675
Eddy County, New Mexico

Prepared For:

Cimarex Energy Co.
6001 Deauville Blvd. Suite 300N
Midland, TX 79706

Prepared By:

H&R Enterprises, LLC
5120 W. Kansas St.
Hobbs, New Mexico 88242

August 31, 2023

Mr. Mike Bratcher

NMOCD

1220 S. St. Francis Dr.

Santa Fe, NM 87505

Subject: **Site Assessment, Remediation, and Closure Report**
Scoter 6-31 Federal Com 7H,43H,44H
Eddy County, NM

Dear Mr. Bratcher,

Cimarex Energy Co. has contracted H&R Enterprises (H&R) to perform site assessment and remediation services at the above-referenced location. The results of our site assessment and remediation activities are contained herein.

Site Information

The Scoter 6-31 Federal Com 7H,43H,44H is located approximately 15.6 miles South of Carlsbad, New Mexico. The legal location for this release is Unit Letter J, Section 6, Township 25 South and Range 27 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.155700 North and -104.227754 West. Site plans are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Reeves-Reagan Loams, 0 to 3 percent slopes. The referenced soil data is attached in [Appendix II](#). Drainage courses in this area are typically dry. The project site is located in a high Karst potential area (Karst Map, [Appendix I](#)).

Groundwater and Site Characterization

The New Mexico Office of the State Engineer web site indicates that the nearest reported depth to groundwater is 42-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data.

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

Approximate Depth to Groundwater	42 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within an unstable area
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain

As this is a remediation in a high karst area as well as being in an area with a depth to groundwater of less than 50-feet BGS, the closure criteria for this site is as follows:

Table I			
Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride **	EPA 300.0 or SM4500 CIB	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

On May 06, 2023, while pulling a load of produced water from a tank, a fill hose on a vacuum transport disconnected from the load valve. This resulted in the release of 7 barrels (bbls) of produced water onto the facility pad. A total of 0 bbls were recovered. All fluids stayed on the facility pad.

Site Assessment and Remediation Activities

H&R mobilized personnel to begin site assessment, sampling, and remediation activities of the location. Grab samples were obtained by way of air rotary drill within the release area, transported to Cardinal Laboratory for analysis, and the results of that analysis are presented in the following data table. Initial site assessment sampling locations are illustrated on Site Assessment Map, [Appendix I](#). Before and after photographs of the location are attached in [Appendix IV](#). Complete laboratory reports can be found in [Appendix V](#).

Table 1: Initial Soil Samples Analysis

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	100 mg/kg			100 mg/kg	600 mg/kg
BH-1	5/31/2023	0-1'	ND	ND	ND	ND	ND	0	752
		2'	ND	ND	ND	ND	ND	0	672
		3'	ND	ND	ND	ND	ND	0	736
		4'	ND	ND	ND	ND	ND	0	80
BH-2	5/31/2023	0-1'	ND	ND	ND	ND	ND	0	672
		2'	ND	ND	ND	ND	ND	0	80
		3'	ND	ND	ND	ND	ND	0	64
		4'	ND	ND	ND	ND	ND	0	64
BH-3	5/31/2023	0-1'	ND	ND	ND	ND	ND	0	112
		2'	ND	ND	ND	ND	ND	0	48
		3'	ND	ND	ND	ND	ND	0	48
		4'	ND	ND	ND	ND	ND	0	64
H-1	5/31/2023	0-1'	ND	ND	ND	ND	ND	0	48
H-2	5/31/2023	0-1'	ND	ND	ND	ND	ND	0	48
H-3	5/31/2023	0-1'	ND	ND	ND	ND	ND	0	32
H-4	5/31/2023	0-1'	ND	ND	ND	ND	ND	0	48
H-5	5/31/2023	0-1'	ND	ND	ND	ND	ND	0	ND

ND = Analyte Not Detected BH = Vertical Bore Hole Sample Point H = Horizontal Sample Point

Remediation Activities

Based on the results of our site assessment and upon client authorization, excavation activities of the impacted area commenced. Composite confirmation samples were collected to confirm that NMOCD closure criteria had been met, transported to Cardinal Laboratory for analysis, and the results of that analysis can be found in the following data table. Composite confirmation sample locations and excavation dimensions can be found on Confirmation Sample Map in [Appendix I](#). Complete laboratory reports are attached in [Appendix V](#).

Table 2: Confirmation Soil Sample Analysis

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	100 mg/kg			100 mg/kg	600 mg/kg
S-1	8/17/2023	4'	ND	ND	ND	ND	ND	0	80
S-2	8/17/2023	4'	ND	ND	ND	ND	ND	0	32
S-3	8/17/2023	4'	ND	ND	ND	ND	ND	0	48
S-4	8/17/2023	2'	ND	ND	ND	ND	ND	0	64
S-5	8/17/2023	2'	ND	ND	ND	ND	ND	0	48
S-6	8/17/2023	2'	ND	ND	ND	ND	ND	0	64
SW-1	8/17/2023	4'	ND	ND	ND	ND	ND	0	240
SW-2	8/17/2023	4'	ND	ND	ND	ND	ND	0	48
SW-3	8/17/2023	4'	ND	ND	ND	ND	ND	0	48
SW-4	8/17/2023	4'	ND	ND	ND	ND	ND	0	208
SW-5	8/17/2023	2'	ND	ND	ND	ND	ND	0	48
SW-6	8/17/2023	2'	ND	ND	ND	ND	ND	0	192
SW-7	8/17/2023	2'	ND	ND	ND	ND	ND	0	48
ND = Analyte Not Detected S = Bottom Composite Sample SW = Sidewall Composite Sample									

Remedial Actions

- The impacted area in the vicinity of sample points BH-1 was excavated to a total depth of 4-feet BGS.
- The impacted area in the vicinity of sample point BH-2 was excavated to 2-feet BGS.
- Composite confirmation samples were obtained from the sidewalls and bottom of the excavated area to verify that all contaminants above closure criteria had been removed.
- All the excavated material (approximately 140yds) was hauled to Lea Land, a NMOCD approved solid waste disposal facility.
- The excavated area on the well pad were backfilled with new caliche at depth and brought to grade, machine compacted and contoured to match the surrounding location.
- The Final C-141 formally documenting the remedial actions is attached in [Appendix III](#).

Closure

Based on the site assessment, remedial actions, and confirmation sampling results completed for this project, on behalf of Cimarex Energy Co. we request that no further actions be required, and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-909-0326.

Respectfully submitted,

H&R Enterprises, LLC



Michael Collier
Environmental Project Manager

Attachments:

- Appendix I Site Maps
- Appendix II Soil Survey, Groundwater Data, FEMA Flood Zone
- Appendix III Initial and Final C-141
- Appendix IV Photographic Documentation
- Appendix V Laboratory Reports

APPENDIX I

SITE MAPS

KARST MAP

TOPOGRAPHIC MAP

LOCATOR MAP

Scoter 6-31 Federal Com 7H,43H,44H

Cimarex Energy Co.
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Site Assessment Map

Legend




- Horizontal Sample Point
- Initial Release Area
- Vertical Bore Hole Sample Point



Scoter 6-31 Federal Com 7H,43H,44H

Cimarex Energy Co.
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Eddy County, NM
Confirmation Sample Map

Legend


-  2ft. Excavation
-  4ft. Excavation
-  Composite Confirmation Sample



Scoter 6-31 Federal Com 7H,43H,44H

Cimarex Energy Co.
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Eddy County, NM
Karst Map

Legend

 Scoter 6-31 Federal Com 7H,43H,44H CTB

Whites City

Scoter 6-31 Federal Com 7H,43H,44H

Malaga

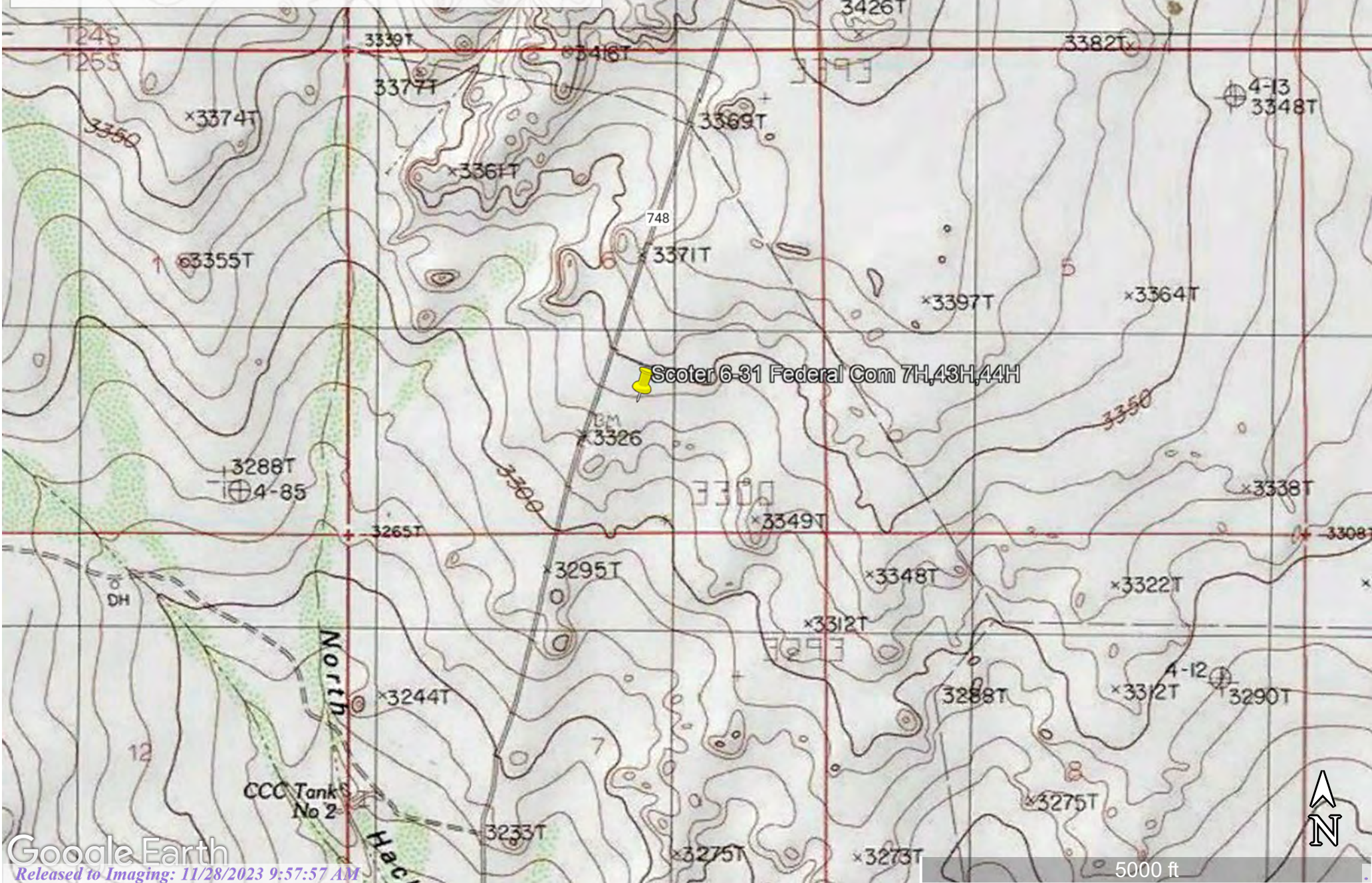
Loving

Google Earth



Cimarex Energy Co.
Incident# nAPP2312868675
Eddy County, NM
Topographic Map


📌 Scoter 6-31 Federal Com 7H,43H,44H CTB

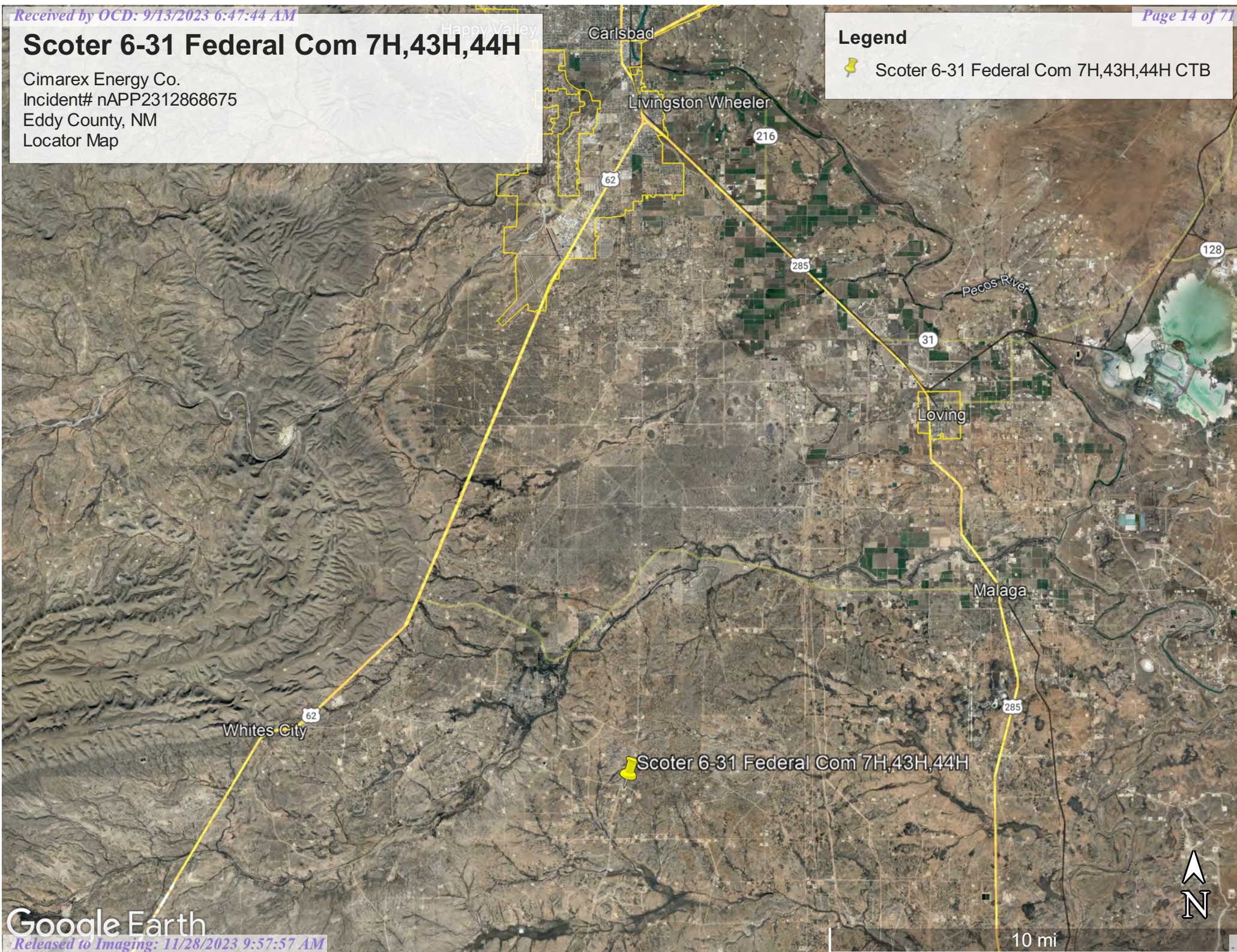


Scoter 6-31 Federal Com 7H,43H,44H

Cimarex Energy Co.
Incident# nAPP2312868675
Eddy County, NM
Locator Map

Legend

 Scoter 6-31 Federal Com 7H,43H,44H CTB



APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_00819		C	ED	4	4	26	24S	26E	570022	3560935*	<input type="checkbox"/>	4083	62	42	20
C_01841		C	ED		1	29	24S	27E	573806	3561953*	<input type="checkbox"/>	4115	150		
C_03261 POD1		CUB	ED	3	2	1	20	25S	27E	574007	3554006*	<input type="checkbox"/>	4127	351	
C_03569 POD1		CUB	ED	2	1	1	14	25S	26E	568862	3555746	<input type="checkbox"/>	4531	30	0
C_04586 POD1		C	ED	4	1	1	35	24S	26E	568993	3560476	<input type="checkbox"/>	4578	150	
C_03654 POD1		CUB	ED	2	3	1	24	25S	26E	570654	3553773	<input type="checkbox"/>	4710		
C_03200 POD1		C	ED	2	3	4	34	24S	26E	568206	3559349	<input type="checkbox"/>	4816	80	52

Average Depth to Water: **31 feet**

Minimum Depth: **0 feet**

Maximum Depth: **52 feet**

Record Count: 7

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 572817

Northing (Y): 3557958

Radius: 5000

*UTM location was derived from PLSS - see Help

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.

8/31/23 9:09 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Map Unit Description: Reeves-Reagan loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RM—Reeves-Reagan loams, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5g

Elevation: 1,100 to 4,400 feet

Mean annual precipitation: 7 to 25 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 50 percent

Reagan and similar soils: 35 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills

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

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): 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: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Map Unit Description: Reeves-Reagan loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Description of Reagan**Setting**

Landform: Fan remnants, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 30 inches: loam

H3 - 30 to 82 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 50 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 15.0

Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components**Gypsum land**

Percent of map unit: 5 percent

Hydric soil rating: No

Upton

Percent of map unit: 5 percent

Ecological site: R070BC025NM - Shallow

Map Unit Description: Reeves-Reagan loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BB006NM - Gyp Upland

Hydric soil rating: No

Data Source Information

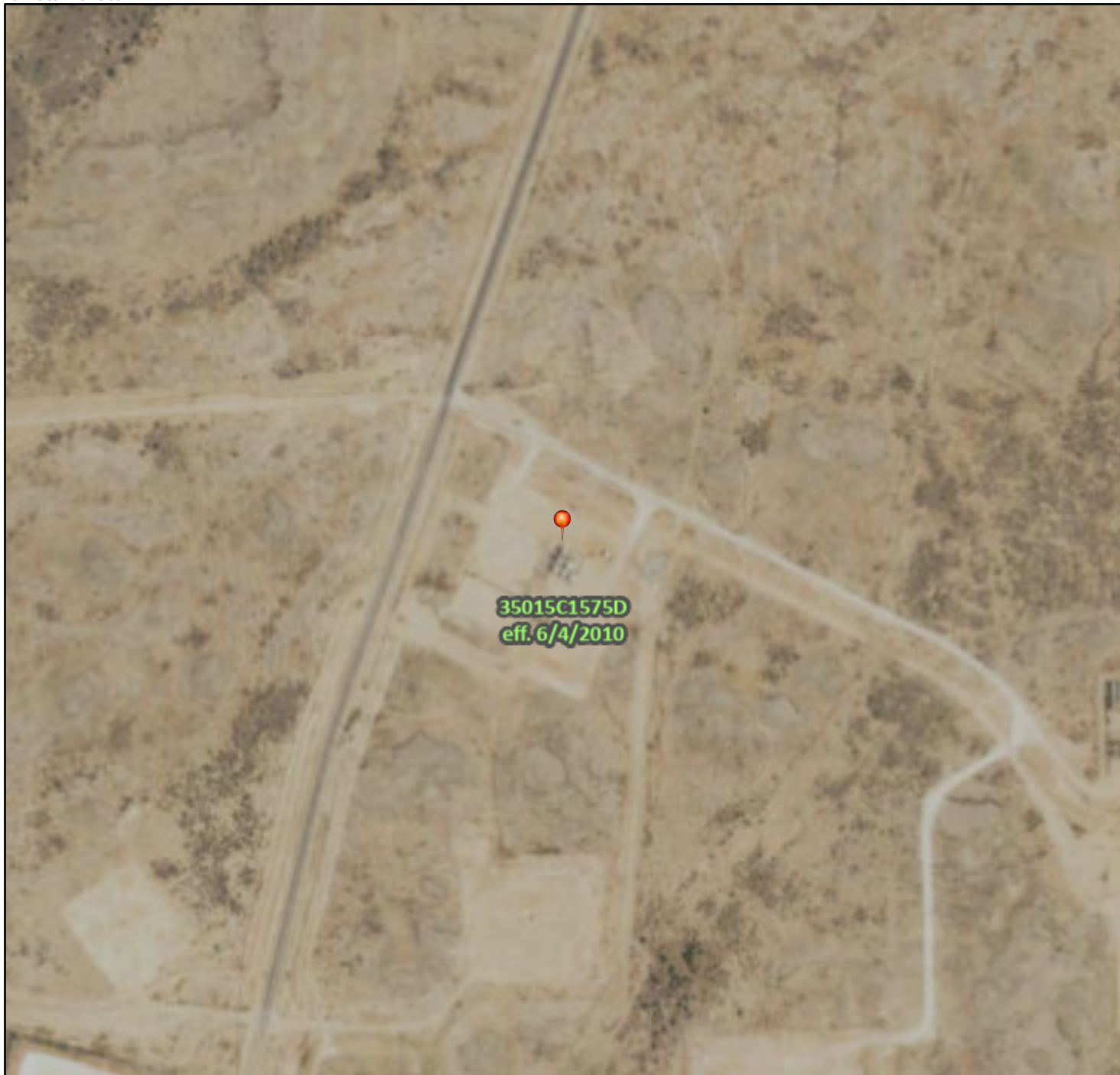
Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette



104°13'59"W 32°9'36"N



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

1:6,000

104°13'21"W 32°9'5"N

Released to Imaging: 11/28/2023 9:57:57 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance 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
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/31/2023 at 11:12 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

APPENDIX III

INITIAL C-141

FINAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2312868675
District RP	
Facility ID	fAPP2127341529
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # (assigned by OCD) nAPP2312868675
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.155700 _____ Longitude -104.227754 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Scoter 6-31 Federal Com 7H,43H,44H	Site Type: Battery
Date Release Discovered: 5/6/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
J	6	25S	27E	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 7	Volume Recovered (bbls) 0
	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: Human Error

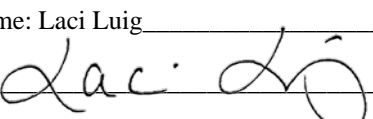
While pulling a load of produced water from a tank, the fill hose on a vacuum transport disconnected from the load valve. This resulted in 7 barrels of produced water being released onto the facility pad, 0 barrels were recovered. All fluids remained on the facility pad. The spill is scheduled to be remediated in the coming weeks.

Incident ID	nAPP2312868675
District RP	
Facility ID	fAPP2127341529
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Laci Luig_____	Title: ESH Specialist_____
Signature:  _____	Date: 5/8/2023_____
email: laci.luig@coterra.com_____	Telephone: (432) 208-3035_____
<u>OCD Only</u> Received by: <u>Scott Rodgers</u> Date: <u>09/13/2023</u>	

Incident ID	
District RP	
Facility ID	fAPP2127341529
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input 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	
District RP	
Facility ID	fAPP2127341529
Application ID	

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

Printed Name: _____ Title: _____

Signature: *Scott Rodgers* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Scott Rodgers Date: 09/13/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: *Scott Rodgers* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Scott Rodgers Date: 09/13/2023

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

Closure Approved by: *Ashley Maxwell* Date: 11/28/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

From: [Laci Luig](#)
To: [NMOCD Spill Notifications](#); [BLM Spill Notifications](#)
Cc: [Jim Hawley](#); [Michael Collier](#)
Subject: nAPP2312868675 Scoter 6-31 Federal Com CTB sample notification
Date: Tuesday, August 15, 2023 1:09:09 PM

Good afternoon,

This email serves as notification for confirmation sampling on the Scoter 6-31 Federal Com CTB. Sampling is scheduled to begin as early as Friday, August 18th, weather and soil conditions permitting. H&R Enterprises will be onsite to collect the confirmation samples.

Thank you,



Laci Luig | Environmental, Health & Safety Specialist
T: 432.571.7810 | M: 432.208.3035 | laci.luig@coterra.com | www.coterra.com
Coterra Energy Inc. | 6001 Deauville Blvd., Suite 300N | Midland, TX 79706

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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APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

SITE ASSESSMENT PHOTOGRAPHS



BH-1



BH-2

PHOTOGRAPHIC DOCUMENTATION

SITE ASSESSMENT/EXCAVATION PHOTOGRAPHS**BH-3****2-4FT EXCAVATION**

PHOTOGRAPHIC DOCUMENTATION

FINAL PHOTOGRAPHS



APPENDIX V

LABORATORY REPORTS



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

June 07, 2023

MICHAEL COLLIER

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: SCOTER 6-31 7H,43H,44H BATTERY (S6-3)

Enclosed are the results of analyses for samples received by the laboratory on 06/02/23 15:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 1 0-1' (H232815-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2023	ND	1.95	97.6	2.00	3.68	
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37	
Total BTX	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	224	112	200	19.6	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	192	96.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 1 2' (H232815-02)

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	06/06/2023	ND	1.95	97.6	2.00	3.68		
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	224	112	200	19.6	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	192	96.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 1 3' (H232815-03)

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	06/06/2023	ND	1.95	97.6	2.00	3.68		
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	224	112	200	19.6	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	192	96.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 1 4' (H232815-04)

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	06/06/2023	ND	1.95	97.6	2.00	3.68		
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37		
Total BTEX	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 2 0-1' (H232815-05)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.95	97.6	2.00	3.68		
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37		
Total BTX	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 2 2' (H232815-06)

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	06/06/2023	ND	1.95	97.6	2.00	3.68	
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37	
Total BTEX	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 2 3' (H232815-07)

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	06/06/2023	ND	1.95	97.6	2.00	3.68	
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37	
Total BTEX	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 2 4' (H232815-08)

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	06/06/2023	ND	1.95	97.6	2.00	3.68	
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37	
Total BTEx	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 3 0-1' (H232815-09)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2023	ND	1.95	97.6	2.00	3.68		
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37		
Total BTX	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 3 2' (H232815-10)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2023	ND	1.95	97.6	2.00	3.68	
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37	
Total BTX	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 3 3' (H232815-11)

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	06/06/2023	ND	1.95	97.6	2.00	3.68		
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37		
Total BTEX	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: BH - 3 4' (H232815-12)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2023	ND	1.95	97.6	2.00	3.68	
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37	
Total BTX	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: H - 1 0-1' (H232815-13)

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	06/06/2023	ND	1.95	97.6	2.00	3.68		
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: H - 2 0-1' (H232815-14)

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	06/06/2023	ND	1.95	97.6	2.00	3.68		
Toluene*	<0.050	0.050	06/06/2023	ND	2.01	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	1.95	97.7	2.00	6.09		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.04	101	6.00	5.37		
Total BTEx	<0.300	0.300	06/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: H - 3 0-1' (H232815-15)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2023	ND	1.92	95.9	2.00	2.12		
Toluene*	<0.050	0.050	06/05/2023	ND	1.98	99.0	2.00	2.51		
Ethylbenzene*	<0.050	0.050	06/05/2023	ND	2.03	101	2.00	1.18		
Total Xylenes*	<0.150	0.150	06/05/2023	ND	5.99	99.8	6.00	0.595		
Total BTX	<0.300	0.300	06/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

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	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: H - 4 0-1' (H232815-16)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2023	ND	1.92	95.9	2.00	2.12		
Toluene*	<0.050	0.050	06/05/2023	ND	1.98	99.0	2.00	2.51		
Ethylbenzene*	<0.050	0.050	06/05/2023	ND	2.03	101	2.00	1.18		
Total Xylenes*	<0.150	0.150	06/05/2023	ND	5.99	99.8	6.00	0.595		
Total BTX	<0.300	0.300	06/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/05/2023	ND	400	100	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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	06/02/2023	Sampling Date:	05/31/2023
Reported:	06/07/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (S6-	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: H - 5 0-1' (H232815-17)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2023	ND	1.92	95.9	2.00	2.12		
Toluene*	<0.050	0.050	06/05/2023	ND	1.98	99.0	2.00	2.51		
Ethylbenzene*	<0.050	0.050	06/05/2023	ND	2.03	101	2.00	1.18		
Total Xylenes*	<0.150	0.150	06/05/2023	ND	5.99	99.8	6.00	0.595		
Total BTX	<0.300	0.300	06/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-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	06/05/2023	ND	400	100	400	4.08		

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	06/05/2023	ND	171	85.6	200	20.8	
DRO >C10-C28*	<10.0	10.0	06/05/2023	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

August 23, 2023

MICHAEL COLLIER
H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS, NM 88240

RE: SCOTER 6-31 7H,43H,44H BATTERY (SCOTER)

Enclosed are the results of analyses for samples received by the laboratory on 08/18/23 9:12.

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

Cardinal Laboratories is 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, stylized 'C' and 'K'.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: S - 1 4' (H234484-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	1.87	93.5	2.00	3.38	
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59	
Total BTX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/21/2023	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	08/21/2023	ND	162	81.2	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: S - 2 4' (H234484-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2023	ND	1.87	93.5	2.00	3.38		
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59		
Total BTEx	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	08/21/2023	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	08/21/2023	ND	162	81.2	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: S - 3 4' (H234484-03)

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	08/21/2023	ND	1.87	93.5	2.00	3.38		
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59		
Total BTEX	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/21/2023	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	08/21/2023	ND	162	81.2	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: S - 4 2' (H234484-04)

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	08/21/2023	ND	1.87	93.5	2.00	3.38	
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59	
Total BTEX	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/21/2023	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	08/21/2023	ND	162	81.2	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: S - 5 2' (H234484-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2023	ND	1.87	93.5	2.00	3.38	
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59	
Total BTEx	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/21/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	162	81.2	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: S - 6 2' (H234484-06)

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	08/21/2023	ND	1.87	93.5	2.00	3.38	
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06	
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86	
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59	
Total BTEx	<0.300	0.300	08/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/21/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	162	81.2	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: SW - 1 4' (H234484-07)

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	08/21/2023	ND	1.87	93.5	2.00	3.38		
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59		
Total BTEX	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/21/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	162	81.2	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: SW - 2 4' (H234484-08)

BTEx 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2023	ND	1.87	93.5	2.00	3.38		
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59		
Total BTEX	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/21/2023	ND	448	112	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	162	81.2	200	3.11		
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54		
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND						

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: SW - 3 4' (H234484-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2023	ND	1.87	93.5	2.00	3.38		
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59		
Total BTEX	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/21/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	162	81.2	200	3.11		
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54		
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND						

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: SW - 4 4' (H234484-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2023	ND	1.87	93.5	2.00	3.38		
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59		
Total BTEX	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/21/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	162	81.2	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	165	82.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: SW - 5 2' (H234484-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2023	ND	1.87	93.5	2.00	3.38		
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59		
Total BTEX	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/21/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	168	83.8	200	7.09	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	155	77.5	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: SW - 6 2' (H234484-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2023	ND	1.87	93.5	2.00	3.38		
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59		
Total BTEx	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/21/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	168	83.8	200	7.09	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	155	77.5	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/23/2023	Sampling Type:	Soil
Project Name:	SCOTER 6-31 7H,43H,44H BATTERY (SC)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY COUNTY		

Sample ID: SW - 7 2' (H234484-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2023	ND	1.87	93.5	2.00	3.38		
Toluene*	<0.050	0.050	08/21/2023	ND	1.87	93.3	2.00	2.06		
Ethylbenzene*	<0.050	0.050	08/21/2023	ND	1.97	98.7	2.00	1.86		
Total Xylenes*	<0.150	0.150	08/21/2023	ND	5.88	98.0	6.00	1.59		
Total BTEX	<0.300	0.300	08/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/21/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	168	83.8	200	7.09	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	155	77.5	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

District II
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Phone:(505) 334-6178 Fax:(505) 334-6170

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

CONDITIONS

Action 264679

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 264679
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	11/28/2023