



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

Site Assessment and Closure Report

Chief 30 State #001
Incident# nJXK1526849729
Lea County, New Mexico

Prepared For:

Cimarex Energy Co.
6000 Deauville Blvd. Suite 300N
Midland, TX 79706

Prepared By:

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

July 6, 2023

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

Subject: **Site Assessment and Closure Report**
Chief 30 State #001
Lea County, NM

Dear Mr. Bratcher,

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

Site Information

The Chief 30 State #001 is located approximately 28.5 miles Southwest of Hobbs, New Mexico. The legal location for this release is Unit Letter M, Section 30, Township 20 South and Range 35 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.538753 North and -103.504077 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 Kimbrough gravelly loam, 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 270-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	270 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 groundwater data not being within the recommended 0.5-mile radius an exploratory water bore was drilled on the Chief 30 State #003H well pad approximately 0.46-miles to the North. The water bore was drilled to a total depth of 55-feet BGS. No groundwater was encountered during drilling nor 72-hours after drilling. Since no groundwater was encountered, the closure criteria for this site are as follows:

Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
50-100 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 September 24, 2015, A poly flow line over pressured due to the line plugging up coming from the well causing the release of 65 barrels (bbls) of produced water onto the well pad and pasture behind the tank battery containment. A total of 40 bbls were recovered.

Site Assessment and Activities

H&R mobilized personnel to begin site assessment and sampling activities of the release area. Grab samples were obtained by way of drilling 6 sampling bore holes. Samples collected were transported to Cardinal Laboratories for analysis. The results of that analysis are presented in the following data table. Initial site assessment sampling locations are illustrated on Site Assessment Map, [Appendix I](#). Photographic documentation of the location are attached in [Appendix IV](#). Complete laboratory reports can be found in [Appendix V](#).

Table 1: Initial Soil Samples Analysis

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	1000 mg/kg		2500 mg/kg	2500 mg/kg	10,000 mg/kg
BH-1	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	176
		2'	ND	ND	ND	ND	ND	0	896
		3'	ND	ND	ND	ND	ND	0	352
		4'	ND	ND	ND	ND	ND	0	208
BH-2	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	272
		2'	ND	ND	ND	ND	ND	0	496
		3'	ND	ND	ND	ND	ND	0	672
		4'	ND	ND	ND	ND	ND	0	144
BH-3	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	128
		2'	ND	ND	ND	ND	ND	0	144
		3'	ND	ND	ND	ND	ND	0	96
		4'	ND	ND	ND	ND	ND	0	80
BH-4	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	160
		2'	ND	ND	ND	ND	ND	0	112
		3'	ND	ND	ND	ND	ND	0	128
		4'	ND	ND	ND	ND	ND	0	80
BH-5	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	16
		2'	ND	ND	ND	ND	ND	0	48
		3'	ND	ND	ND	ND	ND	0	128
		4'	ND	ND	ND	ND	ND	0	352
BH-6	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	80
		2'	ND	ND	ND	ND	ND	0	144
		3'	ND	ND	ND	ND	ND	0	112
		4'	ND	ND	ND	ND	ND	0	144
H-1	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	16
H-2	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	32
H-3	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	ND
H-4	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	ND
H-5	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	16
H-6	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	16
H-7	5/3/2023	0-1'	ND	ND	ND	ND	ND	0	16

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

Based on our site assessment results it has been determined that full horizontal and vertical delineation was achieved and that no remediation is needed for this incident.

Closure

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

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

Respectfully submitted,

H&R Enterprises, LLC

Michael Collier

Michael Collier
Environmental Project Manager

Attachments:

Appendix I Site Maps

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

Chief 30 State #001

Cimarex Energy Co.
Incident# NJXK1526849729
Lea County, NM
Site Assessment Map

Legend

-  Horizontal Sample Point
-  NJX1526843729 2015 Release Area
-  Vertical Bore Hole Sample Point



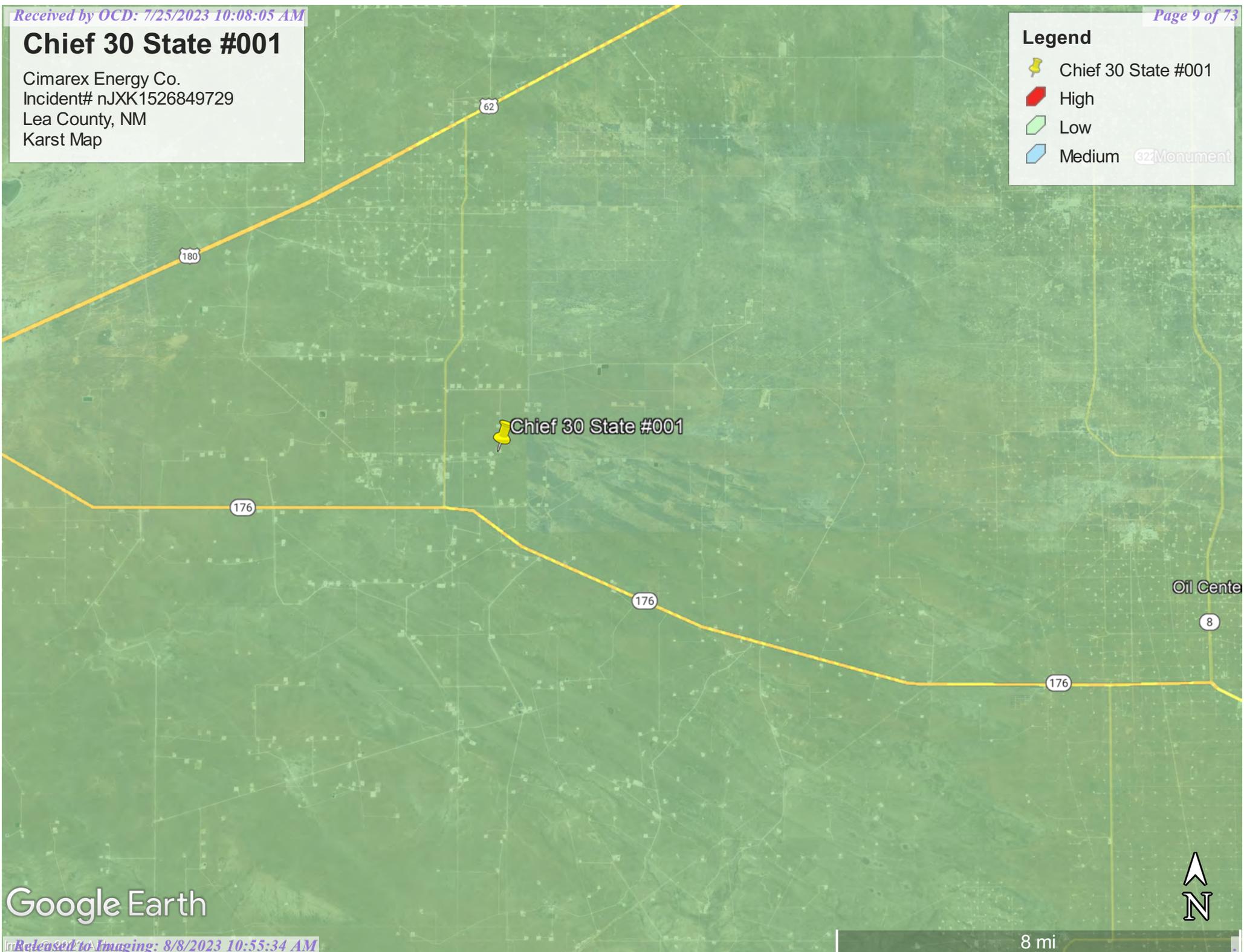
100 ft

Chief 30 State #001

Cimarex Energy Co.
Incident# nJXK1526849729
Lea County, NM
Karst Map

Legend

-  Chief 30 State #001
-  High
-  Low
-  Medium 



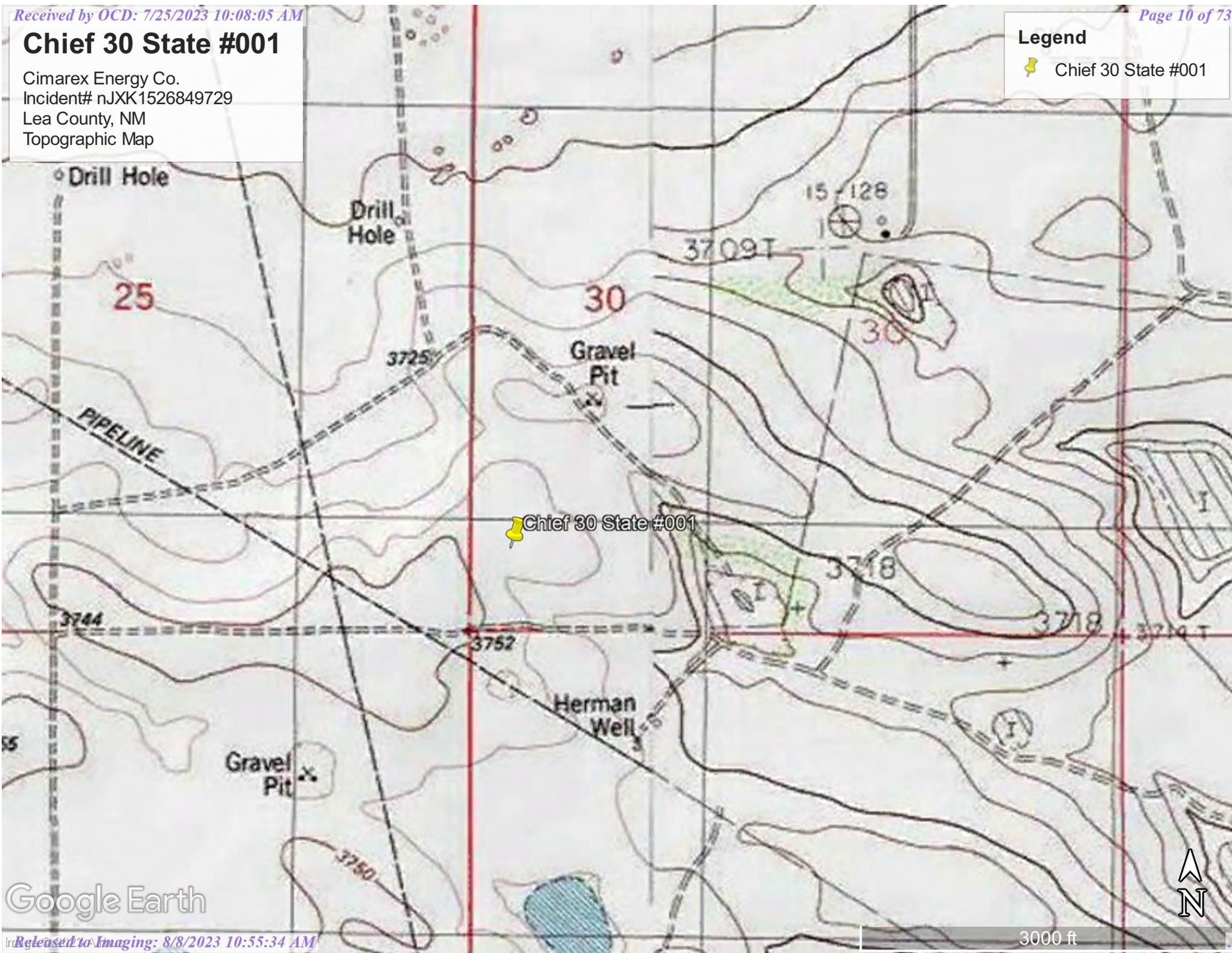
Google Earth

Chief 30 State #001

Cimarex Energy Co.
Incident# nJXK1526849729
Lea County, NM
Topographic Map

Legend

 Chief 30 State #001



Google Earth

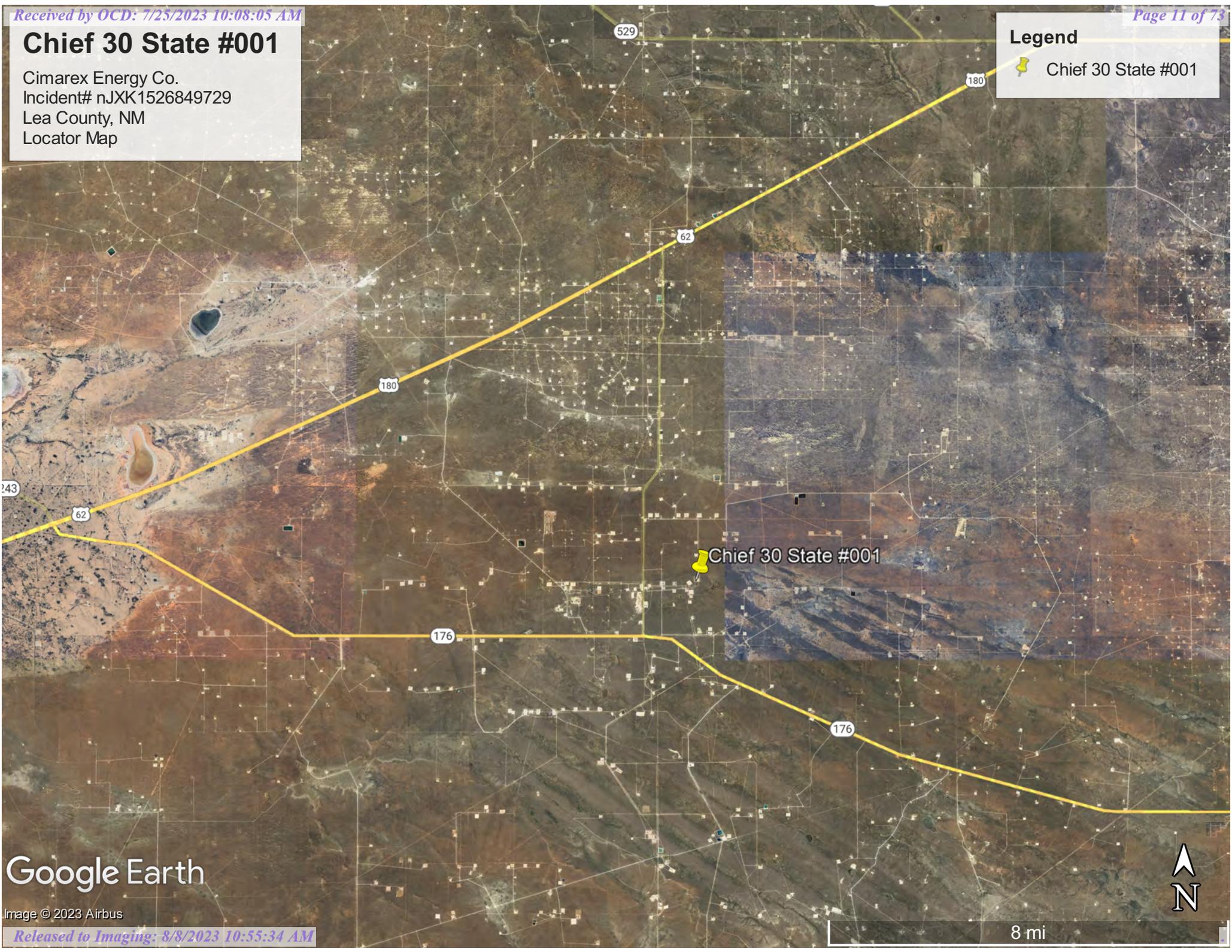
3000 ft

Chief 30 State #001

Cimarex Energy Co.
Incident# nJXK1526849729
Lea County, NM
Locator Map

Legend

 Chief 30 State #001



Google Earth

Image © 2023 Airbus



8 mi

APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

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_01204_POD1		CP	LE	3	1	1	25	20S	34E	638755	3602250	<input type="checkbox"/>	2048	370	
CP_00665		CP	LE		1	4	24	20S	34E	639740	3603128*	<input type="checkbox"/>	2128	698	270 428
CP_01334_POD1		CP	LE	1	2	4	35	20S	34E	638402	3599879	<input type="checkbox"/>	2414	1253	733 520
CP_01335_POD1		CP	LE	4	1	4	35	20S	34E	638205	3599736	<input type="checkbox"/>	2657	1307	735 572
CP_00611		CP	LE		2	1	06	21S	34E	639838	3598306*	<input type="checkbox"/>	2891	118	112 6

Average Depth to Water: **462 feet**
 Minimum Depth: **112 feet**
 Maximum Depth: **735 feet**

Record Count: 5

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 640469.26

Northing (Y): 3601128.24

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.

6/29/23 8:39 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Map Unit Description: Kimbrough gravelly loam, dry, 0 to 3 percent slopes---Lea County, New Mexico

Lea County, New Mexico

KO—Kimbrough gravelly loam, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw43
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough, dry, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough, Dry

Setting

Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Concave, linear
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s

Map Unit Description: Kimbrough gravelly loam, dry, 0 to 3 percent slopes---Lea County, New Mexico

Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Minor Components

Eunice

Percent of map unit: 10 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Kenhill

Percent of map unit: 4 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

National Flood Hazard Layer FIRMette



103°30'35"W 32°32'33"N



Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/6/2023 at 1:12 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°29'57"W 32°32'3"N

Chief 30 State #001

Cimarex Energy Co.
Incident# NRM2025346674
Lea County, NM
Exploratory Water Bore Map

Legend

-  0.46-Miles
-  Exploratory Water Bore

Chief 30 State #003H



Exploratory Water Bore



Chief 30 State #001



Google Earth



1000 ft

APPENDIX III

INITIAL C-141

FINAL C-141

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company Cimarex Energy	Contact Christine Alderman
Address 600 N Marienfeld Ste 600 Midland TX	Telephone No. 432-853-7059
Facility Name Chief 30 State #1	Facility Type Production

Surface Owner	Mineral Owner	API No. 30-025-40406
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	30	20S	35E	660	S	330	W	Lea

Latitude 32.538753 Longitude -103.504077

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 65 bbls	Volume Recovered 40 bbls
Source of Release poly flowline	Date and Hour of Occurrence 09/24/15	Date and Hour of Discovery 09/24/15
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kellie Jones	
By Whom? Christine Alderman	Date and Hour 9/25/15 10:30 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

RECEIVED
By JKeyes at 1:51 pm, Sep 25, 2015

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A poly flowline over pressured due to the line plugging up coming from the well.

Describe Area Affected and Cleanup Action Taken.*
Location pad and grazing land were impacted. Our consultant will assess and delineate. A work plan will be developed and submitted.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <i>Christine Alderman</i>	OIL CONSERVATION DIVISION	
Printed Name: Christine Alderman	Approved by Environmental Specialist: <i>Jan Keyes</i>	
Title: ESH Supervisor	Approval Date: 09/25/2015	Expiration Date: 11/25/2015
E-mail Address: calderman@cimarex.com	Conditions of Approval: Discrete site samples required. Delineate and remediate per NMOCD guidelines. Geotagged photos required.	Attached <input type="checkbox"/> 1RP 3888
Date: 9/25/15 Phone: 432-853-7059		

* Attach Additional Sheets If Necessary

pJXK1526849808
nJXK1526849729

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: *Shelly Wells* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 7/25/2023

Incident ID	
District RP	
Facility ID	
Application ID	

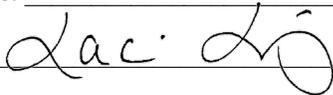
Closure

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

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

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

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

Printed Name: _____ Title: _____
 Signature:  Date: _____
 email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 7/25/2023

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

Closure Approved by:  Date: 08/08/2023
 Printed Name: Jocelyn Harison Title: Environmental Specialist

Ashton Thielke

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, June 7, 2023 4:51 PM
To: Ashton Thielke
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] nJXK1526849729 - Chief 30 State CTB Confirmation Sample Notification

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.

Ashton,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Ashton Thielke <Ashton.Thielke@coterra.com>
Sent: Wednesday, June 7, 2023 1:35 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laci Luig <Laci.Luig@coterra.com>; Jim Hawley <JHawley@H-R-Enterprises.com>; mcollier@h-r-enterprises.com
Subject: [EXTERNAL] nJXK1526849729 - Chief 30 State CTB Confirmation Sample Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

This email serves as notification for confirmation sampling on the Chief 30 State Com battery. Excavation and confirmation sampling is scheduled to begin as early as Thursday, June 15th, weather and soil conditions permitting. H&R Enterprises will be onsite to collect the confirmation samples.

Coordinates: 32.53869, -103.50417

Thank you,



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.8988 | M: 281.753.5659 | Ashton.Thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 6000 Deauville Blvd., Suite 300N | Midland, TX 79706

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

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

BORE HOLE SAMPLE PHOTOGRAPHS



BH-1



BH-2

PHOTOGRAPHIC DOCUMENTATION

BORE SAMPLE HOLE PHOTOGRAPHS



BH-3



BH-4

PHOTOGRAPHIC DOCUMENTATION

BORE HOLE SAMPLE PHOTOGRAPHS



BH-5



BH-6

PHOTOGRAPHIC DOCUMENTATION

HORIZONTAL SAMPLE PHOTOGRAPHS



H-1



H-2

PHOTOGRAPHIC DOCUMENTATION

HORIZONTAL SAMPLE PHOTOGRAPHS



H-3



H-4

PHOTOGRAPHIC DOCUMENTATION

HORIZONTAL SAMPLE PHOTOGRAPHS



H-5



H-6

PHOTOGRAPHIC DOCUMENTATION

HORIZONTAL SAMPLE PHOTOGRAPHS



H-7

PHOTOGRAPHIC DOCUMENTATION

EXPLORATORY WATER BORE PHOTOGRAPH



APPENDIX V

LABORATORY REPORTS



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

May 09, 2023

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

RE: CHIEF 30 ST #1 2015 (CHIEF 30)

Enclosed are the results of analyses for samples received by the laboratory on 05/04/23 13:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 1 0-1' (H232214-01)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 1 2' (H232214-02)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 1 3' (H232214-03)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 1 4' (H232214-04)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 2 0-1' (H232214-05)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 2 2' (H232214-06)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 2 3' (H232214-07)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 2 4' (H232214-08)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 3 0-1' (H232214-09)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 3 2' (H232214-10)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 3 3' (H232214-11)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 3 4' (H232214-12)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 4 0-1' (H232214-13)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 4 2' (H232214-14)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 4 3' (H232214-15)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 4 4' (H232214-16)

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	05/06/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/06/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 5 0-1' (H232214-17)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 5 2' (H232214-18)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 5 3' (H232214-19)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 5 4' (H232214-20)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	91.9	200	6.06	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	165	82.6	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 6 0-1' (H232214-21)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 6 2' (H232214-22)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 6 3' (H232214-23)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: BH - 6 4' (H232214-24)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: H - 1 0-1' (H232214-25)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: H - 2 0-1' (H232214-26)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: H - 3 0-1' (H232214-27)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: H - 4 0-1' (H232214-28)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/05/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: H - 5 0-1' (H232214-29)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/05/2023	ND	400	100	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	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: H - 6 0-1' (H232214-30)

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	05/06/2023	ND	2.12	106	2.00	15.4	
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/05/2023	ND	400	100	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	05/05/2023	ND	164	82.1	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 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:	05/04/2023	Sampling Date:	05/03/2023
Reported:	05/09/2023	Sampling Type:	Soil
Project Name:	CHIEF 30 ST #1 2015 (CHIEF 30)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NM		

Sample ID: H - 7 0-1' (H232214-31)

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	05/06/2023	ND	2.12	106	2.00	15.4		
Toluene*	<0.050	0.050	05/06/2023	ND	2.17	108	2.00	15.8		
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.07	104	2.00	15.0		
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.42	107	6.00	15.1		
Total BTEX	<0.300	0.300	05/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/05/2023	ND	400	100	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	05/05/2023	ND	164	82.1	200	1.80		
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	180	89.9	200	2.45		
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND						

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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

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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

P.O. #:

Address:

Company: Cimarex

City:

Attn: Laci Lulig

Phone #:

Address:

Project #:

City:

Project Name: Chief 30 SL #1 2015 (Chief 30)

State: Zip:

Project Location: Lea County, NM

Phone #:

Sampler Name: R. Bell

Fax #:

Lab I.D.

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:					
H232314	11			1			X				5-3-23				
	12														
	13														
	14														
	15														
	16														
	17														
	18														
	19														
	20														

PLEASE NOTE: Liability and Damages: Cardinal Laboratory and client's respective liability for any costs, attorney's fees, and the cost of the removal of the material to the site for the... All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages... arising in connection with the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]

Date: 5-4-23

Received By: [Signature]

Verbal Result: Yes No

ADD'l Phone #:

Relinquished By: [Signature]

Date: 7-3-23

Received By: [Signature]

REMARKS: Pg 2 of 4

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

Observed Temp. °C: -1.4
Corrected Temp. °C: -2.0

Sample Condition
Cool Moist

CHECKED BY: [Signature]

Thermometer ID #113
Correction Factor -0.5°C

Corrected Temp. °C

FORM-005 R 3.2 10/07/21

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: H&R Enterprises		P.O. #:	
Project Manager: Michael Collier		Company: Cimarex	
Address:		Attn: Laci Lullig	
City:		Address:	
State:		City:	
Zip:		State:	
Phone #:		Zip:	
Fax #:		Phone #:	
Project #:		Fax #:	
Project Name: Chief 30 St. #1 2015 (Chief 30)		Project Location: Lea County, NM	
Project Location: Lea County, NM		Sampler Name: R. Bell	
Lab I.D.:		FOR LAB USE ONLY	

Lab I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX	TPH	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:	ICE / COOL					
H238214	21	BH-6 0-1'	1			X					5-3-23		X	X	X
	22	BH-6 2'	1										X	X	X
	23	BH-6 3'	1										X	X	X
	24	BH-6 4'	1										X	X	X
	25	H-1 0-1'	1										X	X	X
	26	H-2 0-1'	1										X	X	X
	27	H-3 0-1'	1										X	X	X
	28	H-4 0-1'	1										X	X	X
	29	H-5 0-1'	1										X	X	X
	30	H-6 0-1'	1										X	X	X

REMARKS: Pg 3 of 4

Relinquished By: [Signature] Date: 5-4-23

Received By: [Signature] Date: 7-3-23

Checked By: [Signature] (Initials) [Signature]

Delivered By: (Circle One) Sample - UPS - Bus - Other: [X] Sample Condition: Cool Ambient Other Observed Temp. °C: -1.4 Corrected Temp. °C: -2.0

Thermometer ID #113 Correction Factor -0.5°C

Turnaround Time: Rush Standard Bacteria (only) Sample Condition: No Yes No Yes No Yes No Yes

FORRA-006 R 3 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinalabnm.com

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

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

CONDITIONS

Action 243998

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 243998
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	Sample points BH1 @2' and BH2 @ 3' do not meet the reclamation requirements. Final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC during any future major well pad construction/alteration or final plugging and abandonment, whichever occurs first.	8/8/2023