



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

Remediation and Closure Report

Southern California 29 Federal SWD Line
Incident# nAPP2332872331
Eddy County, New Mexico

Prepared For:

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

Prepared By:

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

January 8, 2024

Mr. Mike Bratcher
NMOCD
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Subject: **Remediation and Closure Report**
Southern California 29 Federal SWD Line
Eddy County, NM

Dear Mr. Bratcher,

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

Site Information

The Southern California 29 Federal SWD Line is located approximately 30.8 miles East of Carlsbad, New Mexico. The legal location for this release is Unit Letter E, Section 36, Township 19 South and Range 31 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.619790 North and -103.830439 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 Wink loamy fine sand, 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 not 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 130-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 **130 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

Due to water data not being within the recommended 0.5-mile radius, an exploratory water bore was drilled 0.27-miles southwest of the release to a total depth of 65-feet BGS. See [Appendix II](#) for the Water Bore Map and Soil Bore Log. As no groundwater was present the day of drilling nor 72-hours after drilling, 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**
51-100 feet	Chloride **	EPA 300.0 or SM4500 CIB	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 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 November 24, 2023, a hole was discovered on a surface poly line. After investigating it appears the line was struck by a bullet. This caused the release of a total of 219 barrels (bbls) of produced water along a two-track road. A total of 70 bbls of produced water were recovered.

Delineation and Remediation Activities

H&R mobilized personnel to begin delineation sampling and remediation activities of the release area. Delineation grab samples were obtained by way of test trenching the release area. Samples collected for delineation were transported to Cardinal Laboratory for analysis, and the results of that analysis are presented in the following data table. Test trench sampling locations are illustrated on Test Trench Map, [Appendix I](#).

Table 1: Test Trench Delineation 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	1000 mg/kg		2500 mg/kg	2500 mg/kg	10,000 mg/kg
TT-1	12/28/2023	0-11'	ND	ND	ND	ND	ND	0	10400
		2'	ND	ND	ND	ND	ND	0	16
		3'	ND	ND	ND	ND	ND	0	16
		4'	ND	ND	ND	ND	ND	0	16
TT-2	12/28/2023	0-1'	ND	ND	ND	ND	ND	0	14800
		2'	ND	ND	ND	ND	ND	0	13000
		3'	ND	ND	ND	ND	ND	0	22000
		4'	ND	ND	ND	ND	ND	0	15400
		6'	ND	ND	ND	ND	ND	0	12200
		8'	ND	ND	ND	ND	ND	0	5680
		10'	ND	ND	ND	ND	ND	0	5760
		12'	ND	ND	ND	ND	ND	0	5440
		14'	ND	ND	ND	ND	ND	0	2120
		16'	ND	ND	ND	ND	ND	0	4800
TT-3	12/28/2023	0-1'	ND	ND	ND	ND	ND	0	224
		2'	ND	ND	ND	ND	ND	0	208
		3'	ND	ND	ND	ND	ND	0	192
		4'	ND	ND	ND	ND	ND	0	208

ND = Analyte Not Detected TT = Test Trench

Based on the results of our test trench samples and upon client authorization, excavation activities of the impacted area commenced. Composite confirmation samples were collected every 200-square foot to confirm that NMOCD closure criteria had been met, the results of which 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](#). Photographic documentation of each activity can be found in [Appendix IV](#). 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	1000 mg/kg		2500 mg/kg	2500 mg/kg	10,000 mg/kg
S-1	12/29/2023	2'	ND	ND	ND	ND	ND	0	16
S-2	12/29/2023	4'	ND	ND	ND	ND	ND	0	5520
S-3	12/29/2023	4'	ND	ND	ND	ND	ND	0	6800
S-4	12/29/2023	4'	ND	ND	ND	ND	ND	0	6200
S-5	12/29/2023	4'	ND	ND	ND	ND	ND	0	6800
S-6	12/29/2023	4'	ND	ND	ND	ND	ND	0	6640
S-7	12/29/2023	4'	ND	ND	ND	ND	ND	0	7120
S-8	12/29/2023	4'	ND	ND	ND	ND	ND	0	2800
S-9	12/29/2023	4'	ND	ND	ND	ND	ND	0	6080
S-10	12/29/2023	4'	ND	ND	ND	ND	ND	0	4080
S-11	12/29/2023	4'	ND	ND	ND	ND	ND	0	576
SW-1	12/29/2023	2'	ND	ND	ND	ND	ND	0	16
SW-2	12/29/2023	2'	ND	ND	ND	ND	ND	0	16
SW-3	12/29/2023	2-4'	ND	ND	ND	ND	ND	0	16
SW-4	12/29/2023	4'	ND	ND	ND	ND	ND	0	16
SW-5	12/29/2023	4'	ND	ND	ND	ND	ND	0	16
SW-6	12/29/2023	4'	ND	ND	ND	ND	ND	0	16
SW-7	12/29/2023	4'	ND	ND	ND	ND	ND	0	ND
SW-8	12/29/2023	4'	ND	ND	ND	ND	ND	0	ND
SW-9	12/29/2023	4'	ND	ND	ND	ND	ND	0	ND
SW-10	12/29/2023	4'	ND	ND	ND	ND	ND	0	ND
SW-11	12/29/2023	4'	ND	ND	ND	ND	ND	0	ND

ND = Analyte Not Detected S = Bottom Composite Sample SW = Sidewall Composite Sample

Remedial Actions

- The impacted area near sample points S-1 was excavated to a total depth of 2-feet BGS.
- The impacted areas near sample points S-2 through S-11 were excavated to 4-feet BGS.
- Composite confirmation samples were obtained from the bottom and sidewalls of the excavated area to verify that all contaminants above closure criteria had been removed.
- All the excavated material (380yds) was hauled to Lea Land, a NMOCD approved solid waste disposal facility.
- The excavated area on two-track road were backfilled with clean, like topsoil at depth, 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 delineation, remedial actions and confirmation sampling results completed for this project, on behalf of Cimarex Energy Co. of Colorado 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

Michael Collier
Environmental Project Manager

Attachments:

Appendix I Site Maps

Appendix II Soil Survey, Groundwater Data, FEMA Flood Zone, Water Bore Map, Soil Bore Log

Appendix III Initial and Final C-141

Appendix IV Photographic Documentation

Appendix V Laboratory Reports

APPENDIX I

SITE MAPS

KARST MAP

TOPOGRAPHIC MAP

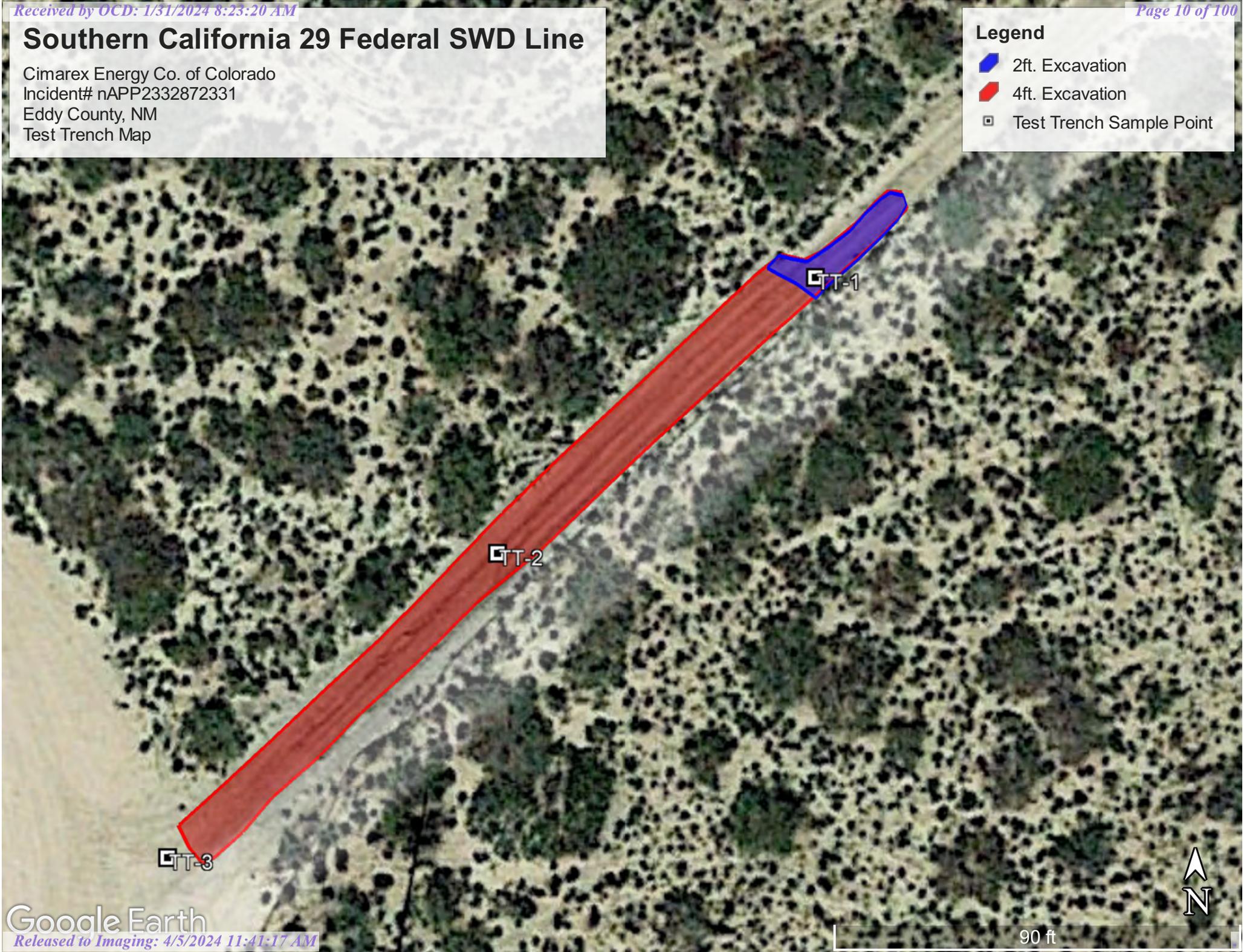
LOCATOR MAP

Southern California 29 Federal SWD Line

Cimarex Energy Co. of Colorado
Incident# nAPP2332872331
Eddy County, NM
Test Trench Map

Legend

-  2ft. Excavation
-  4ft. Excavation
-  Test Trench Sample Point



90 ft

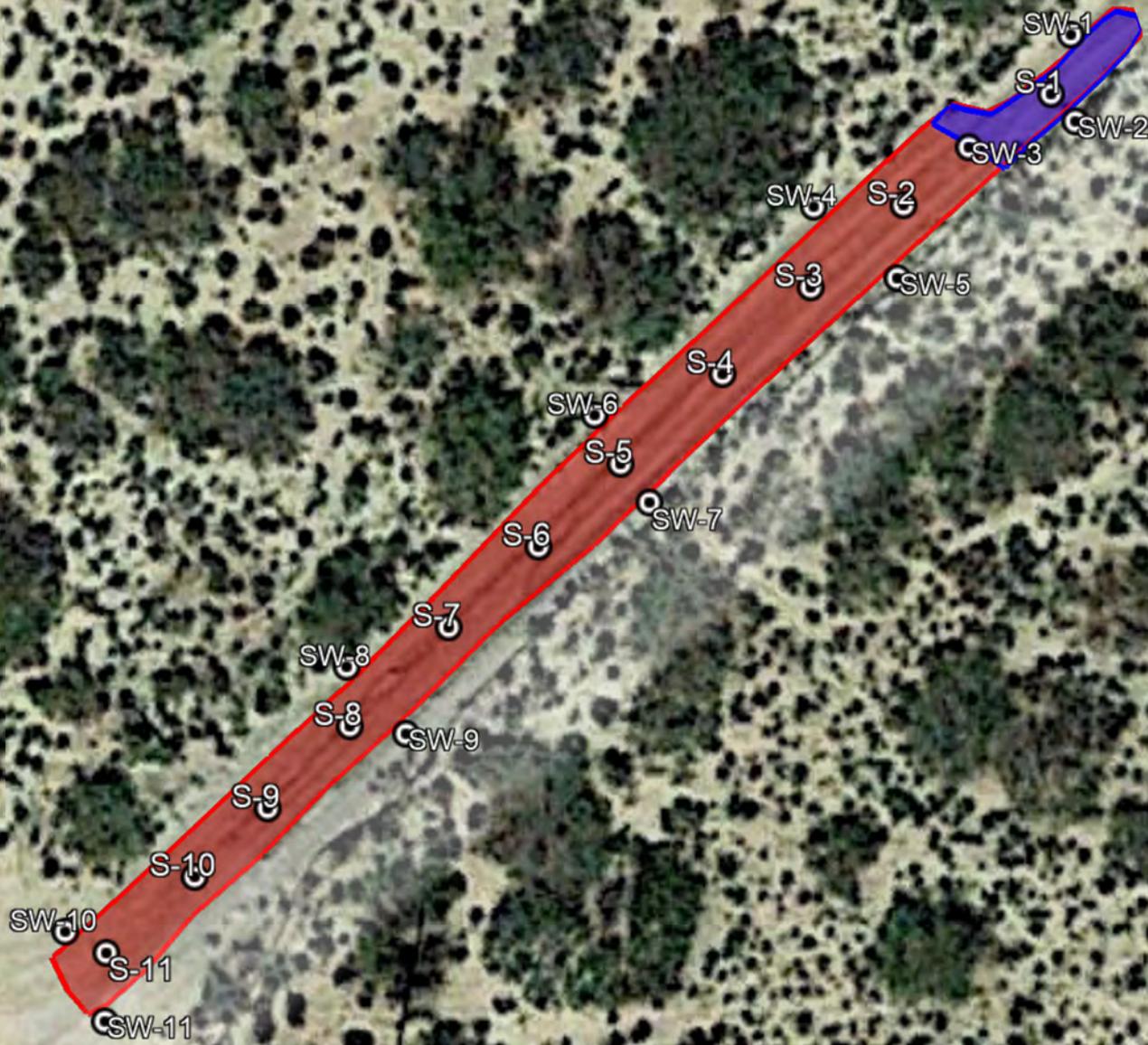


Southern California 29 Federal SWD Line

Cimarex Energy Co. of Colorado
Incident# nAPP2332872331
Eddy County, NM
Confirmation Sample Map

Legend

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



90 ft

Southern California 29 Federal SWD Line

Cimarex Energy Co. of Colorado
Incident# nAPP2332872331
Eddy County, NM
Karst Map

Legend

-  High
-  Low
-  Medium
-  Southern Cali 29 SWD



Google Earth

4 mi

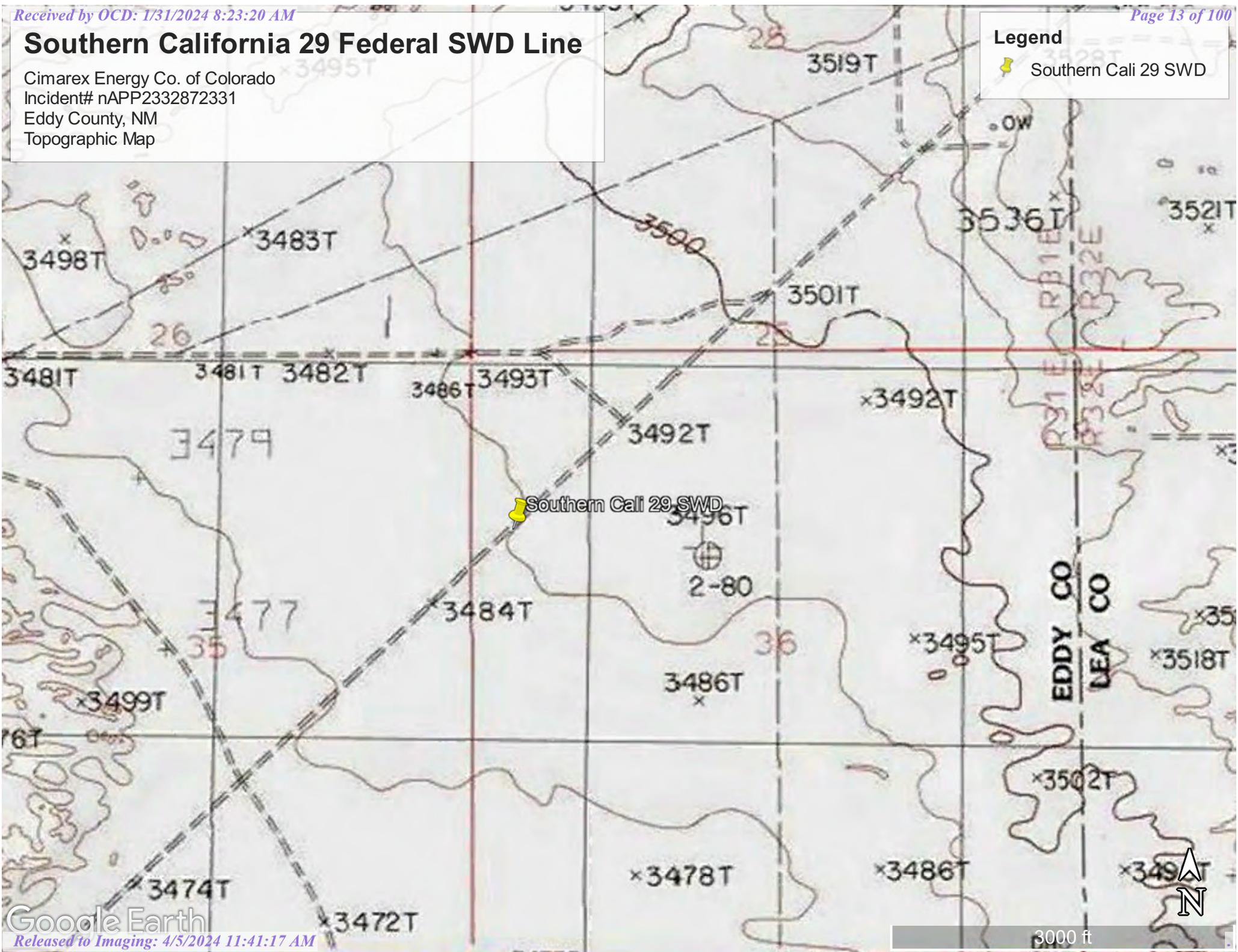


Southern California 29 Federal SWD Line

Cimarex Energy Co. of Colorado
Incident# nAPP2332872331
Eddy County, NM
Topographic Map

Legend

-  Southern Cali 29 SWD



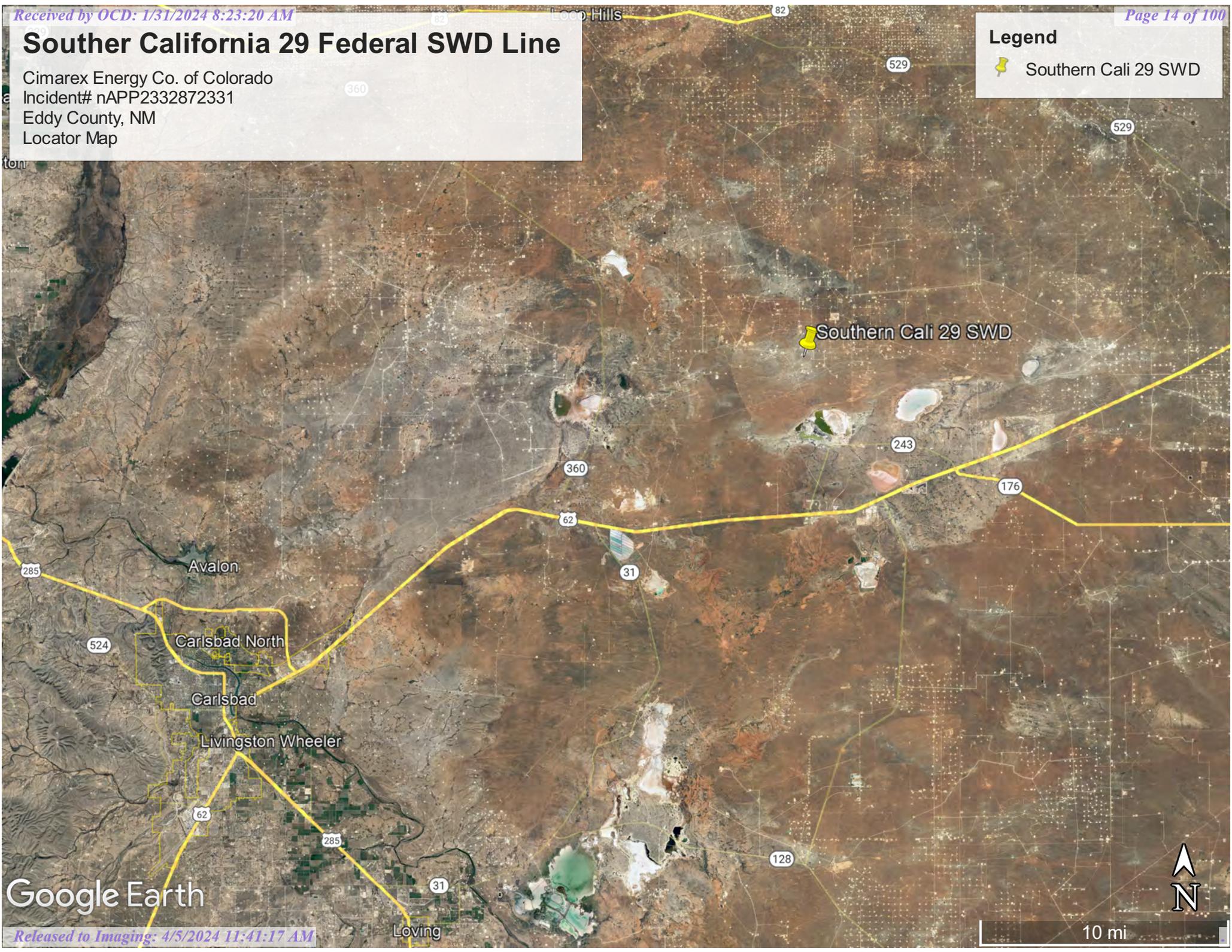
3000 ft

Souther California 29 Federal SWD Line

Cimarex Energy Co. of Colorado
Incident# nAPP2332872331
Eddy County, NM
Locator Map

Legend

-  Southern Cali 29 SWD



Google Earth

10 mi



APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE

WATER BORE MAP

SOIL BORE LOG



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
CP 00641 POD1		CP	ED	4	1	36	19S	31E	610247	3609634*	<input type="checkbox"/>	521	300	130	170
CP 01939 POD1		CP	ED	2	4	26	19S	31E	609488	3611347	<input type="checkbox"/>	1610			
CP 00642 POD1		CP	ED	2	2	25	19S	31E	611025	3611657*	<input type="checkbox"/>	2293	250		
CP 01864 POD1		CP	ED	4	2	34	19S	31E	607068	3609824	<input type="checkbox"/>	2673	110		

Average Depth to Water: **130 feet**
 Minimum Depth: **130 feet**
 Maximum Depth: **130 feet**

Record Count: 4

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 609740.53

Northing (Y): 3609757

Radius: 3000

*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.

1/8/24 1:06 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Map Unit Description: Wink loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Eddy Area, New Mexico

WK—Wink loamy fine sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w6c
Elevation: 2,700 to 5,000 feet
Mean annual precipitation: 5 to 14 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 250 days
Farmland classification: Not prime farmland

Map Unit Composition

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

Description of Wink

Setting

Landform: Swales, depressions
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 8 inches: loamy fine sand
H2 - 8 to 38 inches: fine sandy loam
H3 - 38 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A

Map Unit Description: Wink loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 1 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Wink

Percent of map unit: 1 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

National Flood Hazard Layer FIRMMette



103°50'8"W 32°37'26"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
		Area of Undetermined Flood Hazard <i>Zone D</i>

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
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/8/2024 at 3:09 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.



1:6,000

103°49'31"W 32°36'56"N

Southern California 29 Federal SWD Line

Cimarex Energy Co. of Colorado
Incident# nAPP2332872331
Eddy County, NM
Water Bore Map

Legend

-  0.27 miles
-  Exploratory Water Bore
-  Southern Cali 29 SWD



SOIL BORE LOG

Project:	Southern California 29 Federal SWD Line	Date:	December 28, 2023
Type:	Exploratory Water Bore	Location:	32.617247,-103.833589

Depth	Soil Type	Classification	Comments
0-5'	90%- Tan Sand 10%- Caliche		
10'	100%-Tan Sand		
15'	70%-Tan Sand 30%-Gravel		
20'	100%- Red Blow Sand		
25'	50%-Blow Sand 50%- Caliche		
30'	70%-Blow Sand 30%- Caliche		
35'	100%-Blow Sand		
40-65'	100%-Blow Sand		
			Total Depth-65' No Groundwater-12/28/23 No Groundwater-01/02/24

APPENDIX III

INITIAL C-141

FINAL C-141

NMOCD CORRESPONDENCE

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2332872331
District RP	
Facility ID	
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) nAPP2332872331
Contact mailing address: 6001 Deauville Blvd., Suite 300N Midland, TX 79706	

Location of Release Source

Latitude 32.619790 _____ Longitude -103.830439 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Southern California 29 Federal SWD line	Site Type: ROW
Date Release Discovered: 11/24/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
E	36	19S	31E	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) 219	Volume Recovered (bbls) 70
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Vandalism

Upon arrival, a hole was found in the surface poly line. After investigation, it appears the line was struck by a bullet. The line was immediately taken out of service and a vac truck was dispatched to recover the free-standing fluid. An estimated 219 barrels produced water was released along a 2 track road with 70 barrels recovered. Impacted soils will be scheduled for remediation in the coming weeks. Released: 219 barrels produced water Recovered: 70 barrels produced water

State of New Mexico
Oil Conservation Division

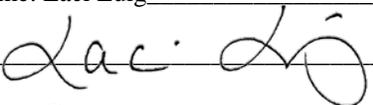
Page 2

Incident ID	nAPP2332872331
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Total amount of release is greater than 25 barrels.
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., 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 <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: 11/25/2023 _____ email: laci.luig@coterra.com _____ Telephone: (432) 208-3035 _____
<u>OCD Only</u> Received by: _____ Date: _____

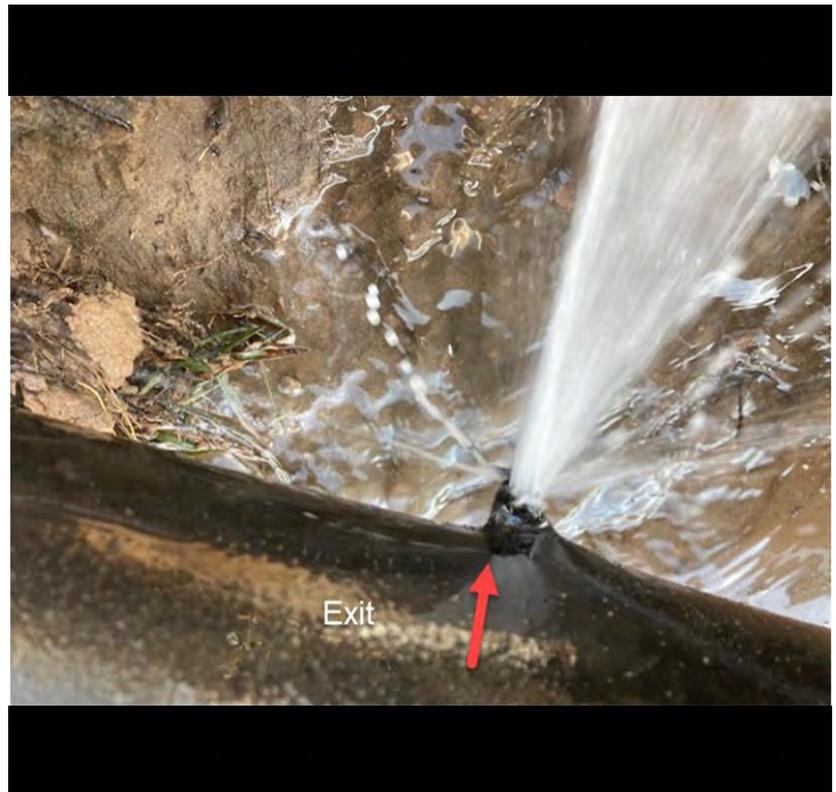


CIMAREX ENERGY
SOUTHERN CALIFORNIA 29 SWD
LINE
EDDY, NM



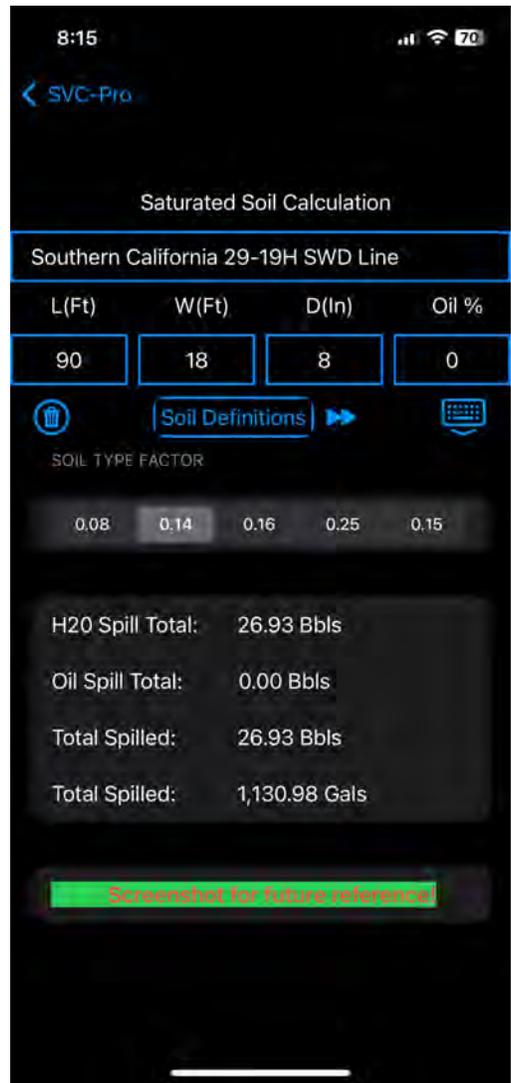
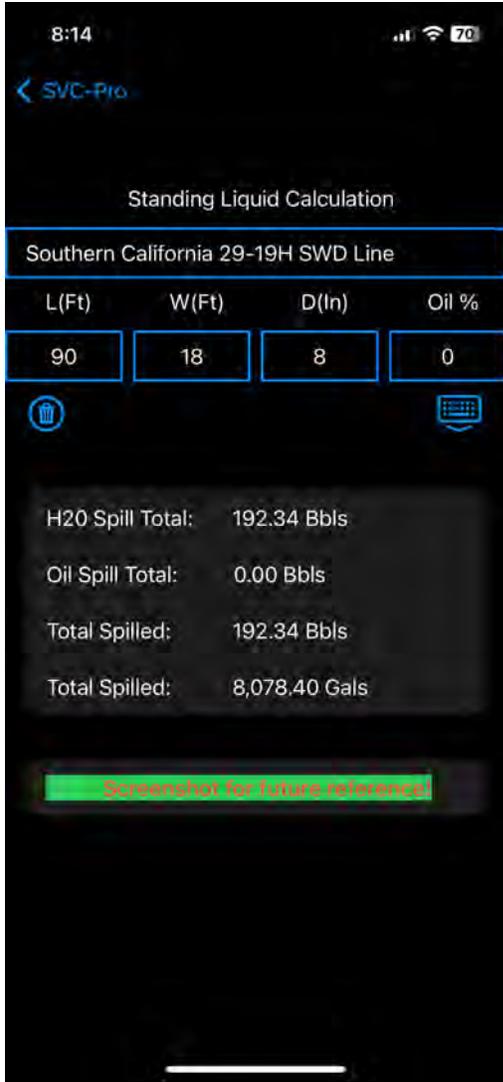


CIMAREX ENERGY
SOUTHERN CALIFORNIA 29 SWD
LINE
EDDY, NM





CIMAREX ENERGY
SOUTHERN CALIFORNIA 29 SWD
LINE
EDDY, NM





CIMAREX ENERGY
SOUTHERN CALIFORNIA 29 SWD
LINE
EDDY, NM





CIMAREX ENERGY
SOUTHERN CALIFORNIA 29 SWD
LINE
EDDY, NM





CIMAREX ENERGY
SOUTHERN CALIFORNIA 29 SWD
LINE
EDDY, NM



From: [Laci Luig](#)
To: [Michael Collier](#); [Jim Hawley](#)
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 297491
Date: Tuesday, December 26, 2023 10:05:40 AM

Good morning!!

Southern California 29 ROW sample notification.

Laci Luig
(432) 208-3035

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, December 26, 2023 11:03 AM
To: Laci Luig <Laci.Luig@coterra.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 297491

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

To whom it may concern (c/o Laci Luig for CIMAREX ENERGY CO. OF COLORADO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2332872331.

The sampling event is expected to take place:

When: 12/29/2023 @ 09:00

Where: E-36-19S-31E 0 FNL 0 FEL (32.61979,-103.830439)

Additional Information: Sampling will start 12/29/2023 and could last through 1/8/2024. Contact Michael Collier with H&R Enterprises 575-909-0326.

Additional Instructions: 32.619889, -103.830271

FROM INT CR-248 AND CR-222 S CR-222 2.7 MI GO S .5 MI GO SE 2.2 MI GO NE .6 MI TO LOC

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the

requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

INITIAL PHOTOGRAPHS



PHOTOGRAPHIC DOCUMENTATION

TEST TRENCH/EXCAVATION PHOTOGRAPHS



TT-1



TT-2

PHOTOGRAPHIC DOCUMENTATION



TT-3



PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPHIC DOCUMENTATION

FINAL PHOTOGRAPHS



PHOTOGRAPHIC DOCUMENTATION



APPENDIX V

LABORATORY REPORTS



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

January 03, 2024

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

RE: SOUTHERN CALI 29 FED SWD LINE (S. CALI)

Enclosed are the results of analyses for samples received by the laboratory on 12/29/23 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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:

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

Received:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 10' (H236865-01)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 12' (H236865-02)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 14' (H236865-03)

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	12/29/2023	ND	2.25	113	2.00	1.15		
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857		
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44		
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51		
Total BTEX	<0.300	0.300	12/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55		
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14		
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 16' (H236865-04)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 18' (H236865-05)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 20' (H236865-06)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-3 0-1' (H236865-07)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-3 2' (H236865-08)

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	12/29/2023	ND	2.25	113	2.00	1.15		
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857		
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44		
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51		
Total BTEX	<0.300	0.300	12/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55		
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14		
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-3 3' (H236865-09)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-3 4' (H236865-10)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-1 0-1' (H236865-11)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-1 2' (H236865-12)

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	12/29/2023	ND	2.25	113	2.00	1.15		
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857		
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44		
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51		
Total BTEX	<0.300	0.300	12/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/02/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	228	114	200	1.55		
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14		
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND						

Surrogate: 1-Chlorooctane 89.3 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-1 3' (H236865-13)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-1 4' (H236865-14)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 0-1' (H236865-15)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14800	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	232	116	200	3.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	222	111	200	6.98	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 2' (H236865-16)

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	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	<0.050	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	<0.050	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	<0.150	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	<0.300	0.300	01/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	232	116	200	3.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	222	111	200	6.98	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 3' (H236865-17)

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	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	<0.050	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	<0.050	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	<0.150	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	<0.300	0.300	01/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22000	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	232	116	200	3.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	222	111	200	6.98	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 4' (H236865-18)

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	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	<0.050	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	<0.050	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	<0.150	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	<0.300	0.300	01/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15400	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	232	116	200	3.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	222	111	200	6.98	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 6' (H236865-19)

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	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	<0.050	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	<0.050	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	<0.150	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	<0.300	0.300	01/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12200	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	232	116	200	3.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	222	111	200	6.98	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 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:	12/29/2023	Sampling Date:	12/28/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: TT-2 8' (H236865-20)

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	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	<0.050	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	<0.050	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	<0.150	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	<0.300	0.300	01/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	01/02/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/29/2023	ND	232	116	200	3.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	222	111	200	6.98	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Company Name: H&R Enterprises

BILL TO

ANALYSIS REQUEST

Project Manager: Michael Collier
Address:
City: State: Zip:
Phone #: Fax #:
Project Owner:
Project Name: Southern California 29 Fed SWD Line (S-Call)

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

Project Location:
Sample Name: R. Bell
Lab I.D. H036805

FOR LAB USE ONLY

DATE	TIME	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	BTEX	TPH	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE					
1	10:25	TT-2	10'	G	1	X							
2	10:31	TT-2	12'	G	1	X			12:35				
3	10:35	TT-2	14'	G	1	X							
4	10:40	TT-2	16'	G	1	X							
5	10:47	TT-2	18'	G	1	X							
6	10:55	TT-2	20'	G	1	X							
7	10:58	TT-3	0-1'	G	1	X							
8	11:00	TT-3	2'	G	1	X							
9	11:01	TT-3	3'	G	1	X							
10	11:02	TT-3	4'	G	1	X							

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Relinquished By: [Signature] Date: 12-29-23 Received By: [Signature] Date: 11-15

Relinquished By: [Signature] Date: [Blank] Received By: [Signature] Date: [Blank]

Delivered By: (Circle One) UPS - Bus - Other: Observed Temp. °C: 41.00 Corrected Temp. °C: [Blank]

Sample Condition: Cool Impact Yes No

Checked By: [Signature] (Initials)

Thermometer ID: 1113 Standard Serial: 1004 Observed Temp. °C: 41.00 Corrected Temp. °C: [Blank]

Correction Factor: -0.05

Remarks: Pg 1 of 2

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

FORM-006 R 3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: H&R Enterprises

BILL TO

ANALYSIS REQUEST

Project Manager: Michael Collier

P.O. #:

Address:

Company: Cimarex

City:

Attn: Laci Lujig

Phone #:

Fax #:

Address:

Project #:

Project Owner:

Project Name: Southern California 29 Fed SWD Line (S. Call)

City:

Project Location:

State:

Zip:

Sampler Name: R. Bell

Phone #:

Fax #:

FOR LAB USE ONLY
Lab I.D.

11266645

ID	Depth	Time	Temp	Matrix	Preserv.	Sampling	DATE	TIME	BTEX	TPH	Chlorides	Other	
												ACID/BASE	ICE / COOL
11	TT-1	0-1'	G 1	X	X	X	12-29-23		X	X	X		
12	TT-1	2'	G 1	X	X	X			X	X	X		
13	TT-1	3'	G 1	X	X	X			X	X	X		
14	TT-1	4'	G 1	X	X	X			X	X	X		
15	TT-2	0-1'	G 1	X	X	X			X	X	X		
16	TT-2	2'	G 1	X	X	X			X	X	X		
17	TT-2	3'	G 1	X	X	X			X	X	X		
18	TT-2	4'	G 1	X	X	X			X	X	X		
19	TT-2	6'	G 1	X	X	X			X	X	X		
20	TT-2	8'	G 1	X	X	X			X	X	X		

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Relinquished By: [Signature]

Date: 12-29-23

Received By: [Signature]

Verbal Result: Yes No

Add'l Phone #:

Relinquished By: [Signature]

Date: 11-15

Received By: [Signature]

REMARKS:

Delivered By: (Circle One)
Sampler - Ups - Bus - Other:

Observed Temp. °C: 41.6°C
Corrected Temp. °C:

Sample Condition
Cool Intact
Cool Intact

CHECKED BY: [Signature]

Thermometer ID: 4513

Standard Bacterial (only) Sample Condition

Observed Temp. °C: 41.6°C

Corrected Temp. °C:

FORM-006 R 3.2 10/07/21

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



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

January 03, 2024

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

RE: SOUTHERN CALI 29 FED SWD LINE (S. CALI)

Enclosed are the results of analyses for samples received by the laboratory on 12/29/23 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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,

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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S -1 2' (H236864-01)

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	12/29/2023	ND	2.21	111	2.00	0.149	QR-03	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	QR-03	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	QR-03	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	QR-03	
Total BTEX	<0.300	0.300	12/29/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33		
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21		
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND						

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 2 4' (H236864-02)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 3 4' (H236864-03)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 4 4' (H236864-04)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6200	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 5 4' (H236864-05)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 6 4' (H236864-06)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 7 4' (H236864-07)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 8 4' (H236864-08)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 9 4' (H236864-09)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 10 4' (H236864-10)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: S - 11 4' (H236864-11)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 1 2' (H236864-12)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 2 2' (H236864-13)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 3 2'-4 ' (H236864-14)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 69.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 4 4' (H236864-15)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 5 4' (H236864-16)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/02/2024	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	12/29/2023	ND	220	110	200	2.33	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	196	98.2	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 6 4' (H236864-17)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 7 4' (H236864-18)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 8 4' (H236864-19)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 9 4' (H236864-20)

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	12/29/2023	ND	2.21	111	2.00	0.149	
Toluene*	<0.050	0.050	12/29/2023	ND	2.23	111	2.00	0.0993	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.21	111	2.00	0.285	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.62	110	6.00	0.482	
Total BTEX	<0.300	0.300	12/29/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 10 4' (H236864-21)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

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

Received:	12/29/2023	Sampling Date:	12/29/2023
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTHERN CALI 29 FED SWD LINE (S. C	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	CIMAREX		

Sample ID: SW - 11 4' (H236864-22)

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	12/29/2023	ND	2.25	113	2.00	1.15	
Toluene*	<0.050	0.050	12/29/2023	ND	2.20	110	2.00	0.857	
Ethylbenzene*	<0.050	0.050	12/29/2023	ND	2.19	109	2.00	1.44	
Total Xylenes*	<0.150	0.150	12/29/2023	ND	6.37	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/02/2024	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	12/29/2023	ND	228	114	200	1.55	
DRO >C10-C28*	<10.0	10.0	12/29/2023	ND	211	106	200	2.14	
EXT DRO >C28-C36	<10.0	10.0	12/29/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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 LCS/D recovery and/or RPD values.
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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: H&R Enterprises

BILL TO

ANALYSIS REQUEST

Project Manager: Michael Collier
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: Cimarex
 Project Name: Southern California 29 Fed SWD Line (S. Cali)
 Project Location: _____ State: _____ Zip: _____
 Sampler Name: R. Bell
 Lab I.D. #10368241
 P.O. #: _____ Company: Cimarex
 Attn: Lael Lulig
 Address: _____ City: _____
 State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Date	Time	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER : ACID/BASE:					
21	SW-10	4'	C	1			X					X	X	X	
30	SW-11	4'	C	1			X					X	X	X	

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Relinquished By: _____ Date: 12-26-23
 Received By: _____ Date: _____
 Time: _____ Time: _____
 Observed Temp. °C: 46.0
 Corrected Temp. °C: #140
 Sample Condition: Cool Intact
 Checked By: (Initials) DA
 Remarks: 2 day PG 3 of 3
 Turnaround Time: Rush Standard
 Corrected Temp. °C: _____
 Thermometer ID: #44-104
 Correction Factor: -0.7°C
 Observed Temp. °C: _____
 Corrected Temp. °C: _____

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

FORM-006 R 3.2 10/07/21

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

QUESTIONS

Action 309737

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 309737
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2332872331
Incident Name	NAPP2332872331 SOUTHERN CALIFORNIA 29 FEDERAL COM 19H SWD LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	SOUTHERN CALIFORNIA 29 FEDERAL COM 19H SWD LINE
Date Release Discovered	11/24/2023
Surface Owner	State

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Vandalism Pipeline (Any) Produced Water Released: 219 BBL Recovered: 70 BBL Lost: 149 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Upon arrival, a hole was found in the surface poly line. After investigation, it appears the line was struck by a bullet. The line was immediately taken out of service and a vac truck was dispatched to recover the free-standing fluid. An estimated 219 barrels produced water was released along a 2 track road with 70 barrels recovered. Impacted soils will be scheduled for remediation in the coming weeks. Released: 219 barrels produced water Recovered: 70 barrels produced water

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QUESTIONS, Page 2

Action 309737

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 309737
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 01/31/2024
--	---

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State of New Mexico
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QUESTIONS, Page 3

Action 309737

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 309737
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization
 Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	22000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	12/28/2023
On what date will (or did) the final sampling or liner inspection occur	12/29/2023
On what date will (or was) the remediation complete(d)	12/29/2023
What is the estimated surface area (in square feet) that will be reclaimed	2000
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2000
What is the estimated volume (in cubic yards) that will be remediated	380

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

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

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QUESTIONS, Page 4

Action 309737

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 309737
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

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

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

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 01/31/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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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

QUESTIONS, Page 5

Action 309737

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 309737
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 309737

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 309737
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	297491
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/29/2023
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	5700

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2000
What was the total volume (cubic yards) remediated	380
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Groundwater determination bore drilled to 65', no presence of water after 72 hours. This is a ROW release, so all soil was remediated to groundwater cleanup standards (51-100') and backfilled with clean material. ROW will be reclaimed and revegetated once buried lines and access road have been removed per normal operation.

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

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

I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PerminianEnvironmental@coterra.com Date: 01/31/2024
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QUESTIONS, Page 7

Action 309737

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 309737
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 309737

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 309737
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2332872331 SOUTHERN CALIFORNIA 29 FEDERAL COM 19H SWD LINE, thank you. This Remediation Closure Report is approved.	4/5/2024