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	nAPP2132126541
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: lluig@cimarex.com	Incident # *(assigned by OCD)* nAPP2132126541
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.22396 Longitude -103.62196
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Dos Equis 13 Federal Com	Site Type: Battery
Date Release Discovered: 11/16/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
A	13	24S	32E	Lea

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 101	Volume Recovered (bbls) 60
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Human Error
The circulation line going to the tank was in the open position, and the 2- inch going to the environmental catch pot was also open. There was a bull plug in the main 3-inch connection, but the ½ inch bleeder valve inside the environmental catch pot was open. The ETC LACT divert valve malfunctioned, causing the oil divert tank to fill up, which had the circulation line open on the back of the tank causing the oil to reach the level on the environmental catch pot and spill out onto the ground. Total released 101 barrels of crude oil outside of containment, and recovered 60 barrels of oil. An environmental company will handle remediation.

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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2132126541
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Total release 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: Gloria Garza
To: Mike Bratcher, District 1, Robert Hamlet, SLO and BLM
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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 11/17/2021

email: lluig@cimarex.com Telephone: (432) 208-3035

OCD Only

Received by: Date:

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2132126541
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?	1533 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2132126541
District RP	
Facility ID	
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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: Laci Luig

Date: 12/20/2021

email: lluig@cimarex.com

Telephone: (432) 208-3035

OCD Only

Received by: _____

Date: _____

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Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2132126541
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: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 12/20/2021

email: lluig@cimarex.com Telephone: (432) 208-3035

OCD Only

Received by: Chad Hensley Date: 02/03/2022

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

Closure Approved by: Chad Hensley Date: 02/03/2022

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

ENTERPRISES, LLC

MCollier@H-R Enterprises.com 575-909-0326

Remediation and Closure Report

Dos Equis 13 Fed Com 1H
API# 30-025-41479
Incident # nAPP2132126541
Lea County, New Mexico

Prepared For:

Cimarex Energy Co.
600 Marienfeld St.
Midland, TX 79701

Prepared By:

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

December 12, 2021

Mr. Mike Bratcher
NMOCD District
1625 N. French Dr.
Hobbs, NM 88240

Subject: **Remediation and Closure Report**
Dos Equis 13 Fed Com 1H
API# 30-025-41479
Incident # nAPP2132126541
Lea County, NM

Dear Mr. Bratcher,

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

Site Information

The Dos Equis 13 Fed Com 1H is located approximately 58.6 miles southwest of Hobbs, New Mexico. The legal location for this release is Unit Letter A, Section 13, Township 24 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.2240753 North and -103.6219406 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 Pyote and Maljamar fine sands, 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 Sate Engineer web site indicates that the nearest reported depth to groundwater is 1533-feet below ground surface (BGS), but not within the 0.5-mile distance as required by NMOCD regulations. See Appendix II for the referenced groundwater data. Due to this issue Scarborough Drilling, Inc. was contracted to perform an exploratory soil boring to verify groundwater was not present less than 50-feet BGS. Soil boring depth was 55-feet (BGS). See Appendix IV for bore log and location of soil boring.

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	> 55 Feet/BGS

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

As this incident occurred in an area with a depth to groundwater of greater that 50-feet BGS, the closure criteria for this site are 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 16, 2021, 101 barrels (bbls) of crude oil (60bbls of which were recovered) were released when the circulation line going to the tank was in the open position, and the 2-inch valve going to the environmental catch pot was also open. There was a bull plug in the main3-inch connection, but the ½ inch bleeder valve inside the environmental catch pot was open. The ETC LACT divert valve malfunctioned, causing the oil divert tank to fill up, which had the circulation line open on the back of the tank causing the oil to reach the level on the environmental catch pot and spill out onto the ground. An initial C-141 was submitted on November 17, 2021, and is provided in Appendix III. The incident number for this release assigned by NMOCD is nAPP2132126541.

Site Assessment

On November 22, 2021, H&R mobilized personnel to begin site assessment, and sampling activities of the impacted area. Grab samples were obtained by way of hand auger to a depth of 3-feet BGS. Analytical results from our initial sampling events are presented in the following data table. Initial site assessment sampling locations are illustrated on Site Assessment Map, Appendix I, and photographs of impacted area are attached in Appendix V. Complete laboratory reports can be found in Appendix VI.

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
S-1	11/22/2021	2'	2.02	ND	52.7	550	67.7	670.4	32
		3'	1.26	ND	27.4	331	38.2	396.6	16
S-2	11/22/2021	2'	8.18	0.139	125	627	79.1	831.1	32
		3'	ND	ND	ND	41.1	ND	41.1	32
S-3	11/22/2021	2'	20.2	0.385	321	1210	162	1693	16
		3'	7.58	0.114	108	509	69.1	686.1	32

ND = Analyte Not Detected

Based on the results of our site and upon client authorization, further excavation activities of both impacted areas commenced on November 30, 2021. Confirmation samples were collected to confirm that NMOCD closure criteria had been met, the results of which can be found in the following data table. Confirmation sample locations and excavation dimensions can be found on Confirmation Sample Map in Appendix I. Complete laboratory reports are attached in Appendix VI.

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	mg/kg
S-1	12/1/2021	4'	ND	ND	ND	32.6	ND	32.6	96
S-2	12/1/2021	4'	ND	ND	ND	ND	ND	0	48
S-3	12/1/2021	4'	ND	ND	ND	45.1	ND	45.1	48
S-4	12/1/2021	4'	ND	ND	ND	114	ND	114	64
S-5	12/1/2021	4'	ND	ND	ND	19.8	ND	19.8	48
S-6	12/1/2021	4'	ND	ND	ND	ND	ND	0	64
S-7	12/1/2021	4'	ND	ND	ND	18.2	ND	18.2	144
S-8	12/1/2021	4'	ND	ND	16.3	460	58.6	534.9	208
S-9	12/1/2021	4'	ND	ND	ND	91.1	ND	91.1	112
S-10	12/2/2021	4'	ND	ND	ND	11	ND	11	32
S-11	12/2/2021	4'	ND	ND	ND	50.2	ND	50.2	32
S-12	12/2/2021	4'	ND	ND	ND	ND	ND	0	32
S-13	12/2/2021	4'	0.747	ND	25.7	255	37.9	318.6	16
S-14	12/2/2021	4'	ND	ND	10.8	170	23	203.8	16
S-15	12/2/2021	4'	ND	ND	ND	56.3	ND	56.3	32
S-16	12/2/2021	4'	ND	ND	ND	135	17.7	152.7	48
S-17	12/2/2021	4'	0.318	ND	12.6	242	38.1	292.7	112
S-18	12/2/2021	4'	ND	ND	ND	124	17	141	112
SW-1	12/2/2021	4'	ND	ND	ND	ND	ND	0	160
SW-2	12/1/2021	4'	ND	ND	ND	17.5	ND	17.5	96
SW-3	12/1/2021	4'	ND	ND	ND	ND	ND	0	48
SW-4	12/2/2021	4'	ND	ND	ND	179	18	197	176
SW-4A	12/9/2021	4'	ND	ND	ND	ND	ND	0	208
SW-5	12/2/2021	4'	ND	ND	ND	76.6	ND	76.6	32
SW-6	12/2/2021	4'	ND	ND	ND	ND	ND	0	16
SW-7	12/2/2021	4'	ND	ND	ND	ND	ND	0	80
BG-1	12/9/2021	0-1'	ND	ND	ND	12.2	10.7	22.9	176
BG-2	12/9/2021	0-1'	ND	ND	ND	ND	ND	0	192
BG-3	12/9/2021	0-1'	ND	ND	ND	12.5	10.3	22.8	192
BG-4	12/9/2021	0-1'	ND	ND	ND	13.2	16.8	30	176

ND = Analyte Not Detected SW = Side wall BG = Background

In order to achieve full vertical delineation a series of 3 test trenches across the excavation were excavated to a depth of 7-feet BGS. Results of these trenches can be found in the following data table. Test trench locations can be found on Test Trench Map in Appendix I. Complete laboratory results can be found in Appendix VI.

Table 3: Test Trench 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
TT-1	12/2/2021	5'	ND	ND	ND	ND	ND	0	16
		6'	ND	ND	ND	ND	ND	0	32
		7'	ND	ND	ND	ND	ND	0	16
TT-2	12/2/2021	5'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
		7'	ND	ND	ND	ND	ND	0	ND
TT-3	12/2/2021	5'	ND	ND	ND	ND	ND	0	32
		6'	ND	ND	ND	ND	ND	0	ND
		7'	ND	ND	ND	ND	ND	0	48

ND = Analyte Not Detected

Remedial Actions

- The impacted areas in the vicinity of sample points S-1 through S-3 of the initial assessment were excavated to a total depth of 4-feet BGS. Approximately an area of 3,800 square feet in total was excavated.

- The areas near test trench points TT-1 through TT-3 were excavated to 7-feet BGS to achieve vertical delineation.

- Composite confirmation samples were obtained from the sidewalls and bottoms of the excavated areas to verify that all contaminants above closure criteria had been removed. SW-4 was excavated approximately 3-feet horizontally at a depth of 4-feet BGS until closure criteria was met. The results are shown on Table 2 and the corresponding lab reports may be found in Appendix VI.

- All the excavated material (1,220 yds) was hauled to Lea Land, a NMOCD approved solid waste disposal facility.

- The excavated areas on the well pad were backfilled with new caliche at depth and brought to grade, machine compacted and contoured to match the surrounding location.

- The Final C-141 formally documenting the remedial actions is attached in Appendix III.

Closure

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

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

Respectfully submitted,

H&R Enterprises, LLC

Michael Collier
Environmental Project Manager

Attachments:

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

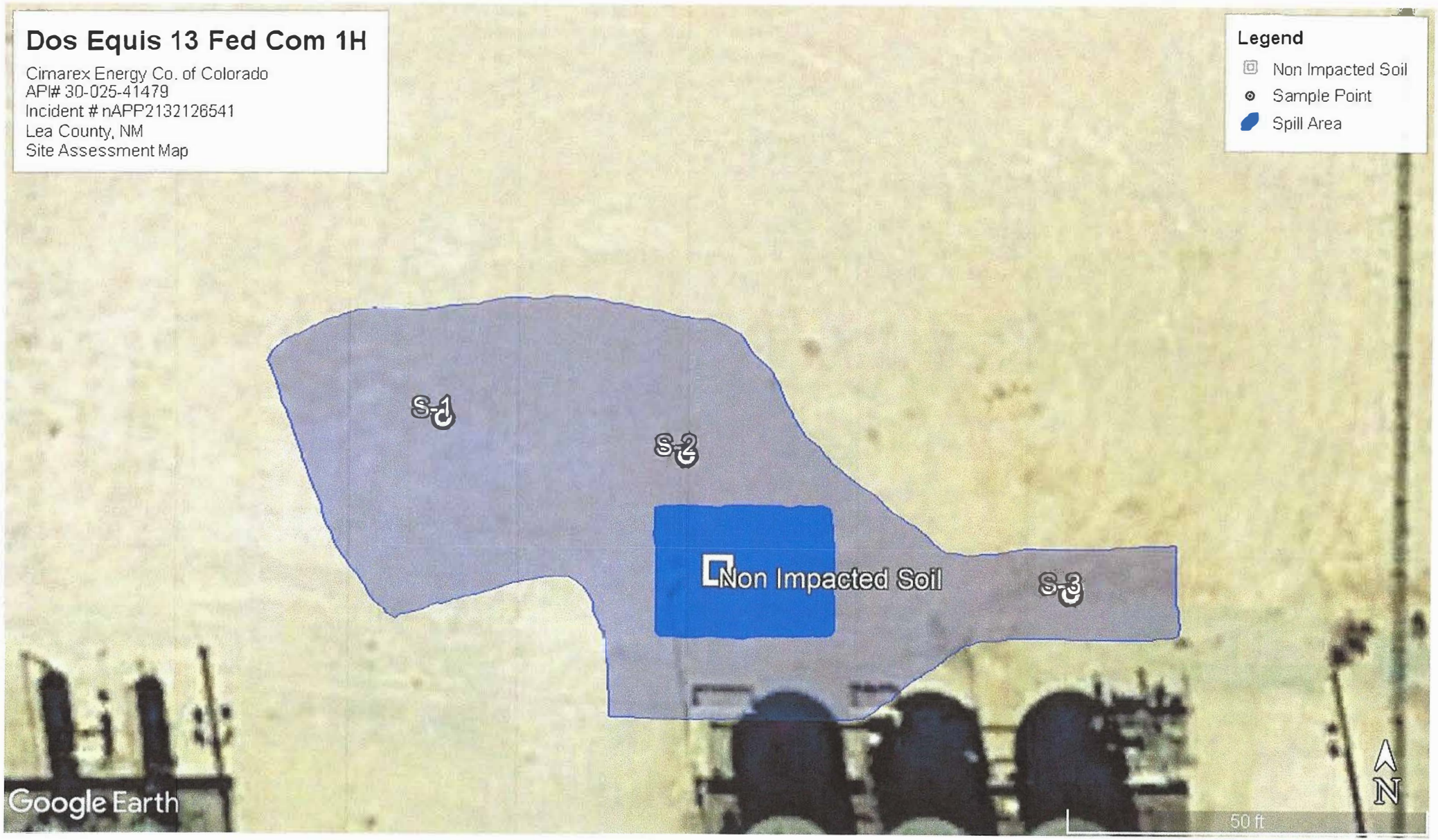
APPENDIX I

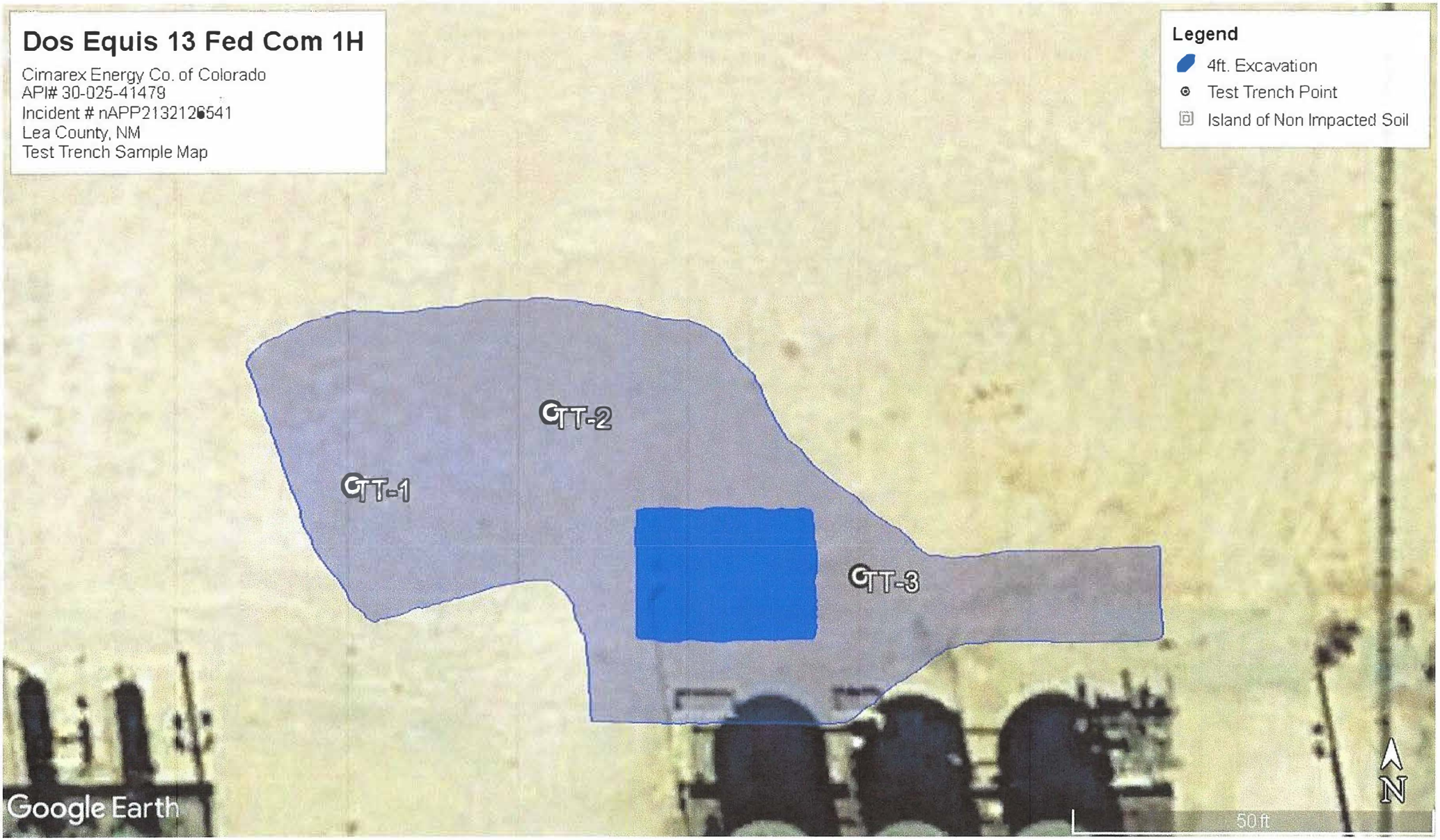
SITE MAPS

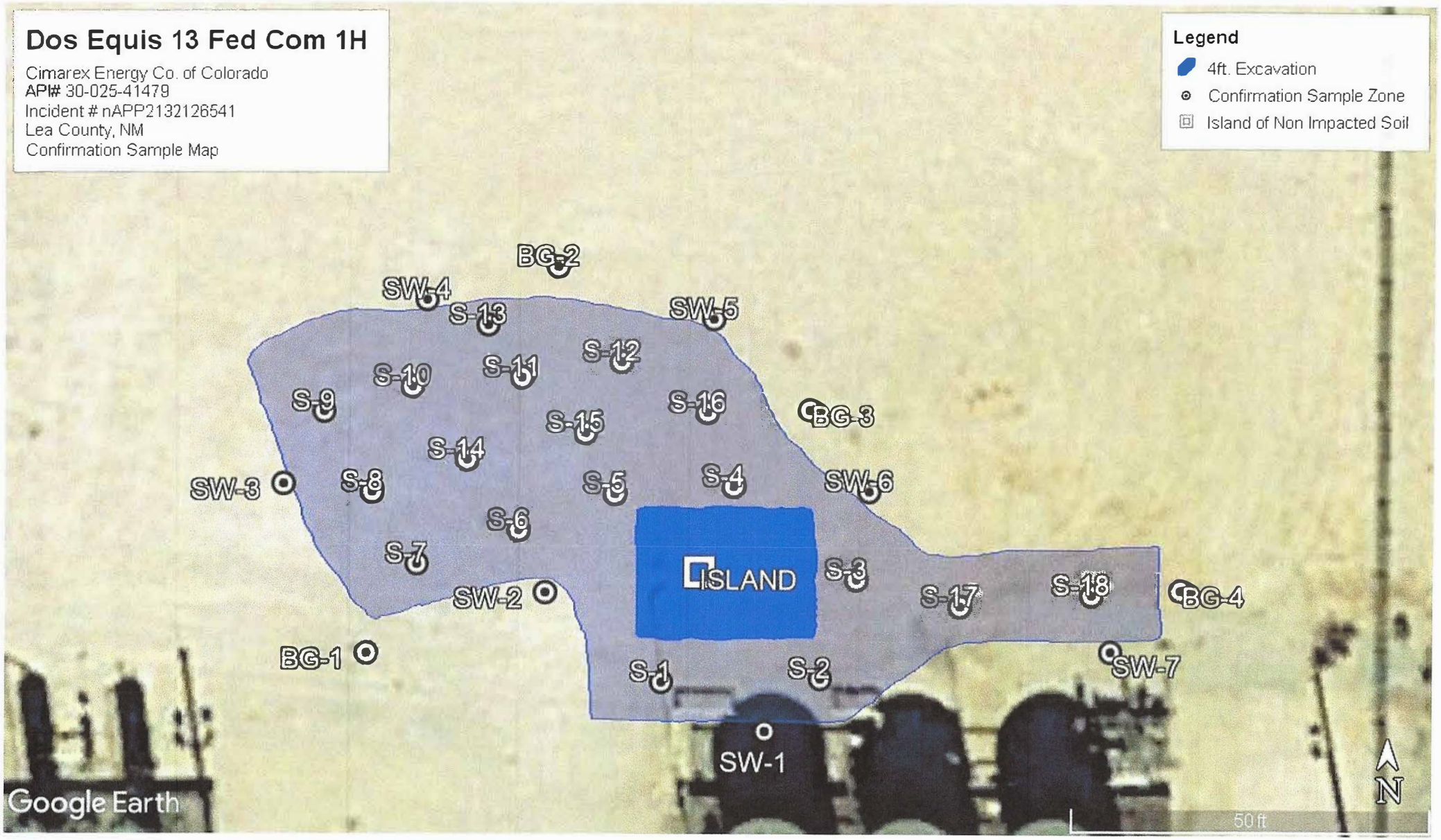
KARST MAP

TOPOGRAPHIC MAP

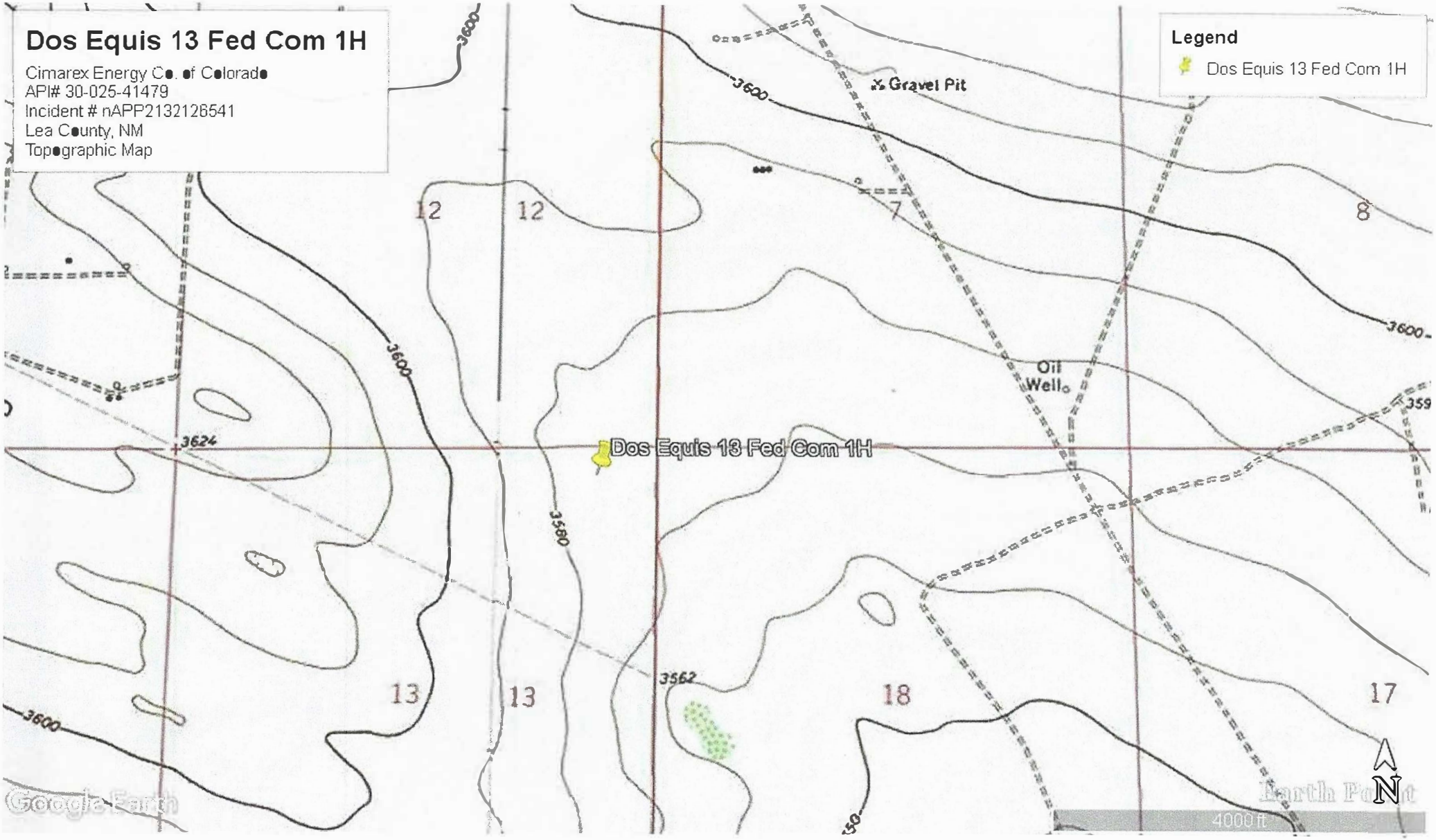
LOCATOR MAP

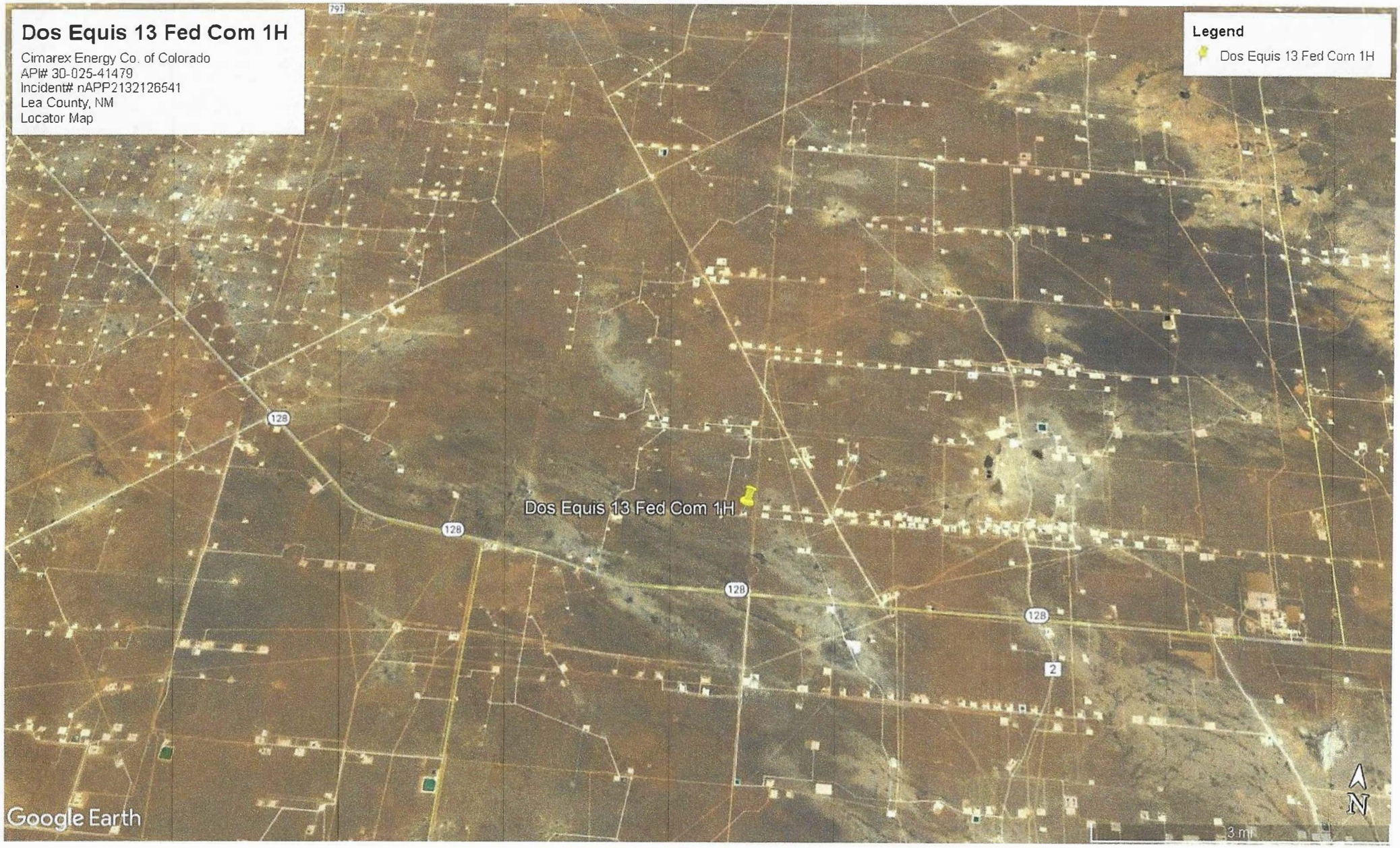

Dos Equis 13 Fed Com 1H
Cimarex Energy Co. of Colorado
API# 30-025-41479
Incident # nAPP2132126541
Lea County, NM
Site Assessment Map
Legend
Non Impacted Soil
Sample Point
Spill Area
S-1
S-2
S-3
Non Impacted Soil
Google Earth
50 ft
N


Dos Equis 13 Fed Com 1H
Cimarex Energy Co. of Colorado
API# 30-025-41479
Incident # nAPP2132126541
Lea County, NM
Test Trench Sample Map
Legend
4ft. Excavation
Test Trench Point
Island of Non Impacted Soil
TT-1
TT-2
TT-3
Google Earth
50 ft
N


Dos Equis 13 Fed Com 1H
Cimarex Energy Co. of Colorado
API# 30-025-41479
Incident # nAPP2132126541
Lea County, NM
Confirmation Sample Map
Legend
4ft. Excavation
Confirmation Sample Zone
Island of Non Impacted Soil
BG-2
SW-4
S-13
SW-5
S-12
S-11
S-10
S-9
S-16
BG-3
S-15
S-14
SW-3
S-8
S-5
S-4
SW-6
S-6
S-7
ISLAND
S-3
SW-2
S-17
S-18
BG-4
BG-1
S-1
S-2
SW-7
SW-1
Google Earth
N
50 ft

Dos Equis 13 Fed Com 1H
Cimarex Energy Co. of Colorado
API# 30-025-41479
Incident # nAPP2132126541
Lea County, NM
Karst Map
Legend
Dos Equis 13 Fed Com 1H
High
Low
Medium
Dos Equis 13 Fed Com 1H
128
128
128
Google Earth
N
1 mi


Dos Equis 13 Fed Com 1H
Cimarex Energy Co. of Colorado
API# 30-025-41479
Incident # nAPP2132126541
Lea County, NM
Topographic Map
Legend
Dos Equis 13 Fed Com 1H
Gravel Pit
Oil Well
Dos Equis 13 Fed Com 1H
3600
3624
3560
3562
12
12
7
8
13
13
18
17
N
4000 ft
Google Earth


Dos Equis 13 Fed Com 1H
Cimarex Energy Co. of Colorado
API# 30-025-41479
Incident# nAPP2132126541
Lea County, NM
Locator Map
Legend
Dos Equis 13 Fed Com 1H
Dos Equis 13 Fed Com 1H
128
2
Google Earth
3 mi
N

APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03565 POD3		CUB	LE		3	4	08	24S	33E	632763	3566546	2943			1533

Average Depth to Water: **1533 feet**

Minimum Depth: **1533 feet**

Maximum Depth: **1533 feet**

Record Count: 1

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 629853.91 **Northing (Y):** 3566102.57 **Radius:** 3000

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.

12/15/21 2:20 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 03565 POD3		3	4	08	24S	33E	632763	3566546

Driller License: 331 **Driller Company:** SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.

Driller Name:

Drill Start Date: 09/27/2012 **Drill Finish Date:** 10/21/2012 **Plug Date:**

Log File Date: 12/11/2012 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 8.90 **Depth Well:** **Depth Water:** 1533 feet

Water Bearing Stratifications:

Top	Bottom	Description
0	20	Other/Unknown
20	55	Sandstone/Gravel/Conglomerate
55	1227	Shale/Mudstone/Siltstone
1227	1262	Other/Unknown
1262	1295	Other/Unknown
1295	1310	Other/Unknown
1310	1330	Other/Unknown
1330	1375	Other/Unknown
1479	1489	Other/Unknown
1489	1533	Other/Unknown

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.

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 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: Negligible
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: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R042XC022NM - Sandhills

Received by OCD: 1/13/2022 6:47:09 AM

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

Released to Imaging: 2/3/2022 7:57:47 AM

Received by OCD: 1/13/2022 6:47:09 AM

National Flood Hazard Layer FIRMette

FEMA

103°37'38"W 32°13'43"N

103°37'W 32°13'13"N

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

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

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

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

OTHER FEATURES
- B 20.2 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- 8 Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/23/2021 at 11:38 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 2/3/2022 7:37:47 AM

APPENDIX III

INITIAL C-141

And

FINAL C-141

APPENDIX IV

BORING LOG

BORING LOCATION MAP

SCARBOROUGH DRILLING, INC.
TEST HOLES • WATER WELLS
P.O. Box 305 - Ph. 806-872-3285 or 872-9349
LAMESA, TEXAS 79331
2001 South Hwy. 87

WELL LOG

From	To	FORMATION
0	6	Top Soil
6	28	Caliche
28	55	Sand
		BH-1
		Cimarex - Dos Equis
		13 Fed Com 2
		Plugged w/ Hole Plug
	32,	223884, -103.626612

Date 2-1-21 Driller Lee Scarbo

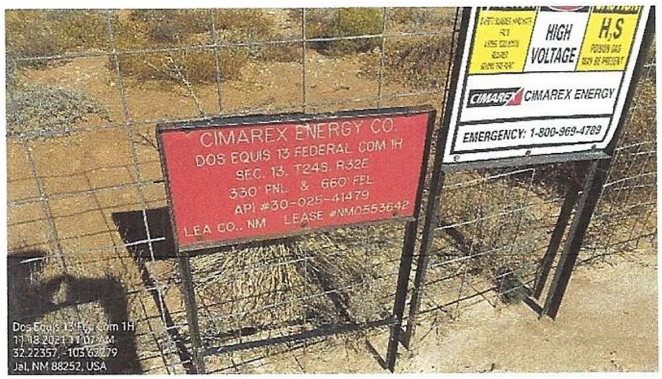
GIBBS PRINTING CO.-LAMESA, TX

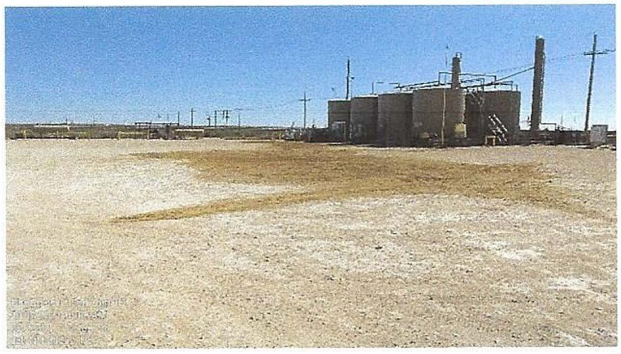
Dos Equis 13 Fed Com 1H
Cimarex Energy Co. of Colorado
API# 30-025-41479
Incident # nAPP2132126541
Lea County, NM
Water Boring Map
Legend
Distance from Location to Water Boring. 0.24 Miles
Dos Equis 13 Fed Com 1H
Exploratory Water Boring
Exploratory Water Boring
Dos Equis 13 Fed Com 1H
Google Earth
800 ft
N

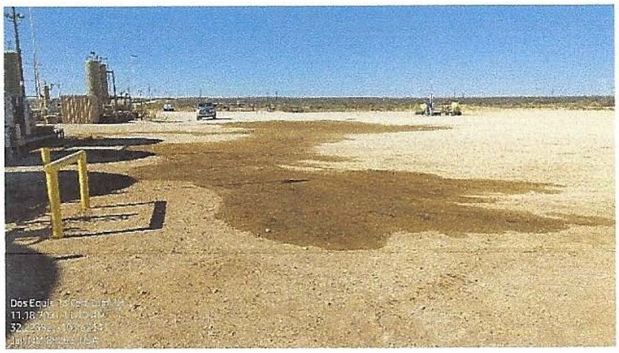
APPENDIX V

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION







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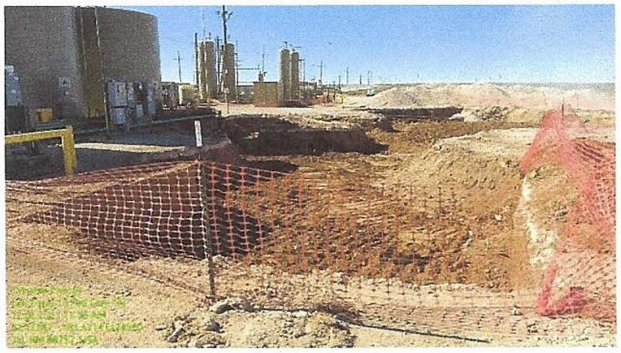

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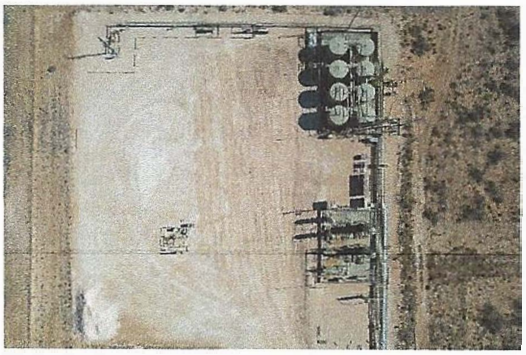

Water Boring

Looking at Dos Equis 13 from Water Boring

APPENDIX VI

LABORATORY REPORTS

SITE ASSESSMENT
LABORATORY DATA

CARDINAL Laboratories

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

November 23, 2021

MICHAEL COLLIER

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: DOS EQUIS 13 FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 11/22/21 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/22/2021	Sampling Date:	11/22/2021
Reported:	11/23/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 1 2' (H213362-01)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2021	ND	2.04	102	2.00	3.68	
Toluene*	**0.276**	0.050	11/22/2021	ND	1.93	96.7	2.00	4.29	
Ethylbenzene*	**0.232**	0.050	11/22/2021	ND	1.91	95.3	2.00	4.29	
Total Xylenes*	**1.52**	0.150	11/22/2021	ND	5.83	97.2	6.00	4.24	
Total BTEX	**2.02**	0.300	11/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/23/2021	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*	**52.7**	10.0	11/22/2021	ND	251	125	200	22.8	
DRO >C10-C28*	**550**	10.0	11/22/2021	ND	270	135	200	17.4	
EXT DRO >C28-C36	**67.7**	10.0	11/22/2021	ND					

Surrogate: 1-Chlorooctane *93.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *93.4 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/22/2021	Sampling Date:	11/22/2021
Reported:	11/23/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 1 3' (H213362-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2021	ND	2.04	102	2.00	3.68	
Toluene*	**0.131**	0.050	11/22/2021	ND	1.93	96.7	2.00	4.29	
Ethylbenzene*	**0.142**	0.050	11/22/2021	ND	1.91	95.3	2.00	4.29	
Total Xylenes*	**0.980**	0.150	11/22/2021	ND	5.83	97.2	6.00	4.24	
Total BTEX	**1.26**	0.300	11/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	11/23/2021	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*	**27.4**	10.0	11/22/2021	ND	251	125	200	22.8	
DRO >C10-C28*	**331**	10.0	11/22/2021	ND	270	135	200	17.4	
EXT DRO >C28-C36	**38.2**	10.0	11/22/2021	ND					

Surrogate: 1-Chlorooctane *83.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *82.0 %* *38.9-142*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/22/2021	Sampling Date:	11/22/2021
Reported:	11/23/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 2 2' (H213362-03)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.139**	0.050	11/22/2021	ND	2.04	102	2.00	3.68	
Toluene*	**1.60**	0.050	11/22/2021	ND	1.93	96.7	2.00	4.29	
Ethylbenzene*	**0.951**	0.050	11/22/2021	ND	1.91	95.3	2.00	4.29	
Total Xylenes*	**5.50**	0.150	11/22/2021	ND	5.83	97.2	6.00	4.24	
Total BTEX	**8.18**	0.300	11/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *128 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/23/2021	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*	**125**	10.0	11/22/2021	ND	251	125	200	22.8	
DRO >C10-C28*	**627**	10.0	11/22/2021	ND	270	135	200	17.4	
EXT DRO >C28-C36	**79.1**	10.0	11/22/2021	ND					

Surrogate: 1-Chlorooctane *91.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *86.8 %* *38.9-142*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/22/2021	Sampling Date:	11/22/2021
Reported:	11/23/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 2 3' (H213362-04)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2021	ND	2.04	102	2.00	3.68	
Toluene*	<0.050	0.050	11/22/2021	ND	1.93	96.7	2.00	4.29	
Ethylbenzene*	<0.050	0.050	11/22/2021	ND	1.91	95.3	2.00	4.29	
Total Xylenes*	<0.150	0.150	11/22/2021	ND	5.83	97.2	6.00	4.24	
Total BTEX	<0.300	0.300	11/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/23/2021	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	11/22/2021	ND	251	125	200	22.8	
DRO >C10-C28*	**41.1**	10.0	11/22/2021	ND	270	135	200	17.4	
EXT DRO >C28-C36	<10.0	10.0	11/22/2021	ND					

Surrogate: 1-Chlorooctane *76.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *74.3 %* *38.9-142*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/22/2021	Sampling Date:	11/22/2021
Reported:	11/23/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 3 2' (H213362-05)

BTEX 8021B mg/kg **Analyzed By: MS** **S-04**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.385**	0.050	11/22/2021	ND	2.04	102	2.00	3.68	
Toluene*	**4.49**	0.050	11/22/2021	ND	1.93	96.7	2.00	4.29	
Ethylbenzene*	**2.42**	0.050	11/22/2021	ND	1.91	95.3	2.00	4.29	
Total Xylenes*	**12.9**	0.150	11/22/2021	ND	5.83	97.2	6.00	4.24	
Total BTEX	**20.2**	0.300	11/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *162 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	11/23/2021	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*	**321**	10.0	11/22/2021	ND	251	125	200	22.8	
DRO >C10-C28*	**1210**	10.0	11/22/2021	ND	270	135	200	17.4	
EXT DRO >C28-C36	**162**	10.0	11/22/2021	ND					

Surrogate: 1-Chlorooctane *104 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *95.0 %* *38.9-142*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/22/2021	Sampling Date:	11/22/2021
Reported:	11/23/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 3 3' (H213362-06)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.114**	0.050	11/22/2021	ND	2.04	102	2.00	3.68	
Toluene*	**1.52**	0.050	11/22/2021	ND	1.93	96.7	2.00	4.29	
Ethylbenzene*	**0.873**	0.050	11/22/2021	ND	1.91	95.3	2.00	4.29	
Total Xylenes*	**5.07**	0.150	11/22/2021	ND	5.83	97.2	6.00	4.24	
Total BTEX	**7.58**	0.300	11/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *126 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/23/2021	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*	**108**	10.0	11/22/2021	ND	251	125	200	22.8	
DRO >C10-C28*	**509**	10.0	11/22/2021	ND	270	135	200	17.4	
EXT DRO >C28-C36	**69.1**	10.0	11/22/2021	ND					

Surrogate: 1-Chlorooctane *99.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *99.7 %* *38.9-142*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: H&R ENTERPRISES	BILL TO
Project Manager: M. COLLIER	P.O. #:
Address:	Company: CIMAREX
City: State: Zip:	Attn: LACI LUIG
Phone #: Fax #:	Address:
Project #: Project Owner: CIMAREX	City:
Project Name: Dos Equis 13 Fed Com. 1H	State: Zip:
Project Location: LEA COUNTY, NM	Phone #:
Sampler Name: M. COLLIER	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX	TPH	CHLORIDES
H213362 1	S-1 2'	G	1			✓					✓		11-22-21	11:05	✓	✓	✓
2	S-1 3'													11:10			
3	S-2 2'													11:20			
4	S-2 3'													11:25			
5	S-3 2'													11:30			
6	S-3 3'													11:35			

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Relinquished By: [signature]	Date: 11-22-21 Time: 1410	Received By: [signature]	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
			REMARKS: EMAIL ANALYTICALS TO: MCOLLIER@h-r-enterprises.com ilug@cimarex.com Rush!
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	2.5° C-0.5° 2.0° #113	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) TO.

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

TEST TRENCH
LABORATORY REPORT

CARDINAL Laboratories

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

December 08, 2021

MICHAEL COLLIER

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: DOS EQUIS 13 FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/03/21 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: TT - 1 5' (H213477-01)

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	12/06/2021	ND	1.55	77.7	2.00	10.4	QM-07
Toluene*	<0.050	0.050	12/06/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *98.0 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *81.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *80.7 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: TT - 1 6' (H213477-02)

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	12/06/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/06/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *87.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *86.4 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: TT - 1 7' (H213477-03)

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	12/06/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/06/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *97.5 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *84.1 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *82.6 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: TT - 2 5' (H213477-04)

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	12/06/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/06/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *99.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *88.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *85.7 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: TT - 2 6' (H213477-05)

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	12/06/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/06/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *84.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *81.2 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: TT - 2 7' (H213477-06)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *99.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/06/2021	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *92.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *88.8 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: TT - 3 5' (H213477-07)

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	12/06/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/06/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *99.0 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *84.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *80.4 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: TT - 3 6' (H213477-08)

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	12/06/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/06/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *98.8 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *90.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *86.4 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: TT - 3 7' (H213477-09)

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	12/06/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/06/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/06/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/06/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *85.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *81.6 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

CARDINAL Laboratories

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**
Project Manager: M. COLLIER	P.O. #:
Address:	Company: CIMAREX
City: State: Zip:	Attn: LACI LUIG
Phone #: Fax #:	Address:
Project #: Project Owner: CIMAREX	City:
Project Name: DOS EQUIS 13 FED COM 1 H	State: Zip:
Project Location: LEA COUNTY, NM	Phone #:
Sampler Name: M. COLLIER	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	TIME	BTEX	TPH	CHLORIDE
H213477 1	TT-1 5'	G	1			✓					✓		12-2-21	9:10	✓	✓	✓
2	TT-1 6'													9:13			
3	TT-1 7'													9:16			
4	TT-2 5'													9:35			
5	TT-2 6'													9:38			
6	TT-2 7'													9:41			
7	TT-3 5'													10:30			
8	TT-3 6'													10:33			
9	TT-3 7'													10:36			
10																	

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Relinquished By: [signature]	Date: 12-3-21 Time: 1030	Received By: [signature]	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
			REMARKS: EMAIL TO: cluig@cimarex.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.3° C-0.5° 2.8° #113	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials) T.O.

1 of 1

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

CONFIRMATION SAMPLE
AND
CONFIRMATION RESAMPLE
LABORATORY DATA

CARDINAL Laboratories

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

December 08, 2021

MICHAEL COLLIER

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: DOS EQUIS 13 FED COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/03/21 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 1 4' (H213478-01)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *98.6 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	**32.6**	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *86.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *83.3 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 2 4' (H213478-02)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.4 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *86.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *82.1 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 3 4' (H213478-03)

BTEX B021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *97.6 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	**45.1**	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *90.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *90.1 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 4 4' (H213478-04)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIC *98.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	**114**	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *84.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *83.5 %* *38.9-142*

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Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 5 4' (H213478-05)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *98.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	**19.8**	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *85.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *82.2 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 6 4' (H213478-06)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *99.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *91.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *88.9 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 7 4' (H213478-07)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *99.0 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	**18.2**	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *92.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *89.1 %* *38.9-142*

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Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 8 4' (H213478-08)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	**0.198**	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	12/07/2021	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*	**16.3**	10.0	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	**460**	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	**58.6**	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *90.1 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *88.3 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 9 4' (H213478-09)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *97.3 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	**91.1**	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *86.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *87.4 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 10 4' (H213478-10)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIC *98.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	**11.0**	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *84.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *81.7 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 11 4' (H213478-11)

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	12/07/2021	ND	1.55	77.7	2.00	10.4	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.9	2.00	13.5	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.56	78.1	2.00	14.4	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.62	76.9	6.00	16.3	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *98.4 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/07/2021	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	12/06/2021	ND	212	106	200	1.13	
DRO >C10-C28*	**50.2**	10.0	12/06/2021	ND	198	99.0	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *87.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *84.4 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 12 4' (H213478-12)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	QM-07
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIC *98.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *92.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *93.2 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 13 4' (H213478-13)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	**0.096**	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	**0.142**	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	**0.509**	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	**0.747**	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/07/2021	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*	**25.7**	10.0	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	**255**	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	**37.9**	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *99.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *104 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 14 4' (H213478-14)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	**0.176**	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/07/2021	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*	**10.8**	10.0	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	**170**	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	**23.0**	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *102 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *106 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 15 4' (H213478-15)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIC *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	**56.3**	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *96.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *97.7 %* *38.9-142*

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Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 16 4' (H213478-16)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	**0.235**	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *108 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	**135**	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	**17.7**	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *95.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *99.0 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

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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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 17 4' (H213478-17)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	**0.067**	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	**0.251**	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	**0.318**	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIC *107 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	12/07/2021	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*	**12.6**	10.0	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	**242**	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	**38.1**	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *97.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *103 %* *38.9-142*

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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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: S - 18 4' (H213478-18)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *99.1 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	**124**	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	**17.0**	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *98.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *102 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

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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:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: SW - 1 4' (H213478-19)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIC *98.7 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *91.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *91.0 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: SW - 2 4' (H213478-20)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *97.7 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	**17.5**	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *89.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *89.6 %* *38.9-142*

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CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/01/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: SW - 3 4' (H213478-21)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.6 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *87.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *87.9 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: SW - 4 4' (H213478-22)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *100 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	**179**	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	**18.0**	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *94.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *99.5 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: SW - 5 4' (H213478-23)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIL *97.7 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	**76.6**	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *94.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *95.0 %* *38.9-142*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: SW - 6 4' (H213478-24)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *94.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *94.0 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/03/2021	Sampling Date:	12/02/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	DOS EQUIS 13 FED COM 1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA CO NM		

Sample ID: SW - 7 4' (H213478-25)

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	12/07/2021	ND	1.53	76.5	2.00	12.1	
Toluene*	<0.050	0.050	12/07/2021	ND	1.58	78.8	2.00	11.7	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.54	76.9	2.00	15.3	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	4.60	76.7	6.00	16.4	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.3 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	12/07/2021	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	12/06/2021	ND	224	112	200	18.6	
DRO >C10-C28*	<10.0	10.0	12/06/2021	ND	208	104	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	12/06/2021	ND					

Surrogate: 1-Chlorooctane *92.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *93.0 %* *38.9-142*

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

CARDINAL Laboratories

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**
Project Manager: M. COLLIER	P.O. #:
Address:	Company: CINAREX
City: State: Zip:	Attn: LACI LUIG
Phone #: Fax #:	Address:
Project #: Project Owner: CINAREX	City:
Project Name: DOS EQUIS 13 FED COM 1 H	State: Zip:
Project Location: LEA COUNTY, NM	Phone #:
Sampler Name: M. COLLIER	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	BTEX	TPH	CHLORIDES
H213478																	
1	S-1 4'	C	1			✓					✓		12-1-21	12:00	✓	✓	✓
2	S-2 4'													12:03			
3	S-3 4'													12:06			
4	S-4 4'													12:09			
5	S-5 4'													12:12			
6	S-6 4'													12:55			
7	S-7 4'													12:58			
8	S-8 4'													1:01			
9	S-9 4'													1:04			
10	S-10 4'												12-2-21	11:00			

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Relinquished By:	Date:	Received By:	Phone Result: ☐ Yes ☐ No	Add'l Phone #:
[signature]	12-3-21	[signature]	Fax Result: ☐ Yes ☐ No	Add'l Fax #:
	Time: 1030		REMARKS:	
Relinquished By:	Date:	Received By:	EMAIL ANALYTICALS TO: ~~[illegible]~~ mb LLuig@CINAREX.COM	
	Time:			

Delivered By: (Circle One) 3.3° C-0.5° 2.8° #113
Sampler - UPS - Bus - Other:

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

CHECKED BY: (Initials) T.O.

Pg 1 of 3

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

CARDINAL Laboratories

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**
Project Manager:	P.O. #:
Address:	Company: CIMAREX
City: State: Zip:	Attn: LACI LUIG
Phone #: Fax #:	Address:
Project #: Project Owner: CIMAREX	City:
Project Name: DOS EQUIS 13 FED COM 1H	State: Zip:
Project Location: LEA COUNTY, NM	Phone #:
Sampler Name: M. COLLIER	Fax #:

ANALYSIS REQUEST: BTEX, TPH, CHLORIDES

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME
H213478														
11	S-11 4'	C	1			✓					✓		12-2-21	11:03
12	S-12 4'													11:06
13	S-13 4'													11:09
14	S-14 4'													11:12
15	S-15 4'													11:15
16	S-16 4'													2:30
17	S-17 4'													2:33
18	S-18 4'													2:36
19	SW-1 4'												12-1-21	1:03
20	SW-2 4'												1	1:10

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [signature]	Date: 12-3-21 Time: 1036	Received By: [signature]	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #: REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.3° C-0.5° 2.8° #113	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) TD

Pg 2 of 3

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

CARDINAL Laboratories

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**
Project Manager: M. COLLIER	P.O. #:
Address:	Company:
City: State: Zip:	Attn: LACI LUG
Phone #: Fax #:	Address:
Project #: Project Owner: CIMAREX	City:
Project Name: DOS EQUIS 13 FED COM 1H	State: Zip:
Project Location: LEA COUNTY, NM	Phone #:
Sampler Name: M. COLLIER	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	TIME	BTEX	TPH	CHLORIDES
H213478																	
21	SW-3 4'	C	1			✓					✓		12-1-21	1:13	✓	✓	✓
22	SW-4 4'												12-2-21	11:20			
23	SW-5 4'													11:23			
24	SW-6 4'													2:40			
25	SW-7 4'													2:43			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [signature]	Date: 12-3-21 Time: 1030	Received By: [signature]	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
			REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.3° C-0.5°C 2.8° #113	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)

Pg 3 of 3

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

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

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

CONDITIONS

Action 72129

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 72129
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	2/3/2022