Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2112355045
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: 6/28/2021

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

OCD Only

Received by: Ramona Marcus Date: 6/30/2021

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: 07/16/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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	nAPP2112355045
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)* nAPP2112355045
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.23621 Longitude -103.64876

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Dos Equis 11 14 Federal	Site Type: Battery
Date Release Discovered: 5/1/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
C	11	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)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 28	Volume Recovered (bbls) 10
	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: Mechanical Failure
A seal went out on the water transfer pump causing a release of 28 barrels of produced water. A total of 11 barrels was released inside containment and 17 barrels was outside of containment. A vac truck recovered 10 barrels of produced water. We will reach out to an environmental company to assist with the remediation.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2112355045
District RP	
Facility ID	
Application ID	

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 released is greater than 25 barrels.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
By: Gloria Garza
To: Mike Bratcher, Cristina Eads, Robert Hamlet, District 1 Spills, BLM CFO Spill
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: 5/3/2021

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

OCD Only

Received by: Ramona Marcus Date: 6/30/2021

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ 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.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 6/30/2021

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
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Closure

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Printed Name: _____ Title: _____

Signature: Kaci Lõ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 6/30/2021

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

NAPP2112355045

Site Information

Closure Report
Dos Equis 11 14 Federal
Lea County, New Mexico
Unit C Sec 11 T24S R32E
Incident ID: NAPP2112355045
32.23621°, -103.64876°

Produced Water Release
Source: Seal failed on water transfer pump
Release Date: 5/1/2021
Volume Released: 28 bbls/Produced Water
Volume Recovered: 10 bbls/Produced Water

Prepared for:
Cimarex Energy Co.
600 N Marienfeld Street
Suite 600
Midland, TX 79701

Prepared by:
NTG Environmental
701 Tradewinds Blvd
Suite C
Midland, TX 79706

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TABLES/PHOTOLOG

APPENDICES

701 Tradewinds Boulevard, Suite C
Midland, Texas 79706
Tel. 432.685.3898
www.ntglobal.com

June 28, 2021

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Closure Report
Dos Equis 11 14 Federal
Cimarex Energy Co.
Site Location: Unit C, S11, T24S, R32E
(Lat 32.23621º, Long -103.64876º)
Lea County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co., New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities for the Dos Equis 11 14 Federal. The site is located at 32.23621 º, -103.64876º within Unit C, S11, T24S, R32E, and approximately 28.02 miles Northwest of Jal, New Mexico, in Lea County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on May 5, 2021, and released approximately twenty-eight (28) barrels of produced water due to a seal failure on the water transfer pump. A vacuum truck was dispatched to remove all freestanding fluids, recovering ten (10) barrels of produced water. The impacted area on the pad measured approximately 90' x 48', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a ½ mile radius of the location. The closest identified well is located approximately 1.1 miles Northwest of the site in S3, T24S, R32E. The well has a reported depth to groundwater of 454.43 feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* report is attached in Appendix B.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride 600 mg/kg

At-Risk Remediation Activities and Confirmation Sampling

On June 10, 2021, NTGE conducted site assessment activities to assess soil impacts resulting from the release before starting the remediation. A total of three (3) trench locations were advanced to depths ranging surface – 3.5 ft bgs within and surrounding the release area to assess the vertical and horizontal extent of potential impacts. The samples were field screened using an ExStik II EC400 meter, a LaMotte Chloride kit, and a PID meter. The soil sample locations are shown on Figure 3.

New Tech Global Environmental personnel were onsite from June 10-11, 2021, to supervise the remediation activities and collect confirmation samples. Before remediating the site, the lines were hand spotted for safety concerns. The area of T-1 was excavated to a depth of 3.7' below surface. In addition, the areas of T-2 and T-3 were excavated to a depth of 1.0' below surface.

A total of eighteen (18) confirmation samples were collected (CS-1 through CS-18), and sixteen (16) sidewall samples (SW-1 through SW-16) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the 19.15.29.12 NMAC criteria. Refer to Table 1.

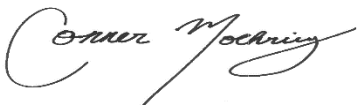
Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 360 cubic yards of material were excavated and transported offsite for proper disposal.

Conclusions

Based on the finding of the assessment and the analytical results, no further actions are required at the site. The final C-141 is attached, and Cimarex formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432- 813-0263.

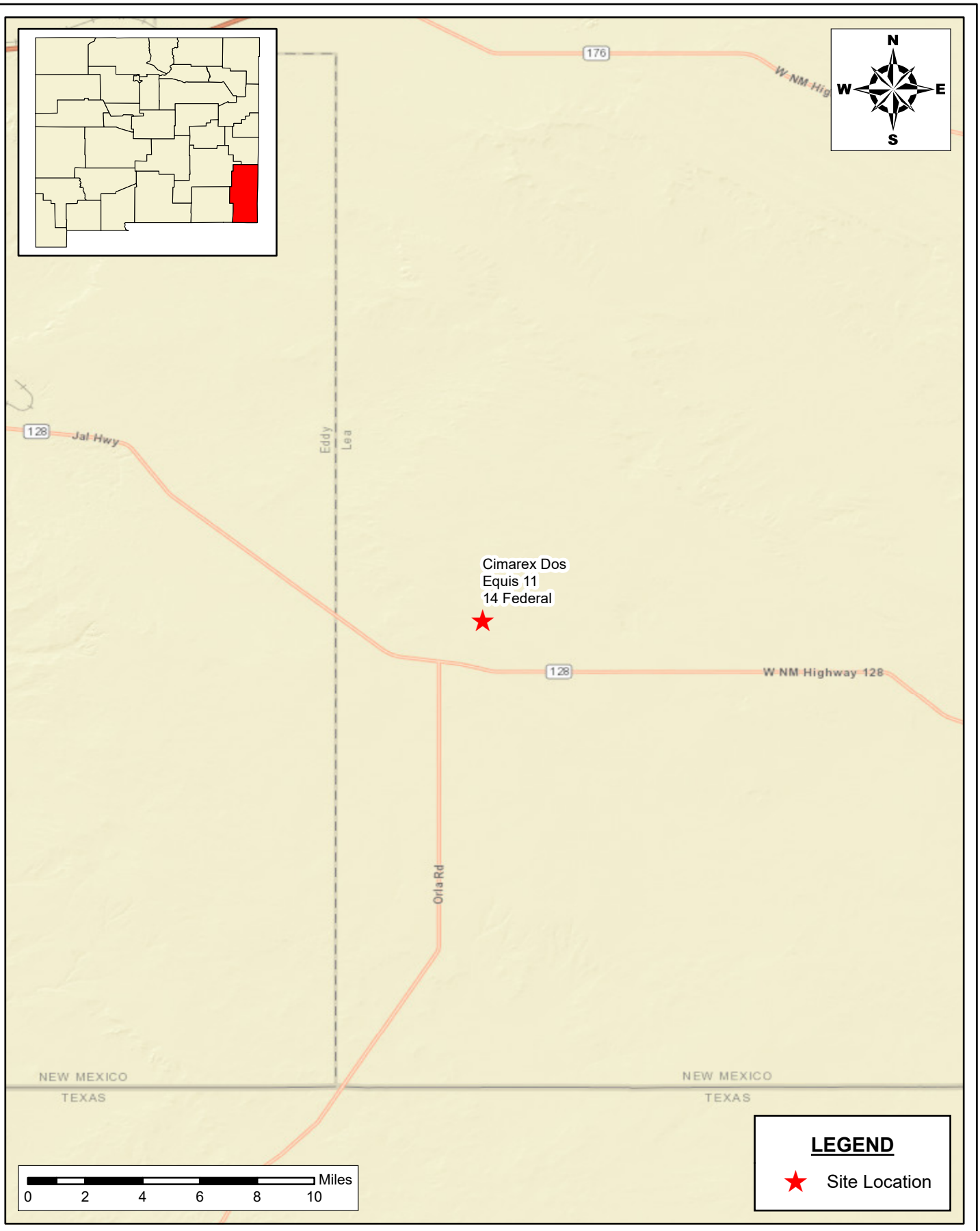
Sincerely,
NTG Environmental

Mike Carmona
Senior Project Manager



Conner Moehring
Project Manager

Figures



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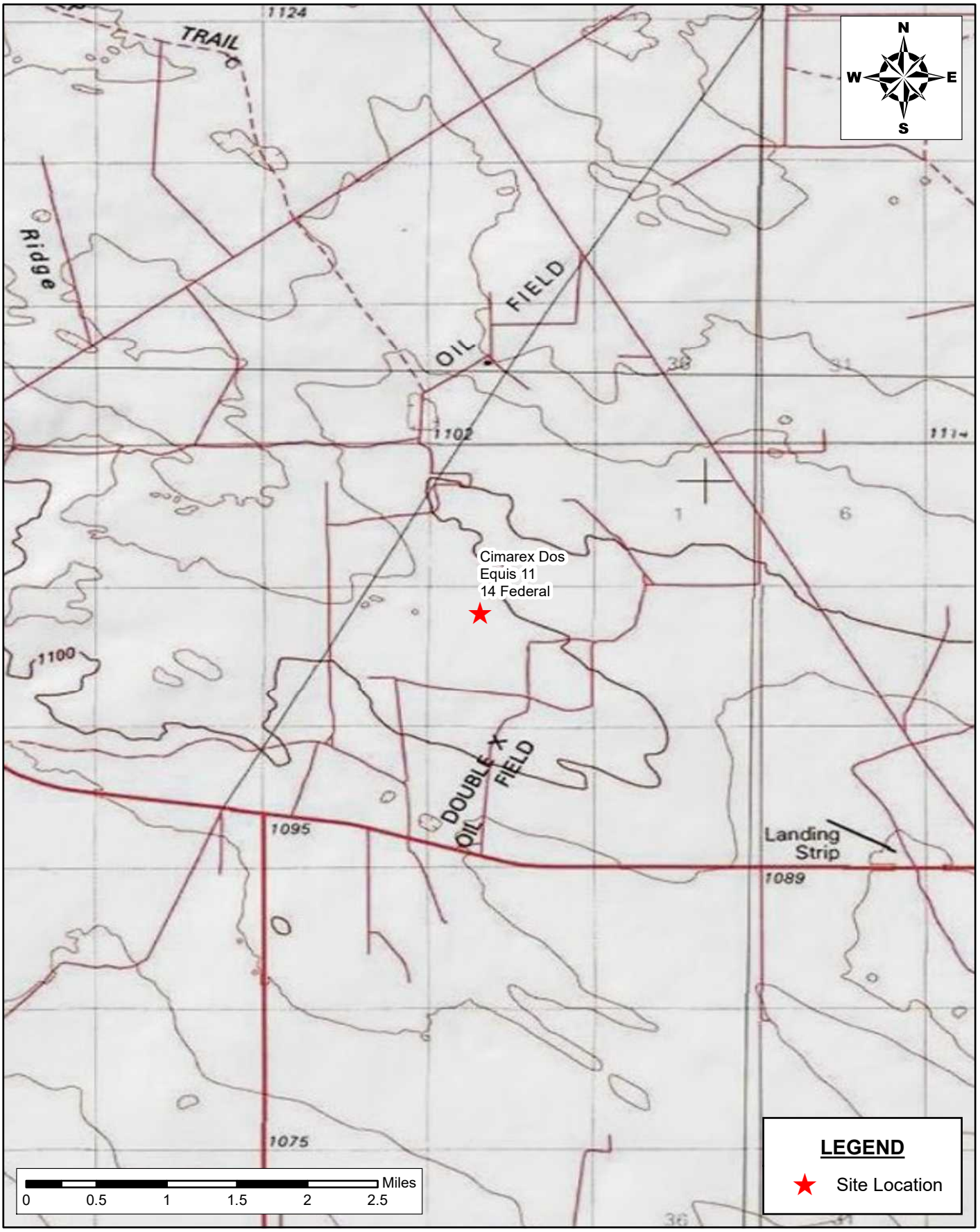
SITE LOCATION MAP
CIMAREX ENERGY CO.
DOS EQUIS 11 14 FEDERAL
LEA COUNTY, NEW MEXICO
32.236391, -103.648789

SCALE: As Shown	Date: 6/20/2021	PROJECT #: 214316

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



AREA MAP
CIMAREX ENERGY CO.
DOS EQUIS 11 14 FEDERAL
LEA COUNTY, NEW MEXICO
32.236391, -103.648789

SCALE: As Shown | Date: 6/20/2021 | PROJECT #: 214316

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

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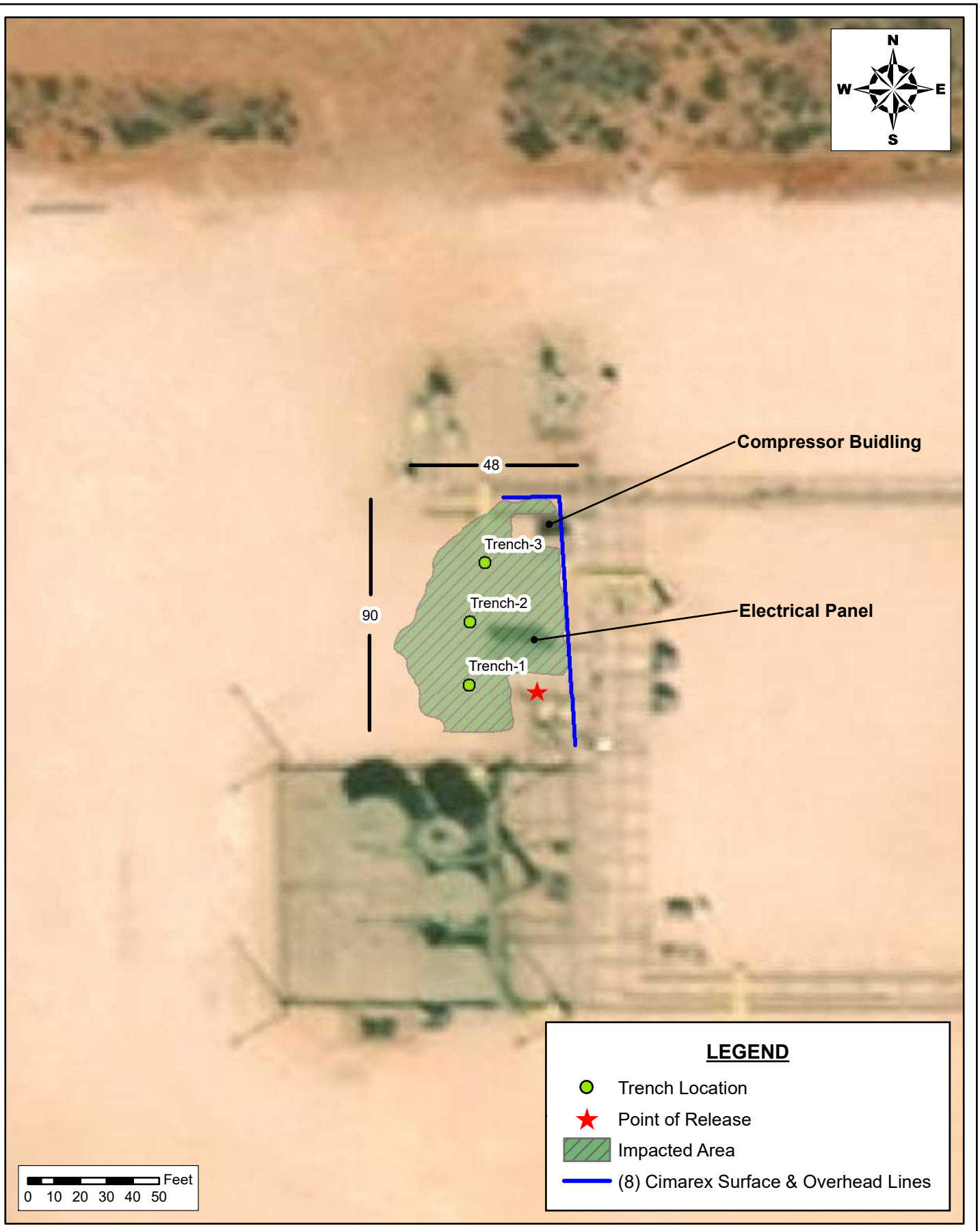

SAMPLE LOCATION MAP
CIMAREX ENERGY CO.
DOS EQUIS 11 14 FEDERAL
LEA COUNTY, NEW MEXICO
32.236391, -103.648789

SCALE: As Shown	Date: 6/23/2021	PROJECT #: 214316

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

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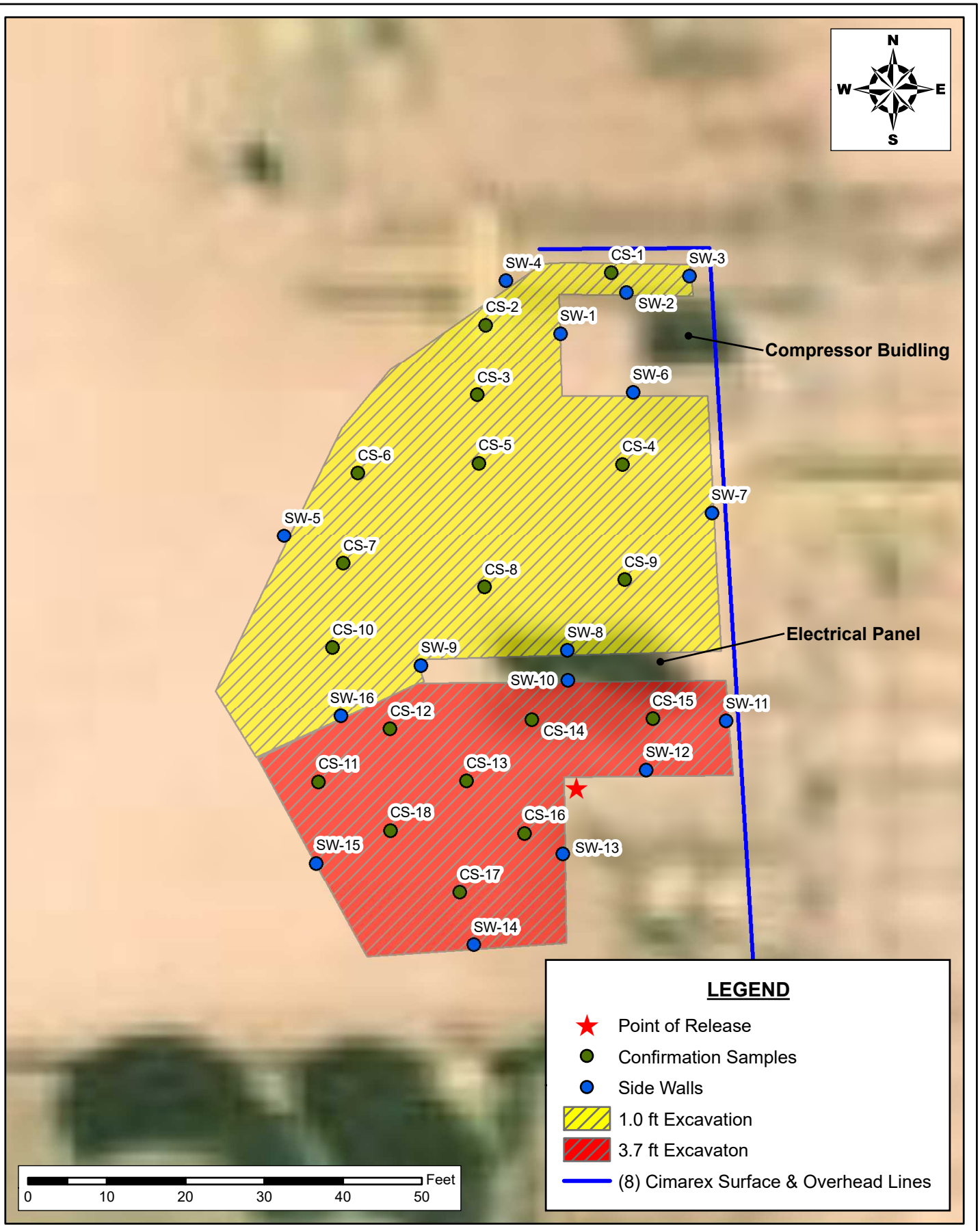

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SITE EXCAVATION MAP
CIMAREX ENERGY CO.
DOS EQUIS 11 14 FEDERAL
LEA COUNTY, NEW MEXICO
32.236391, -103.648789

SCALE: As Shown	Date: 6/22/2021	PROJECT #: 214316

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:
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2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

Tables

Table 1
Cimarex Energy Co.
Dos Equis 11 14 Federal
Lea County, New Mexico

Sample ID	Date	Excavation Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	6/10/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.2
CS-2	6/10/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.2
CS-3	6/10/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.5
CS-4	6/10/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CS-5	6/11/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	193
CS-6	6/11/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	113
CS-7	6/11/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.8
CS-8	6/11/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	276
CS-9	6/11/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	342
CS-10	6/11/2021	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	302
CS-11	6/11/2021	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	243
CS-12	6/11/2021	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	101
CS-13	6/11/2021	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	123
CS-14	6/11/2021	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.28
CS-15	6/11/2021	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CS-16	6/11/2021	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.9
CS-17	6/11/2021	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.1
CS-18	6/11/2021	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.39
SW-1	6/10/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.2
SW-2	6/10/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	248
SW-3	6/10/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	174

Table 1
Cimarex Energy Co.
Dos Equis 11 14 Federal
Lea County, New Mexico

Sample ID	Date	Excavation Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-4	6/10/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.31
SW-5	6/10/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-6	6/10/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.5
SW-7	6/11/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.17
SW-8	6/11/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.6
SW-9	6/11/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.26
SW-10	6/11/2021	-	ND	37.5	ND	37.5	ND	ND	ND	ND	ND	184
SW-11	6/11/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-12	6/11/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-13	6/11/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-14	6/11/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.9
SW-15	6/11/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.54
SW-16	6/11/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.05
Regulatory Limits						**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

ND - Non-Detect

Photo Log

PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 1

Facility: Dos Equis 11 14 Federal

County: Lea County, New Mexico

Description:
View Southeast, areas of Trenchs (1-2)

Photograph No. 2

Facility: Dos Equis 11 14 Federal

County: Lea County, New Mexico

Description:
View Southeast, area of Trench (3)

Photograph No. 3

Facility: Dos Equis 11 14 Federal

County: Lea County, New Mexico

Description:
View Southeast, area of Confirmation samples (1-10)

PHOTOGRAPHIC LOG

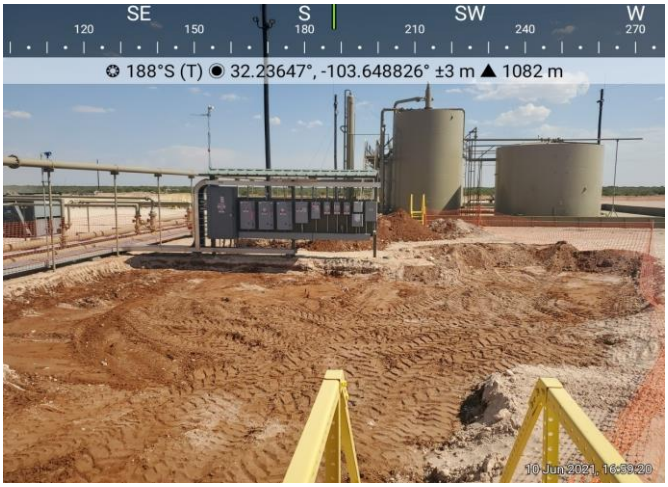
Cimarex Energy Co.

Photograph No. 4

Facility: Dos Equis 11 14 Federal

County: Lea County, New Mexico

Description:
View South, area of Confirmation samples (1-10)



Photograph No. 5

Facility: Dos Equis 11 14 Federal

County: Lea County, New Mexico

Description:
View Southeast, area of Confirmation samples (11-18)

Appendix A

Appendix B

Cimarex Dos Equis 11 14 Federal

Unit C Sec 11 204S 32E

32.23621°, -103.64876°

Lea County

-No water features within specified distances of 1/2 mile radius

-Low Karst

-USGS Groundwater is 454.43' below surface, 1.1 miles Northwest of the site, 1976 drilled

-USGS Groundwater is 289.69' below surface, 4.51 miles Southwest of the site, 1959 drilled

-USGS Groundwater is 33.96' below surface, 1.15 miles Southwest of the site, 1950 drilled

-NMSEO Groundwater is 380' below surface, 3.0 miles Northwest of the site, 2013 drilled

RRALs due to insufficient groundwater data

-Chlorides **600** mg/kg

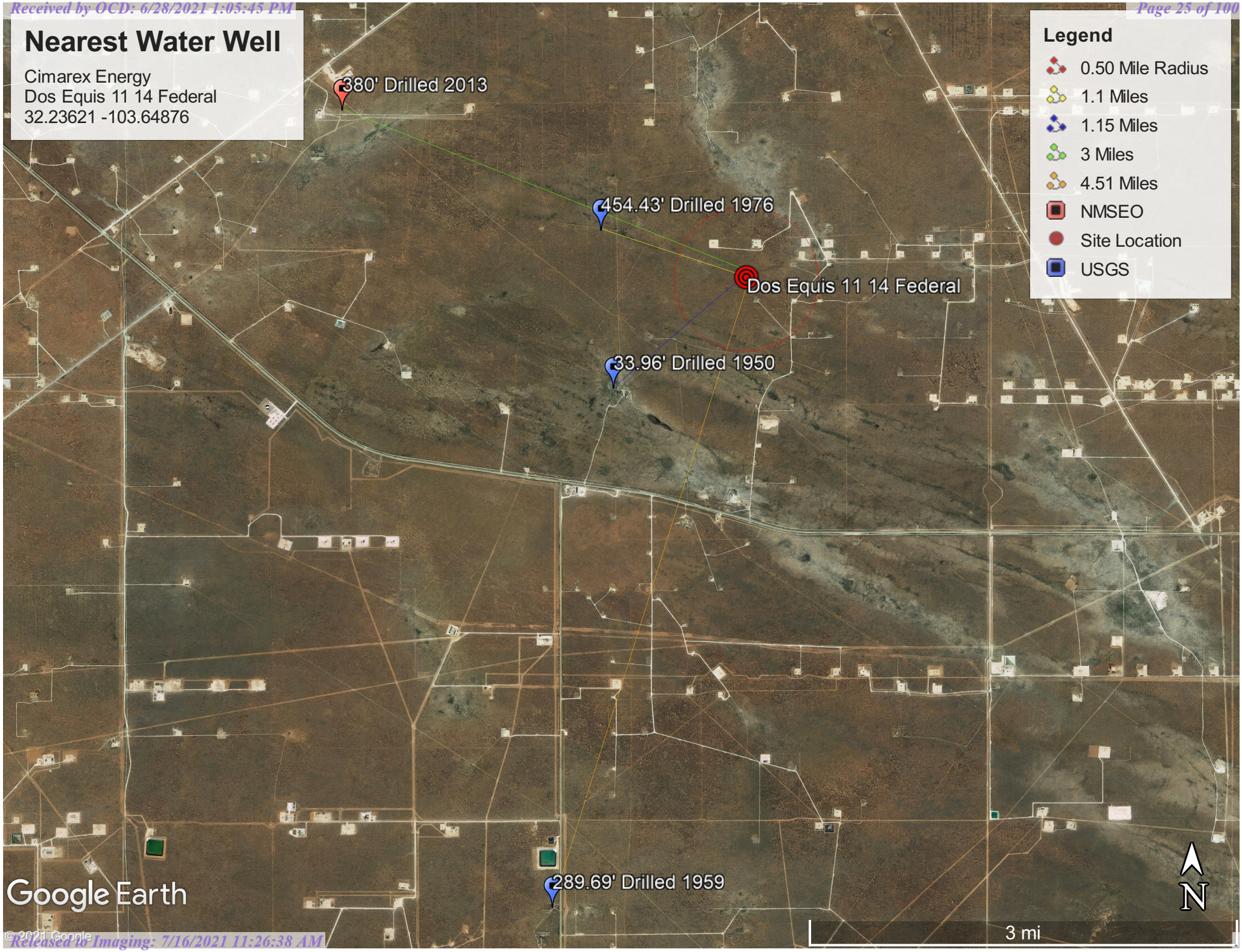
-TPH GRO+DRO+MRO **100** mg/kg

-BTEX **50** mg/kg

-Benzene **10** mg/kg

Nearest Water Well

Cimarex Energy
Dos Equis 11 14 Federal
32.23621 -103.64876



NMHE Web Mapping Application

Please select a county | About

Data Layers | Measure | Print | Bookmarks | Switch Basemap

32.23621 -103.64876

BOOTLEG RIDGE

TRISTE DRAW OIL FIELD

Search Result

Y:32.236210 X:-103.648760

W NM Highway 128

FEMA | Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

Cimarex Dos Equis 11 14 Federal

32.23621 -103.64876

Legend

HIGH

LOW

MEDIUM

Jal Hwy

Dos Equis 11 14 Federal

128

N

9 mi

Google Earth

Image Landsat / Copernicus

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	Depth Well	Depth Water	Water Column
C 01932		C	ED		3	1	12	24S	32E	628633	3567188*	492		
C 02350		CUB	ED		4	3	10	24S	32E	625826	3566333*	60		
C 03527 POD1		C	LE	1	2	3	03	24S	32E	625770	3568487	500		
C 03528 POD1		C	LE	1	1	2	15	24S	32E	626040	3566129	541		
C 03530 POD1		C	LE	3	4	3	07	24S	32E	620886	3566156	550		
C 03555 POD1		C	LE	2	2	1	05	24S	32E	622748	3569233	600	380	220
C 04536 POD1		C	LE	1	2	2	33	24S	32E	625019	3561244	600		

Average Depth to Water: **380 feet**

Minimum Depth: **380 feet**

Maximum Depth: **380 feet**

Record Count: 7

PLSS Search:

Township: 24S **Range:** 32E

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 03555 POD1	2	2	1	05	24S	32E	622748	3569233

Driller License: 1654 **Driller Company:** NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC

Driller Name:

Drill Start Date: 10/20/2013 **Drill Finish Date:** 10/21/2013 **Plug Date:**

Log File Date: 11/07/2013 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 5 GPM

Casing Size: 6.00 **Depth Well:** 600 feet **Depth Water:** 380 feet

Water Bearing Stratifications:	Top	Bottom	Description
	475	550	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	460	520

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321428103395801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321428103395801 24S.32E.03.32124

Lea County, New Mexico
Latitude 32°14'28", Longitude 103°39'58" NAD27
Land-surface elevation 3,653 feet above NAVD88
The depth of the well is 550 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1976-01-22		D	62610		3196.84	NGVD29	1	Z		
1976-01-22		D	62611		3198.57	NAVD88	1	Z		
1976-01-22		D	72019	454.43			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321312103395601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321312103395601 24S.32E.10.344333

Lea County, New Mexico
Latitude 32°13'30.4", Longitude 103°39'52.7" NAD83
Land-surface elevation 3,589.00 feet above NGVD29
The depth of the well is 60 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1950-04-13		D	62610		3555.36	NGVD29	1	Z		
1950-04-13		D	62611		3557.09	NAVD88	1	Z		
1950-04-13		D	72019	33.64			1	Z		
1955-06-03		D	62610		3557.10	NGVD29	3	Z		
1955-06-03		D	62611		3558.83	NAVD88	3	Z		
1955-06-03		D	72019	31.90			3	Z		
1976-01-22		D	62610		3557.20	NGVD29	1	Z		
1976-01-22		D	62611		3558.93	NAVD88	1	Z		
1976-01-22		D	72019	31.80			1	Z		
1981-03-20		D	62610		3569.07	NGVD29	1	Z		
1981-03-20		D	62611		3570.80	NAVD88	1	Z		
1981-03-20		D	72019	19.93			1	Z		
1986-03-18		D	62610		3551.84	NGVD29	1	Z		
1986-03-18		D	62611		3553.57	NAVD88	1	Z		
1986-03-18		D	72019	37.16			1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1991-05-29		D	62610		3549.36	NGVD29	1	Z		
1991-05-29		D	62611		3551.09	NAVD88	1	Z		
1991-05-29		D	72019	39.64			1	Z		
1996-03-14		D	62610		3550.80	NGVD29	1	S		
1996-03-14		D	62611		3552.53	NAVD88	1	S		
1996-03-14		D	72019	38.20			1	S		
2001-02-27		D	62610		3552.42	NGVD29	1	S		
2001-02-27		D	62611		3554.15	NAVD88	1	S		
2001-02-27		D	72019	36.58			1	S		
2006-02-07	16:30 UTC	m	62610		3569.60	NGVD29	1	S	USGS	
2006-02-07	16:30 UTC	m	62611		3571.33	NAVD88	1	S	USGS	
2006-02-07	16:30 UTC	m	72019	19.40			1	S	USGS	
2010-12-16	22:30 UTC	m	62610		3555.04	NGVD29	1	S	USGS	
2010-12-16	22:30 UTC	m	62611		3556.77	NAVD88	1	S	USGS	
2010-12-16	22:30 UTC	m	72019	33.96			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321005103402301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 321005103402301 24S.32E.33.42241

Lea County, New Mexico
Latitude 32°10'21.6", Longitude 103°40'18.9" NAD83
Land-surface elevation 3,499.00 feet above NGVD29
The depth of the well is 367 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1959-02-18		D	62610		3185.60	NGVD29	1	Z		
1959-02-18		D	62611		3187.32	NAVD88	1	Z		
1959-02-18		D	72019	313.40			1	Z		
1981-06-12		D	62610		3194.60	NGVD29	1	Z		
1981-06-12		D	62611		3196.32	NAVD88	1	Z		
1981-06-12		D	72019	304.40			1	Z		
1986-03-11		D	62610		3193.79	NGVD29	1	Z		
1986-03-11		D	62611		3195.51	NAVD88	1	Z		
1986-03-11		D	72019	305.21			1	Z		
1991-05-29		D	62610		3211.55	NGVD29	1	Z		
1991-05-29		D	62611		3213.27	NAVD88	1	Z		
1991-05-29		D	72019	287.45			1	Z		
1996-03-14		D	62610		3213.60	NGVD29	1	S		
1996-03-14		D	62611		3215.32	NAVD88	1	S		
1996-03-14		D	72019	285.40			1	S		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
2001-02-27		D	62610		3210.32	NGVD29	1	S		
2001-02-27		D	62611		3212.04	NAVD88	1	S		
2001-02-27		D	72019	288.68			1	S		
2013-01-17	16:30 UTC	m	62610		3209.31	NGVD29	1	S	USGS	
2013-01-17	16:30 UTC	m	62611		3211.03	NAVD88	1	S	USGS	
2013-01-17	16:30 UTC	m	72019	289.69			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Appendix C

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Mike Carmona
NTG Environmental
701 Tradewinds BLVD
Midland, TX 79706

Project: Cimarex-Dos Equis 11 14 Fed
Project Number: 214316
Location: Lea Co. NM

Lab Order Number: 1F14004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/18/21

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-1 @ 1'	1F14004-01	Soil	06/10/21 00:00	06-14-2021 09:00
CS-2 @ 1'	1F14004-02	Soil	06/10/21 00:00	06-14-2021 09:00
CS-3 @ 1'	1F14004-03	Soil	06/10/21 00:00	06-14-2021 09:00
CS-4 @ 1'	1F14004-04	Soil	06/10/21 00:00	06-14-2021 09:00
CS-5 @ 1'	1F14004-05	Soil	06/11/21 00:00	06-14-2021 09:00
CS-6 @ 1'	1F14004-06	Soil	06/11/21 00:00	06-14-2021 09:00
CS-7 @ 1'	1F14004-07	Soil	06/11/21 00:00	06-14-2021 09:00
CS-8 @ 1'	1F14004-08	Soil	06/11/21 00:00	06-14-2021 09:00
CS-9 @ 1'	1F14004-09	Soil	06/11/21 00:00	06-14-2021 09:00
CS-10 @ 1'	1F14004-10	Soil	06/11/21 00:00	06-14-2021 09:00
CS-11 @ 3.7'	1F14004-11	Soil	06/11/21 00:00	06-14-2021 09:00
CS-12 @ 3.7'	1F14004-12	Soil	06/11/21 00:00	06-14-2021 09:00
CS-13 @ 3.7'	1F14004-13	Soil	06/11/21 00:00	06-14-2021 09:00
CS-14 @ 3.7'	1F14004-14	Soil	06/11/21 00:00	06-14-2021 09:00
CS-15 @ 3.7'	1F14004-15	Soil	06/11/21 00:00	06-14-2021 09:00
CS-16 @ 3.7'	1F14004-16	Soil	06/11/21 00:00	06-14-2021 09:00
CS-17 @ 3.7'	1F14004-17	Soil	06/11/21 00:00	06-14-2021 09:00
CS-18 @ 3.7'	1F14004-18	Soil	06/11/21 00:00	06-14-2021 09:00
SW-1	1F14004-19	Soil	06/10/21 00:00	06-14-2021 09:00
SW-2	1F14004-20	Soil	06/10/21 00:00	06-14-2021 09:00
SW-3	1F14004-21	Soil	06/10/21 00:00	06-14-2021 09:00
SW-4	1F14004-22	Soil	06/10/21 00:00	06-14-2021 09:00
SW-5	1F14004-23	Soil	06/10/21 00:00	06-14-2021 09:00
SW-6	1F14004-24	Soil	06/10/21 00:00	06-14-2021 09:00
SW-7	1F14004-25	Soil	06/11/21 00:00	06-14-2021 09:00
SW-8	1F14004-26	Soil	06/11/21 00:00	06-14-2021 09:00
SW-9	1F14004-27	Soil	06/11/21 00:00	06-14-2021 09:00
SW-10	1F14004-28	Soil	06/11/21 00:00	06-14-2021 09:00
SW-11	1F14004-29	Soil	06/11/21 00:00	06-14-2021 09:00
SW-12	1F14004-30	Soil	06/11/21 00:00	06-14-2021 09:00
SW-13	1F14004-31	Soil	06/11/21 00:00	06-14-2021 09:00
SW-14	1F14004-32	Soil	06/11/21 00:00	06-14-2021 09:00
SW-15	1F14004-33	Soil	06/11/21 00:00	06-14-2021 09:00
SW-16	1F14004-34	Soil	06/11/21 00:00	06-14-2021 09:00

NTG Environmental	Project:	Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number:	214316
Midland TX, 79706	Project Manager:	Mike Carmona

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-1 @ 1'

1F14004-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:07	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:07	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:07	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.7 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/14/21 23:07*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.8 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/14/21 23:07*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**53.2**	1.30	mg/kg dry	1	P1F1505	06/15/21 11:56	06/15/21 18:38	EPA 300.0	
% Moisture	**23.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	32.5	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 01:02	TPH 8015M	
>C12-C28	ND	32.5	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 01:02	TPH 8015M	
>C28-C35	ND	32.5	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 01:02	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P1F1413*	*06/14/21 15:54*	*06/15/21 01:02*	*TPH 8015M*	
Surrogate: o-Terphenyl		*115 %*	*70-130*		*P1F1413*	*06/14/21 15:54*	*06/15/21 01:02*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	32.5	mg/kg dry	1	[CALC]	06/14/21 15:54	06/15/21 01:02	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-2 @ 1'

1F14004-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:27	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.2 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/14/21 23:27*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.4 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/14/21 23:27*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.2**	1.23	mg/kg dry	1	P1F1505	06/15/21 11:56	06/15/21 18:54	EPA 300.0	
% Moisture	**19.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	30.9	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 01:24	TPH 8015M	
>C12-C28	ND	30.9	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 01:24	TPH 8015M	
>C28-C35	ND	30.9	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 01:24	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P1F1413*	*06/14/21 15:54*	*06/15/21 01:24*	*TPH 8015M*	
Surrogate: o-Terphenyl		*123 %*	*70-130*		*P1F1413*	*06/14/21 15:54*	*06/15/21 01:24*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	30.9	mg/kg dry	1	[CALC]	06/14/21 15:54	06/15/21 01:24	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-3 @ 1'

1F14004-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:48	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/14/21 23:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.4 %*		*75-125*	*P1F1409*	*06/14/21 14:12*	*06/14/21 23:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*103 %*		*75-125*	*P1F1409*	*06/14/21 14:12*	*06/14/21 23:48*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**14.5**	1.27	mg/kg dry	1	P1F1505	06/15/21 11:56	06/15/21 19:09	EPA 300.0	
% Moisture	**21.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	31.6	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 01:47	TPH 8015M	
>C12-C28	ND	31.6	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 01:47	TPH 8015M	
>C28-C35	ND	31.6	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 01:47	TPH 8015M	
Surrogate: 1-Chlorooctane		*109 %*		*70-130*	*P1F1413*	*06/14/21 15:54*	*06/15/21 01:47*	*TPH 8015M*	
Surrogate: o-Terphenyl		*123 %*		*70-130*	*P1F1413*	*06/14/21 15:54*	*06/15/21 01:47*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	31.6	mg/kg dry	1	[CALC]	06/14/21 15:54	06/15/21 01:47	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-4 @ 1'

1F14004-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:09	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.8 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/15/21 00:09*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.9 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/15/21 00:09*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.09	mg/kg dry	1	P1F1505	06/15/21 11:56	06/15/21 19:24	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 02:09	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 02:09	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P1F1413	06/14/21 15:54	06/15/21 02:09	TPH 8015M	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		*P1F1413*	*06/14/21 15:54*	*06/15/21 02:09*	*TPH 8015M*	
Surrogate: o-Terphenyl		*128 %*	*70-130*		*P1F1413*	*06/14/21 15:54*	*06/15/21 02:09*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	06/14/21 15:54	06/15/21 02:09	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-5 @ 1'

1F14004-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:29	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:29	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:29	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:29	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.9 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/15/21 00:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.4 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/15/21 00:29*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**193**	1.23	mg/kg dry	1	P1F1505	06/15/21 11:56	06/15/21 19:40	EPA 300.0	
% Moisture	**19.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	30.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 13:43	TPH 8015M	
>C12-C28	ND	30.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 13:43	TPH 8015M	
>C28-C35	ND	30.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 13:43	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 13:43*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 13:43*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	30.9	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 13:43	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-6 @ 1'

1F14004-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:50	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1409	06/14/21 14:12	06/15/21 00:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/15/21 00:50*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.5 %*	*75-125*		*P1F1409*	*06/14/21 14:12*	*06/15/21 00:50*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**113**	1.08	mg/kg dry	1	P1F1505	06/15/21 11:56	06/15/21 19:55	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 14:06	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 14:06	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 14:06	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 14:06*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 14:06*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 14:06	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-7 @ 1'

1F14004-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:34	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*84.1 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 03:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.4 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 03:34*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**18.8**	1.14	mg/kg dry	1	P1F1505	06/15/21 11:56	06/15/21 20:10	EPA 300.0	
% Moisture	**22.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 14:28	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 14:28	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 14:28	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 14:28*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 14:28*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 14:28	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-8 @ 1'

1F14004-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:55	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:55	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:55	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:55	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 03:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.4 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 03:55*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.4 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 03:55*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**276**	1.12	mg/kg dry	1	P1F1506	06/15/21 11:57	06/15/21 21:42	EPA 300.0	
% Moisture	**21.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.1	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 14:51	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 14:51	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 14:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 14:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*115 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 14:51*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 14:51	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-9 @ 1'

1F14004-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:16	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*83.7 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 04:16*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 04:16*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**342**	1.32	mg/kg dry	1	P1F1506	06/15/21 11:57	06/15/21 22:28	EPA 300.0	
% Moisture	**24.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	32.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 15:14	TPH 8015M	
>C12-C28	ND	32.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 15:14	TPH 8015M	
>C28-C35	ND	32.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 15:14	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 15:14*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 15:14*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	32.9	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 15:14	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-10 @ 1'

1F14004-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:36	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.3 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 04:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.5 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 04:36*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**302**	1.35	mg/kg dry	1	P1F1506	06/15/21 11:57	06/15/21 22:44	EPA 300.0	
% Moisture	**26.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	33.8	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 16:22	TPH 8015M	
>C12-C28	ND	33.8	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 16:22	TPH 8015M	
>C28-C35	ND	33.8	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 16:22	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 16:22*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 16:22*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	33.8	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 16:22	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-11 @ 3.7'

1F14004-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:57	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 04:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 04:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 04:57*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**243**	1.32	mg/kg dry	1	P1F1506	06/15/21 11:57	06/15/21 22:59	EPA 300.0	
% Moisture	**24.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	32.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 16:45	TPH 8015M	
>C12-C28	ND	32.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 16:45	TPH 8015M	
>C28-C35	ND	32.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 16:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.2 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 16:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 16:45*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	32.9	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 16:45	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-12 @ 3.7'

1F14004-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:17	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:17	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:17	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:17	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.2 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 05:17*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.1 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 05:17*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**101**	1.18	mg/kg dry	1	P1F1506	06/15/21 11:57	06/15/21 23:14	EPA 300.0	
% Moisture	**15.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 17:08	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 17:08	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 17:08	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 17:08*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 17:08*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 17:08	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-13 @ 3.7'

1F14004-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:38	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:38	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:38	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:38	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*93.6 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 05:38*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*103 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 05:38*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**123**	1.23	mg/kg dry	1	P1F1506	06/15/21 11:57	06/15/21 23:30	EPA 300.0	
% Moisture	**19.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	30.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 17:31	TPH 8015M	
>C12-C28	ND	30.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 17:31	TPH 8015M	
>C28-C35	ND	30.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 17:31	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 17:31*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 17:31*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	30.9	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 17:31	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-14 @ 3.7'

1F14004-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:59	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 05:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.2 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 05:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.9 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 05:59*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2.28**	1.20	mg/kg dry	1	P1F1506	06/15/21 11:57	06/15/21 23:45	EPA 300.0	
% Moisture	**17.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	30.1	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 17:54	TPH 8015M	
>C12-C28	ND	30.1	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 17:54	TPH 8015M	
>C28-C35	ND	30.1	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 17:54	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.8 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 17:54*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 17:54*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	30.1	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 17:54	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-15 @ 3.7'

1F14004-15 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:19	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*84.4 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 06:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.7 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 06:19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.20	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 00:00	EPA 300.0	
% Moisture	**17.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	30.1	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 18:16	TPH 8015M	
>C12-C28	ND	30.1	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 18:16	TPH 8015M	
>C28-C35	ND	30.1	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 18:16	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 18:16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 18:16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	30.1	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 18:16	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-16 @ 3.7'

1F14004-16 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:40	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 06:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.9 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 06:40*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.8 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 06:40*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**19.9**	1.15	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 00:15	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.7	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 18:39	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 18:39	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 18:39	TPH 8015M	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 18:39*	*TPH 8015M*	
Surrogate: o-Terphenyl		*123 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 18:39*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 18:39	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-17 @ 3.7'

1F14004-17 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 07:43	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 07:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 07:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 07:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 07:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*93.4 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 07:43*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 07:43*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**30.1**	1.18	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 07:27	EPA 300.0	
% Moisture	**15.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 19:02	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 19:02	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 19:02	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 19:02*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 19:02*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 19:02	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

CS-18 @ 3.7'

1F14004-18 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:03	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:03	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:03	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.5 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 08:03*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.4 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 08:03*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.39**	1.18	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 08:13	EPA 300.0	
% Moisture	**15.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 19:24	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 19:24	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 19:24	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 19:24*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 19:24*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 19:24	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-1

1F14004-19 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:24	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:24	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:24	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:24	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.9 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 08:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.6 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 08:24*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**18.2**	1.08	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 08:59	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 19:47	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 19:47	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 19:47	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 19:47*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 19:47*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 19:47	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-2

1F14004-20 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:45	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:45	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:45	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:45	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 08:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.3 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 08:45*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.9 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 08:45*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**248**	1.25	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 09:16	EPA 300.0	
% Moisture	**20.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	31.2	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 18:25	TPH 8015M	
>C12-C28	ND	31.2	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 18:25	TPH 8015M	
>C28-C35	ND	31.2	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 18:25	TPH 8015M	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 18:25*	*TPH 8015M*	
Surrogate: o-Terphenyl		*125 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 18:25*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	31.2	mg/kg dry	1	[CALC]	06/15/21 14:45	06/15/21 18:25	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-3

1F14004-21 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:05	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.2 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 09:05*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.5 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 09:05*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**174**	1.27	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 09:31	EPA 300.0	
% Moisture	**21.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	31.6	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 18:48	TPH 8015M	
>C12-C28	ND	31.6	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 18:48	TPH 8015M	
>C28-C35	ND	31.6	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 18:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 18:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*127 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 18:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	31.6	mg/kg dry	1	[CALC]	06/15/21 14:45	06/15/21 18:48	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-4

1F14004-22 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:26	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*93.5 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 09:26*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*102 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 09:26*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.31**	1.14	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 09:46	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.4	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 19:11	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 19:11	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 19:11	TPH 8015M	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 19:11*	*TPH 8015M*	
Surrogate: o-Terphenyl		*132 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 19:11*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	06/15/21 14:45	06/15/21 19:11	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-5

1F14004-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:47	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 09:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.0 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 09:47*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.1 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 09:47*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.09	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 10:01	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 19:33	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 19:33	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 19:33	TPH 8015M	
Surrogate: 1-Chlorooctane		*115 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 19:33*	*TPH 8015M*	
Surrogate: o-Terphenyl		*134 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 19:33*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	06/15/21 14:45	06/15/21 19:33	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-6

1F14004-24 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:08	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:08	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:08	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:08	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.8 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 10:08*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.9 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 10:08*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**12.5**	1.05	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 10:17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 19:56	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 19:56	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1F1511	06/15/21 14:45	06/15/21 19:56	TPH 8015M	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 19:56*	*TPH 8015M*	
Surrogate: o-Terphenyl		*130 %*	*70-130*		*P1F1511*	*06/15/21 14:45*	*06/15/21 19:56*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	06/15/21 14:45	06/15/21 19:56	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-7

1F14004-25 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:29	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:29	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:29	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:29	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.2 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 10:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.3 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 10:29*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8.17**	1.30	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 10:32	EPA 300.0	
% Moisture	**23.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	32.5	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 00:35	TPH 8015M	
>C12-C28	ND	32.5	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 00:35	TPH 8015M	
>C28-C35	ND	32.5	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 00:35	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 00:35*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 00:35*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	32.5	mg/kg dry	1	[CALC]	06/14/21 15:56	06/15/21 00:35	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-8

1F14004-26 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:50	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1410	06/14/21 14:18	06/15/21 10:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.2 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 10:50*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.5 %*	*75-125*		*P1F1410*	*06/14/21 14:18*	*06/15/21 10:50*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**14.6**	1.10	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 10:47	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 00:57	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 00:57	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 00:57	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 00:57*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 00:57*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	06/14/21 15:56	06/15/21 00:57	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-9

1F14004-27 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:33	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.1 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 14:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.5 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 14:33*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.26**	1.05	mg/kg dry	1	P1F1506	06/15/21 11:57	06/16/21 11:03	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 01:19	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 01:19	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 01:19	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 01:19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 01:19*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	06/14/21 15:56	06/15/21 01:19	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-10

1F14004-28 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:54	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:54	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:54	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:54	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 14:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.1 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 14:54*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.1 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 14:54*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**184**	1.35	mg/kg dry	1	P1F1606	06/16/21 09:55	06/16/21 12:34	EPA 300.0	
% Moisture	**26.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	33.8	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 01:41	TPH 8015M	
>C12-C28	**37.4**	33.8	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 01:41	TPH 8015M	
>C28-C35	ND	33.8	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 01:41	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 01:41*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 01:41*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**37.4**	33.8	mg/kg dry	1	[CALC]	06/14/21 15:56	06/15/21 01:41	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-11

1F14004-29 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:16	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.5 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 15:16*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*102 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 15:16*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.32	mg/kg dry	1	P1F1606	06/16/21 09:55	06/16/21 13:21	EPA 300.0	
% Moisture	**24.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	32.9	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 02:03	TPH 8015M	
>C12-C28	ND	32.9	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 02:03	TPH 8015M	
>C28-C35	ND	32.9	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 02:03	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 02:03*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 02:03*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	32.9	mg/kg dry	1	[CALC]	06/14/21 15:56	06/15/21 02:03	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-12

1F14004-30 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:37	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.5 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 15:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.6 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 15:37*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.18	mg/kg dry	1	P1F1606	06/16/21 09:55	06/16/21 13:36	EPA 300.0	
% Moisture	**15.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	29.4	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 02:26	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 02:26	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 02:26	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 02:26*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 02:26*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	06/14/21 15:56	06/15/21 02:26	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-13

1F14004-31 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:58	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:58	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:58	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:58	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 15:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.4 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 15:58*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.2 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 15:58*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.25	mg/kg dry	1	P1F1606	06/16/21 09:55	06/16/21 13:51	EPA 300.0	
% Moisture	**20.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	31.2	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 02:48	TPH 8015M	
>C12-C28	ND	31.2	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 02:48	TPH 8015M	
>C28-C35	ND	31.2	mg/kg dry	1	P1F1414	06/14/21 15:56	06/15/21 02:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 02:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P1F1414*	*06/14/21 15:56*	*06/15/21 02:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	31.2	mg/kg dry	1	[CALC]	06/14/21 15:56	06/15/21 02:48	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-14

1F14004-32 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 16:20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.8 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 16:20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**26.9**	1.39	mg/kg dry	1	P1F1606	06/16/21 09:55	06/16/21 15:48	EPA 300.0	
% Moisture	**28.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	34.7	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 12:35	TPH 8015M	
>C12-C28	**62.2**	34.7	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 12:35	TPH 8015M	
>C28-C35	ND	34.7	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 12:35	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.8 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 12:35*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 12:35*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**62.2**	34.7	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 12:35	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-15

1F14004-33 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:40	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 16:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.2 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 16:40*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 16:40*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.54**	1.32	mg/kg dry	1	P1F1606	06/16/21 09:55	06/16/21 16:03	EPA 300.0	
% Moisture	**24.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	32.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 12:57	TPH 8015M	
>C12-C28	ND	32.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 12:57	TPH 8015M	
>C28-C35	ND	32.9	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 12:57	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.9 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 12:57*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 12:57*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	32.9	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 12:57	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

SW-16

1F14004-34 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 17:01	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 17:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 17:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 17:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1504	06/15/21 11:05	06/15/21 17:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.6 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 17:01*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		*P1F1504*	*06/15/21 11:05*	*06/15/21 17:01*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.05**	1.33	mg/kg dry	1	P1F1606	06/16/21 09:55	06/16/21 16:18	EPA 300.0	
% Moisture	**25.0**	0.1	%	1	P1F1508	06/15/21 15:00	06/15/21 15:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	33.3	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 13:20	TPH 8015M	
>C12-C28	ND	33.3	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 13:20	TPH 8015M	
>C28-C35	ND	33.3	mg/kg dry	1	P1F1509	06/15/21 09:35	06/16/21 13:20	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.9 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 13:20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P1F1509*	*06/15/21 09:35*	*06/16/21 13:20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	33.3	mg/kg dry	1	[CALC]	06/15/21 09:35	06/16/21 13:20	calc	

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1409 - * DEFAULT PREP *** **										
Blank (P1F1409-BLK1)				Prepared & Analyzed: 06/14/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*75-125*			
LCS (P1F1409-BS1)				Prepared & Analyzed: 06/14/21						
Benzene	0.112	0.00100	mg/kg wet	0.100		112	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.2*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*75-125*			
LCS Dup (P1F1409-BSD1)				Prepared & Analyzed: 06/14/21						
Benzene	0.115	0.00100	mg/kg wet	0.100		115	80-120	2.45	20	
Toluene	0.119	0.00100	"	0.100		119	80-120	2.51	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	1.63	20	
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120	2.83	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	2.57	20	
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*95.3*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*75-125*			
Calibration Blank (P1F1409-CCB1)				Prepared & Analyzed: 06/14/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.2*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.1*	*75-125*			

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Midland TX, 79706	Project Manager: Mike Carmona

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1409 - * DEFAULT PREP *** **										
Calibration Blank (P1F1409-CCB2)				Prepared & Analyzed: 06/14/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Calibration Blank (P1F1409-CCB3)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.107*		*"*	*0.120*		*89.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*75-125*			
Calibration Check (P1F1409-CCV1)				Prepared & Analyzed: 06/14/21						
Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.5	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.5*	*75-125*			
Calibration Check (P1F1409-CCV2)				Prepared & Analyzed: 06/14/21						
Benzene	0.113	0.00100	mg/kg wet	0.100		113	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.5*	*75-125*			

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Midland TX, 79706	Project Manager: Mike Carmona

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1409 - * DEFAULT PREP *** **										
Calibration Check (P1F1409-CCV3)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.106	0.00100	mg/kg wet	0.100		106	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.3*	*75-125*			
Matrix Spike (P1F1409-MS1)		**Source: 1F14004-01**		Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.111	0.00100	mg/kg dry	0.130	ND	85.6	80-120			
Toluene	0.109	0.00100	"	0.130	ND	83.8	80-120			
Ethylbenzene	0.109	0.00100	"	0.130	ND	83.7	80-120			
Xylene (p/m)	0.207	0.00200	"	0.260	ND	79.6	80-120			QM-07
Xylene (o)	0.0979	0.00100	"	0.130	ND	75.4	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	*0.140*		*"*	*0.156*		*90.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.151*		*"*	*0.156*		*96.6*	*75-125*			
Matrix Spike Dup (P1F1409-MSD1)		**Source: 1F14004-01**		Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.128	0.00100	mg/kg dry	0.130	ND	98.8	80-120	14.3	20	
Toluene	0.126	0.00100	"	0.130	ND	97.2	80-120	14.8	20	
Ethylbenzene	0.128	0.00100	"	0.130	ND	98.4	80-120	16.1	20	
Xylene (p/m)	0.237	0.00200	"	0.260	ND	91.3	80-120	13.8	20	
Xylene (o)	0.115	0.00100	"	0.130	ND	88.3	80-120	15.8	20	
Surrogate: 4-Bromofluorobenzene	*0.150*		*"*	*0.156*		*96.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.157*		*"*	*0.156*		*100*	*75-125*			
Batch P1F1410 - * DEFAULT PREP *** **										
Blank (P1F1410-BLK1)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*85.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.3*	*75-125*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1410 - * DEFAULT PREP *** **										
LCS (P1F1410-BS1)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		99.9	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.8*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*75-125*			
LCS Dup (P1F1410-BSD1)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.0998	0.00100	mg/kg wet	0.100		99.8	80-120	3.08	20	
Toluene	0.0994	0.00100	"	0.100		99.4	80-120	3.82	20	
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120	4.56	20	
Xylene (p/m)	0.193	0.00200	"	0.200		96.5	80-120	3.43	20	
Xylene (o)	0.0956	0.00100	"	0.100		95.6	80-120	5.29	20	
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*91.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.9*	*75-125*			
Calibration Blank (P1F1410-CCB1)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.107*		*"*	*0.120*		*89.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*75-125*			
Calibration Blank (P1F1410-CCB2)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.6*	*75-125*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1410 - * DEFAULT PREP *** **										
Calibration Blank (P1F1410-CCB3)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.108*		"	*0.120*		*90.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*99.6*	*75-125*			
Calibration Check (P1F1410-CCV1)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.106	0.00100	mg/kg wet	0.100		106	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		"	*0.120*		*87.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.3*	*75-125*			
Calibration Check (P1F1410-CCV2)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.109	0.00100	mg/kg wet	0.100		109	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.3*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.3*	*75-125*			
Calibration Check (P1F1410-CCV3)				Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.109	0.00100	mg/kg wet	0.100		109	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.8*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.3*	*75-125*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1410 - * DEFAULT PREP *** **										
Matrix Spike (P1F1410-MS1)	**Source: 1F14004-07**			Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.115	0.00100	mg/kg dry	0.114	ND	101	80-120			
Toluene	0.113	0.00100	"	0.114	ND	99.1	80-120			
Ethylbenzene	0.114	0.00100	"	0.114	ND	100	80-120			
Xylene (p/m)	0.208	0.00200	"	0.227	ND	91.7	80-120			
Xylene (o)	0.106	0.00100	"	0.114	ND	93.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.136*		*97.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.137*		*"*	*0.136*		*101*	*75-125*			
Matrix Spike Dup (P1F1410-MSD1)	**Source: 1F14004-07**			Prepared: 06/14/21 Analyzed: 06/15/21						
Benzene	0.114	0.00100	mg/kg dry	0.114	ND	100	80-120	0.836	20	
Toluene	0.112	0.00100	"	0.114	ND	98.5	80-120	0.628	20	
Ethylbenzene	0.113	0.00100	"	0.114	ND	99.8	80-120	0.610	20	
Xylene (p/m)	0.207	0.00200	"	0.227	ND	91.0	80-120	0.772	20	
Xylene (o)	0.106	0.00100	"	0.114	ND	93.1	80-120	0.600	20	
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.136*		*96.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.136*		*"*	*0.136*		*99.9*	*75-125*			
Batch P1F1504 - * DEFAULT PREP *** **										
Blank (P1F1504-BLK1)				Prepared & Analyzed: 06/15/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.5*	*75-125*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1504 - * DEFAULT PREP *** **										
LCS (P1F1504-BS1)				Prepared & Analyzed: 06/15/21						
Benzene	0.113	0.00100	mg/kg wet	0.100		113	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.115*		"	*0.120*		*95.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.7*	*75-125*			
LCS Dup (P1F1504-BSD1)				Prepared & Analyzed: 06/15/21						
Benzene	0.113	0.00100	mg/kg wet	0.100		113	80-120	0.0265	20	
Toluene	0.114	0.00100	"	0.100		114	80-120	0.980	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	3.71	20	
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120	3.31	20	
Xylene (o)	0.109	0.00100	"	0.100		109	80-120	5.26	20	
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.2*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*99.8*	*75-125*			
Calibration Blank (P1F1504-CCB1)				Prepared & Analyzed: 06/15/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.104*		"	*0.120*		*86.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.5*	*75-125*			
Calibration Blank (P1F1504-CCB2)				Prepared & Analyzed: 06/15/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.102*		"	*0.120*		*84.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.2*	*75-125*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1504 - * DEFAULT PREP *** **										
Calibration Blank (P1F1504-CCB3)				Prepared & Analyzed: 06/15/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*91.2*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.2*	*75-125*			
Calibration Check (P1F1504-CCV1)				Prepared & Analyzed: 06/15/21						
Benzene	0.116	0.00100	mg/kg wet	0.100		116	80-120			
Toluene	0.118	0.00100	"	0.100		118	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200		113	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.6*	*75-125*			
Calibration Check (P1F1504-CCV2)				Prepared & Analyzed: 06/15/21						
Benzene	0.117	0.00100	mg/kg wet	0.100		117	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*75-125*			
Calibration Check (P1F1504-CCV3)				Prepared & Analyzed: 06/15/21						
Benzene	0.0990	0.00100	mg/kg wet	0.100		99.0	80-120			
Toluene	0.0983	0.00100	"	0.100		98.3	80-120			
Ethylbenzene	0.0983	0.00100	"	0.100		98.3	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		91.0	80-120			
Xylene (o)	0.0948	0.00100	"	0.100		94.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.0*	*75-125*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1504 - * DEFAULT PREP *** **										
Matrix Spike (P1F1504-MS1)	**Source: 1F14004-27**			Prepared & Analyzed: 06/15/21						
Benzene	0.109	0.00100	mg/kg dry	0.105	ND	104	80-120			
Toluene	0.107	0.00100	"	0.105	ND	102	80-120			
Ethylbenzene	0.106	0.00100	"	0.105	ND	101	80-120			
Xylene (p/m)	0.195	0.00200	"	0.211	ND	92.7	80-120			
Xylene (o)	0.0985	0.00100	"	0.105	ND	93.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.126*		*101*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.126*		*101*	*75-125*			
Matrix Spike Dup (P1F1504-MSD1)	**Source: 1F14004-27**			Prepared & Analyzed: 06/15/21						
Benzene	0.0991	0.00100	mg/kg dry	0.105	ND	94.2	80-120	9.52	20	
Toluene	0.0957	0.00100	"	0.105	ND	90.9	80-120	11.4	20	
Ethylbenzene	0.0939	0.00100	"	0.105	ND	89.2	80-120	12.0	20	
Xylene (p/m)	0.174	0.00200	"	0.211	ND	82.4	80-120	11.7	20	
Xylene (o)	0.0862	0.00100	"	0.105	ND	81.9	80-120	13.3	20	
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.126*		*94.3*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.126*		*98.6*	*75-125*			

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1505 - * DEFAULT PREP *** **										
Blank (P1F1505-BLK1)				Prepared & Analyzed: 06/15/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1F1505-BS1)				Prepared & Analyzed: 06/15/21						
Chloride	391	1.00	mg/kg wet	400		97.8	90-110			
LCS Dup (P1F1505-BSD1)				Prepared & Analyzed: 06/15/21						
Chloride	390	1.00	mg/kg wet	400		97.6	90-110	0.171	20	
Calibration Check (P1F1505-CCV1)				Prepared & Analyzed: 06/15/21						
Chloride	19.0		mg/kg	20.0		95.0	90-110			
Calibration Check (P1F1505-CCV2)				Prepared & Analyzed: 06/15/21						
Chloride	18.7		mg/kg	20.0		93.5	90-110			
Calibration Check (P1F1505-CCV3)				Prepared & Analyzed: 06/15/21						
Chloride	19.5		mg/kg	20.0		97.5	90-110			
Matrix Spike (P1F1505-MS1)		**Source: 1F11005-01**		Prepared & Analyzed: 06/15/21						
Chloride	2440	5.68	mg/kg dry	568	1640	141	80-120			QM-05
Matrix Spike (P1F1505-MS2)		**Source: 1F14002-23**		Prepared & Analyzed: 06/15/21						
Chloride	649	1.09	mg/kg dry	543	173	87.5	80-120			
Matrix Spike Dup (P1F1505-MSD1)		**Source: 1F11005-01**		Prepared & Analyzed: 06/15/21						
Chloride	2490	5.68	mg/kg dry	568	1640	148	80-120	1.72	20	QM-05
Matrix Spike Dup (P1F1505-MSD2)		**Source: 1F14002-23**		Prepared & Analyzed: 06/15/21						
Chloride	676	1.09	mg/kg dry	543	173	92.5	80-120	4.12	20	

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Midland TX, 79706	Project Manager: Mike Carmona

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1506 - * DEFAULT PREP *** **										
LCS (P1F1506-BS1)				Prepared & Analyzed: 06/15/21						
Chloride	391	1.00	mg/kg wet	400		97.8	90-110			
LCS Dup (P1F1506-BSD1)				Prepared & Analyzed: 06/15/21						
Chloride	393	1.00	mg/kg wet	400		98.3	90-110	0.426	20	
Calibration Check (P1F1506-CCV1)				Prepared & Analyzed: 06/15/21						
Chloride	19.5		mg/kg	20.0		97.5	90-110			
Calibration Check (P1F1506-CCV2)				Prepared: 06/15/21 Analyzed: 06/16/21						
Chloride	19.3		mg/kg	20.0		96.3	90-110			
Matrix Spike (P1F1506-MS1)		**Source: 1F14004-08**		Prepared & Analyzed: 06/15/21						
Chloride	743	1.12	mg/kg dry	562	276	83.2	80-120			
Matrix Spike (P1F1506-MS2)		**Source: 1F14004-18**		Prepared: 06/15/21 Analyzed: 06/16/21						
Chloride	603	1.18	mg/kg dry	588	9.39	101	80-120			
Matrix Spike Dup (P1F1506-MSD1)		**Source: 1F14004-08**		Prepared & Analyzed: 06/15/21						
Chloride	747	1.12	mg/kg dry	562	276	83.9	80-120	0.582	20	
Matrix Spike Dup (P1F1506-MSD2)		**Source: 1F14004-18**		Prepared: 06/15/21 Analyzed: 06/16/21						
Chloride	567	1.18	mg/kg dry	588	9.39	94.9	80-120	6.11	20	
Batch P1F1508 - * DEFAULT PREP *** **										
Blank (P1F1508-BLK1)				Prepared & Analyzed: 06/15/21						
% Moisture	ND	0.1	%							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1508 - * DEFAULT PREP *** **										
Blank (P1F1508-BLK2)				Prepared & Analyzed: 06/15/21						
% Moisture	ND	0.1	%							
Blank (P1F1508-BLK3)				Prepared & Analyzed: 06/15/21						
% Moisture	ND	0.1	%							
Duplicate (P1F1508-DUP1)		**Source: 1F11009-09**		Prepared & Analyzed: 06/15/21						
% Moisture	3.0	0.1	%		2.0			40.0	20	
Duplicate (P1F1508-DUP2)		**Source: 1F14001-07**		Prepared & Analyzed: 06/15/21						
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P1F1508-DUP3)		**Source: 1F14001-22**		Prepared & Analyzed: 06/15/21						
% Moisture	15.0	0.1	%		14.0			6.90	20	
Duplicate (P1F1508-DUP4)		**Source: 1F14001-32**		Prepared & Analyzed: 06/15/21						
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P1F1508-DUP5)		**Source: 1F14001-47**		Prepared & Analyzed: 06/15/21						
% Moisture	16.0	0.1	%		16.0			0.00	20	
Duplicate (P1F1508-DUP6)		**Source: 1F14002-05**		Prepared & Analyzed: 06/15/21						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P1F1508-DUP7)		**Source: 1F14002-20**		Prepared & Analyzed: 06/15/21						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P1F1508-DUP8)		**Source: 1F14004-03**		Prepared & Analyzed: 06/15/21						
% Moisture	22.0	0.1	%		21.0			4.65	20	

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Midland TX, 79706	Project Manager: Mike Carmona

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1508 - * DEFAULT PREP *** **										
Duplicate (P1F1508-DUP9)	**Source: 1F14004-18**			Prepared & Analyzed: 06/15/21						
% Moisture	15.0	0.1	%		15.0			0.00	20	
Duplicate (P1F1508-DUPA)	**Source: 1F14004-28**			Prepared & Analyzed: 06/15/21						
% Moisture	25.0	0.1	%		26.0			3.92	20	
Batch P1F1606 - * DEFAULT PREP *** **										
Blank (P1F1606-BLK1)				Prepared & Analyzed: 06/16/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1F1606-BS1)				Prepared & Analyzed: 06/16/21						
Chloride	387	1.00	mg/kg wet	400		96.7	90-110			
LCS Dup (P1F1606-BSD1)				Prepared & Analyzed: 06/16/21						
Chloride	389	1.00	mg/kg wet	400		97.2	90-110	0.510	20	
Calibration Check (P1F1606-CCV1)				Prepared & Analyzed: 06/16/21						
Chloride	19.4		mg/kg	20.0		96.9	90-110			
Calibration Check (P1F1606-CCV2)				Prepared & Analyzed: 06/16/21						
Chloride	19.5		mg/kg	20.0		97.6	90-110			
Calibration Check (P1F1606-CCV3)				Prepared & Analyzed: 06/16/21						
Chloride	18.9		mg/kg	20.0		94.6	90-110			
Matrix Spike (P1F1606-MS1)	**Source: 1F14004-28**			Prepared & Analyzed: 06/16/21						
Chloride	1030	1.35	mg/kg dry	676	184	125	80-120			QM-05

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1606 - * DEFAULT PREP *** **										
Matrix Spike (P1F1606-MS2)	**Source: 1F16004-01**			Prepared & Analyzed: 06/16/21						
Chloride	1820	5.38	mg/kg dry	538	1190	116	80-120			
Matrix Spike Dup (P1F1606-MSD1)	**Source: 1F14004-28**			Prepared & Analyzed: 06/16/21						
Chloride	1060	1.35	mg/kg dry	676	184	129	80-120	2.88	20	QM-05
Matrix Spike Dup (P1F1606-MSD2)	**Source: 1F16004-01**			Prepared & Analyzed: 06/16/21						
Chloride	1800	5.38	mg/kg dry	538	1190	114	80-120	0.603	20	

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Midland TX, 79706	Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1413 - TX 1005										
Blank (P1F1413-BLK1)				Prepared & Analyzed: 06/14/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*95.0*		*"*	*100*		*95.0*	*70-130*			
Surrogate: o-Terphenyl	*54.0*		*"*	*50.0*		*108*	*70-130*			
LCS (P1F1413-BS1)				Prepared & Analyzed: 06/14/21						
C6-C12	1020	25.0	mg/kg wet	1000		102	75-125			
>C12-C28	933	25.0	"	1000		93.3	75-125			
Surrogate: 1-Chlorooctane	*98.2*		*"*	*100*		*98.2*	*70-130*			
Surrogate: o-Terphenyl	*57.2*		*"*	*50.0*		*114*	*70-130*			
LCS Dup (P1F1413-BSD1)				Prepared & Analyzed: 06/14/21						
C6-C12	1010	25.0	mg/kg wet	1000		101	75-125	0.676	20	
>C12-C28	934	25.0	"	1000		93.4	75-125	0.123	20	
Surrogate: 1-Chlorooctane	*98.2*		*"*	*100*		*98.2*	*70-130*			
Surrogate: o-Terphenyl	*61.0*		*"*	*50.0*		*122*	*70-130*			
Calibration Check (P1F1413-CCV1)				Prepared & Analyzed: 06/14/21						
C6-C12	511	25.0	mg/kg wet	500		102	85-115			
>C12-C28	545	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	*120*		*"*	*100*		*120*	*70-130*			
Surrogate: o-Terphenyl	*58.5*		*"*	*50.0*		*117*	*70-130*			
Calibration Check (P1F1413-CCV2)				Prepared & Analyzed: 06/14/21						
C6-C12	517	25.0	mg/kg wet	500		103	85-115			
>C12-C28	553	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*59.2*		*"*	*50.0*		*118*	*70-130*			

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
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Midland TX, 79706	Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1413 - TX 1005										
Calibration Check (P1F1413-CCV3)				Prepared: 06/14/21 Analyzed: 06/15/21						
C6-C12	541	25.0	mg/kg wet	500		108	85-115			
>C12-C28	574	25.0	"	500		115	85-115			
Surrogate: 1-Chlorooctane	*104*		*"*	*100*		*104*	*70-130*			
Surrogate: o-Terphenyl	*60.3*		*"*	*50.0*		*121*	*70-130*			
Matrix Spike (P1F1413-MS1)	**Source: 1F14004-04**			Prepared: 06/14/21 Analyzed: 06/15/21						
C6-C12	1110	27.2	mg/kg dry	1090	ND	102	75-125			
>C12-C28	1020	27.2	"	1090	ND	93.6	75-125			
Surrogate: 1-Chlorooctane	*103*		*"*	*109*		*95.2*	*70-130*			
Surrogate: o-Terphenyl	*62.1*		*"*	*54.3*		*114*	*70-130*			
Matrix Spike Dup (P1F1413-MSD1)	**Source: 1F14004-04**			Prepared: 06/14/21 Analyzed: 06/15/21						
C6-C12	1090	27.2	mg/kg dry	1090	ND	101	75-125	1.05	20	
>C12-C28	1030	27.2	"	1090	ND	94.6	75-125	1.13	20	
Surrogate: 1-Chlorooctane	*103*		*"*	*109*		*94.9*	*70-130*			
Surrogate: o-Terphenyl	*63.3*		*"*	*54.3*		*117*	*70-130*			
Batch P1F1414 - TX 1005										
Blank (P1F1414-BLK1)				Prepared & Analyzed: 06/14/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*91.9*		*"*	*100*		*91.9*	*70-130*			
Surrogate: o-Terphenyl	*47.8*		*"*	*50.0*		*95.6*	*70-130*			
LCS (P1F1414-BS1)				Prepared & Analyzed: 06/14/21						
C6-C12	940	25.0	mg/kg wet	1000		94.0	75-125			
>C12-C28	870	25.0	"	1000		87.0	75-125			
Surrogate: 1-Chlorooctane	*94.0*		*"*	*100*		*94.0*	*70-130*			
Surrogate: o-Terphenyl	*47.8*		*"*	*50.0*		*95.6*	*70-130*			

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
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Midland TX, 79706	Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1414 - TX 1005										
LCS Dup (P1F1414-BSD1)				Prepared & Analyzed: 06/14/21						
C6-C12	965	25.0	mg/kg wet	1000		96.5	75-125	2.62	20	
>C12-C28	889	25.0	"	1000		88.9	75-125	2.17	20	
Surrogate: 1-Chlorooctane	*96.1*		*"*	*100*		*96.1*	*70-130*			
Surrogate: o-Terphenyl	*48.8*		*"*	*50.0*		*97.6*	*70-130*			
Calibration Check (P1F1414-CCV1)				Prepared & Analyzed: 06/14/21						
C6-C12	489	25.0	mg/kg wet	500		97.8	85-115			
>C12-C28	472	25.0	"	500		94.4	85-115			
Surrogate: 1-Chlorooctane	*93.9*		*"*	*100*		*93.9*	*70-130*			
Surrogate: o-Terphenyl	*49.1*		*"*	*50.0*		*98.2*	*70-130*			
Calibration Check (P1F1414-CCV2)				Prepared & Analyzed: 06/14/21						
C6-C12	521	25.0	mg/kg wet	500		104	85-115			
>C12-C28	521	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	*101*		*"*	*100*		*101*	*70-130*			
Surrogate: o-Terphenyl	*52.8*		*"*	*50.0*		*106*	*70-130*			
Calibration Check (P1F1414-CCV3)				Prepared: 06/14/21 Analyzed: 06/15/21						
C6-C12	522	25.0	mg/kg wet	500		104	85-115			
>C12-C28	535	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	*101*		*"*	*100*		*101*	*70-130*			
Surrogate: o-Terphenyl	*53.5*		*"*	*50.0*		*107*	*70-130*			
Matrix Spike (P1F1414-MS1)	**Source: 1F14004-31**			Prepared: 06/14/21 Analyzed: 06/15/21						
C6-C12	1230	31.2	mg/kg dry	1250	ND	98.8	75-125			
>C12-C28	1190	31.2	"	1250	17.5	93.4	75-125			
Surrogate: 1-Chlorooctane	*123*		*"*	*125*		*98.3*	*70-130*			
Surrogate: o-Terphenyl	*64.9*		*"*	*62.5*		*104*	*70-130*			

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1414 - TX 1005										
Matrix Spike Dup (P1F1414-MSD1)	**Source: 1F14004-31**			Prepared: 06/14/21 Analyzed: 06/15/21						
C6-C12	1240	31.2	mg/kg dry	1250	ND	98.8	75-125	0.00615	20	
>C12-C28	1170	31.2	"	1250	17.5	92.2	75-125	1.31	20	
Surrogate: 1-Chlorooctane	*122*		*"*	*125*		*98.0*	*70-130*			
Surrogate: o-Terphenyl	*64.8*		*"*	*62.5*		*104*	*70-130*			
Batch P1F1509 - TX 1005										
Blank (P1F1509-BLK1)				Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*94.3*		*"*	*100*		*94.3*	*70-130*			
Surrogate: o-Terphenyl	*52.7*		*"*	*50.0*		*105*	*70-130*			
LCS (P1F1509-BS1)				Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	979	25.0	mg/kg wet	1000		97.9	75-125			
>C12-C28	946	25.0	"	1000		94.6	75-125			
Surrogate: 1-Chlorooctane	*128*		*"*	*100*		*128*	*70-130*			
Surrogate: o-Terphenyl	*60.2*		*"*	*50.0*		*120*	*70-130*			
LCS Dup (P1F1509-BSD1)				Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125	5.20	20	
>C12-C28	978	25.0	"	1000		97.8	75-125	3.27	20	
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*57.0*		*"*	*50.0*		*114*	*70-130*			
Calibration Check (P1F1509-CCV1)				Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	519	25.0	mg/kg wet	500		104	85-115			
>C12-C28	519	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	*120*		*"*	*100*		*120*	*70-130*			
Surrogate: o-Terphenyl	*57.9*		*"*	*50.0*		*116*	*70-130*			

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
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Midland TX, 79706	Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1509 - TX 1005										
Calibration Check (P1F1509-CCV2)				Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	475	25.0	mg/kg wet	500		95.0	85-115			
>C12-C28	495	25.0	"	500		98.9	85-115			
Surrogate: 1-Chlorooctane	*112*		*"*	*100*		*112*	*70-130*			
Surrogate: o-Terphenyl	*53.6*		*"*	*50.0*		*107*	*70-130*			
Calibration Check (P1F1509-CCV3)				Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	499	25.0	mg/kg wet	500		99.7	85-115			
>C12-C28	545	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*56.6*		*"*	*50.0*		*113*	*70-130*			
Matrix Spike (P1F1509-MS1)	**Source: 1F14004-19**			Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	1030	26.9	mg/kg dry	1080	ND	96.0	75-125			
>C12-C28	970	26.9	"	1080	ND	90.2	75-125			
Surrogate: 1-Chlorooctane	*104*		*"*	*108*		*96.4*	*70-130*			
Surrogate: o-Terphenyl	*57.4*		*"*	*53.8*		*107*	*70-130*			
Matrix Spike Dup (P1F1509-MSD1)	**Source: 1F14004-19**			Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	1040	26.9	mg/kg dry	1080	ND	96.7	75-125	0.720	20	
>C12-C28	957	26.9	"	1080	ND	89.0	75-125	1.41	20	
Surrogate: 1-Chlorooctane	*103*		*"*	*108*		*95.9*	*70-130*			
Surrogate: o-Terphenyl	*57.5*		*"*	*53.8*		*107*	*70-130*			
Batch P1F1511 - TX 1005										
Blank (P1F1511-BLK1)				Prepared & Analyzed: 06/15/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*105*		*"*	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*59.7*		*"*	*50.0*		*119*	*70-130*			

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1511 - TX 1005										
LCS (P1F1511-BS1)				Prepared & Analyzed: 06/15/21						
C6-C12	977	25.0	mg/kg wet	1000		97.7	75-125			
>C12-C28	930	25.0	"	1000		93.0	75-125			
Surrogate: 1-Chlorooctane	*104*		"	*100*		*104*	*70-130*			
Surrogate: o-Terphenyl	*59.5*		"	*50.0*		*119*	*70-130*			
LCS Dup (P1F1511-BSD1)				Prepared & Analyzed: 06/15/21						
C6-C12	1010	25.0	mg/kg wet	1000		101	75-125	3.56	20	
>C12-C28	958	25.0	"	1000		95.8	75-125	3.04	20	
Surrogate: 1-Chlorooctane	*108*		"	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*59.2*		"	*50.0*		*118*	*70-130*			
Calibration Check (P1F1511-CCV1)				Prepared & Analyzed: 06/15/21						
C6-C12	469	25.0	mg/kg wet	500		93.8	85-115			
>C12-C28	508	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	*121*		"	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*60.1*		"	*50.0*		*120*	*70-130*			
Calibration Check (P1F1511-CCV2)				Prepared & Analyzed: 06/15/21						
C6-C12	529	25.0	mg/kg wet	500		106	85-115			
>C12-C28	545	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	*113*		"	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*63.5*		"	*50.0*		*127*	*70-130*			
Matrix Spike (P1F1511-MS1)	**Source: 1F14004-24**			Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	1120	26.3	mg/kg dry	1050	11.4	106	75-125			
>C12-C28	1080	26.3	"	1050	14.4	102	75-125			
Surrogate: 1-Chlorooctane	*115*		"	*105*		*110*	*70-130*			
Surrogate: o-Terphenyl	*65.2*		"	*52.6*		*124*	*70-130*			

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1511 - TX 1005										
Matrix Spike Dup (P1F1511-MSD1)	**Source: 1F14004-24**			Prepared: 06/15/21 Analyzed: 06/16/21						
C6-C12	1110	26.3	mg/kg dry	1050	11.4	104	75-125	1.71	20	
>C12-C28	1060	26.3	"	1050	14.4	99.6	75-125	2.09	20	
Surrogate: 1-Chlorooctane	*113*		*"*	*105*		*107*	*70-130*			
Surrogate: o-Terphenyl	*64.2*		*"*	*52.6*		*122*	*70-130*			

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/18/2021

Brent Barron, Laboratory Director/Technical Director

NTG Environmental	Project: Cimarex-Dos Equis 11 14 Fed
701 Tradewinds BLVD	Project Number: 214316
Midland TX, 79706	Project Manager: Mike Carmona

Results to: mcarmona@ntglobal.com & cmoehring@ntglobal.com

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 1F14004

Project Manager:	Mike Carmona	Bill to: (if different)	Laci Luig
Company Name:	NTG Environmental	Company Name:	Cimarex Energy Co.
Address:	701 Tradewinds BLVD	Address:	600 N Marienfeld St. #600
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland, Tx 79701
Phone:	432-686-7016	Email:	lluig@cimarex.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dos Equis 11 14 Fed	Turn Around	
Project Number:	214316	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	Yes No	
Received Intact:	(Yes) No	Thermometer ID:	4L	
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	CF+1	
Sample Custody Seals:	(Yes) No N/A	Temperature Reading:	2.7	
Total Containers:		Corrected Temperature:	3.7	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
1	CS-1 (1')	6/10/2021		X		C	1		X	X	X		
2	CS-2 (1')	6/10/2021		X		C	1		X	X	X		
3	CS-3 (1')	6/10/2021		X		C	1		X	X	X		
4	CS-4 (1')	6/10/2021		X		C	1		X	X	X		
5	CS-5 (1')	6/11/2021		X		C	1		X	X	X		
6	CS-6 (1')	6/11/2021		X		C	1		X	X	X		
7	CS-7 (1')	6/11/2021		X		C	1		X	X	X		
8	CS-8 (1')	6/11/2021		X		C	1		X	X	X		
9	CS-9 (1')	6/11/2021		X		C	1		X	X	X		
10	CS-10 (1')	6/11/2021		X		C	1		X	X	X		

Additoinal Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Courtney	Jessa Kledzik	6/14/21 9:00am	2		
3			4		
5			6		

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 1F14004

Page 2 of 4

Project Manager:	Mike Carmona	Bill to: (if different)	Laci Luig
Company Name:	NTG Environmental	Company Name:	Cimarex Energy Co.
Address:	701 Tradewinds BLVD	Address:	600 N Marienfeld St. #600
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland, Tx 79701
Phone:	432-686-7016	Email:	todd_wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dos Equis 11 14 Fed	Turn Around	
Project Number:	214316	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	Yes No	
Received Intact:	(Yes) No	Thermometer ID:	L2	
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	CF4	
Sample Custody Seals:	(Yes) No N/A	Temperature Reading:	2.7	
Total Containers:		Corrected Temperature:	3.7	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
11	CS-11 (3.7')	6/11/2021		X		C	1		X	X	X		
12	CS-12 (3.7')	6/11/2021		X		C	1		X	X	X		
13	CS-13 (3.7')	6/11/2021		X		C	1		X	X	X		
14	CS-14 (3.7')	6/11/2021		X		C	1		X	X	X		
15	CS-15 (3.7')	6/11/2021		X		C	1		X	X	X		
16	CS-16 (3.7')	6/11/2021		X		C	1		X	X	X		
17	CS-17 (3.7')	6/11/2021		X		C	1		X	X	X		
18	CS-18 (3.7')	6/11/2021		X		C	1		X	X	X		
19	SW-1	6/10/2021		X		C	1		X	X	X		
20	SW-2	6/10/2021		X		C	1		X	X	X		

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Cam Money	Olivia Bledsoe	6/14/21 9:00AM	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 1F14004

Page 3 of 4

Project Manager:	Mike Carmona	Bill to: (if different)	Laci Luig
Company Name:	NTG Environmental	Company Name:	Cimarex Energy Co.
Address:	701 Tradewinds BLVD	Address:	600 N Marienfeld St. #600
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland, Tx 79701
Phone:	432-686-7016	Email:	todd_wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dos Equis 11 14 Fed	Turn Around	☑ Routine ☐ Rush
Project Number:	214316	Due Date:	
Project Location	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes No
Received Intact:	(Yes) No	Thermometer ID:	L2
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	CF+1
Sample Custody Seals:	(Yes) No N/A	Temperature Reading:	2.7
Total Containers:		Corrected Temperature:	3.7

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
21	SW-3	6/10/2021		X		C	1	X	X	X		
22	SW-4	6/10/2021		X		C	1	X	X	X		
23	SW-5	6/10/2021		X		C	1	X	X	X		
24	SW-6	6/10/2021		X		C	1	X	X	X		
25	SW-7	6/11/2021		X		C	1	X	X	X		
26	SW-8	6/11/2021		X		C	1	X	X	X		
27	SW-9	6/11/2021		X		C	1	X	X	X		
28	SW-10	6/11/2021		X		C	1	X	X	X		
29	SW-11	6/11/2021		X		C	1	X	X	X		
30	SW-12	6/11/2021		X		C	1	X	X	X		

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Corey Money	Myrna Bledroe	6/14/21 9:00AM	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 1F14004

Page 4 of 4

Project Manager:	Mike Carmona	Bill to: (if different)	Laci Luig
Company Name:	NTG Environmental	Company Name:	Cimarex Energy Co.
Address:	701 Tradewinds BLVD	Address:	600 N Marienfeld St. #600
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland, Tx 79701
Phone:	432-686-7016	Email:	todd_wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dos Equis 11 14 Fed	Turn Around	
Project Number:	214316	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	Yes No	
Received Intact:	(Yes) No	Thermometer ID:	L2	
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	CF+1	
Sample Custody Seals:	(Yes) No N/A	Temperature Reading:	2.7	
Total Containers:		Corrected Temperature:	3.7	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
31	SW-13	6/11/2021		X		C	1		X	X	X		
32	SW-14	6/11/2021		X		C	1		X	X	X		
33	SW-15	6/11/2021		X		C	1		X	X	X		
34	SW-16	6/11/2021		X		C	1		X	X	X		

Additoinal Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Conner Moehring	Ajena Bledsoe	6/14/21 9:00am	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

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

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 34059
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/16/2021