Page 6

Oil Conservation Division

# 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. Title: ESH Specialist Printed Name: Laci Luig \_\_\_\_\_ Date: <u>6/28/2021</u> Signature:  $\underline{\langle \alpha c \rangle}$ email: Iluig@cimarex.com Telephone: (432) 208-3035 **OCD Only** Ramona Marcus Received by: 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. Child Hend Date: 07/16/2021 Closure Approved by: 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

)

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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
С	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 Palance: Machanical Equilure					

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.

Incident ID	nAPP2112355045
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?			
release as defined by	Total released is greater than 25 barrels.			
19.15.29.7(A) NMAC?				
Yes 🗌 No				
-	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?			
By: Gloria Garza	na Eads, Robert Hamlet, District 1 Spills, BLM CFO Spill			
By: Email	na Eaus, Robert Hannet, District I Spins, BLM CFO Spin			
by. Eman				
	Initial Response			
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury			
$\square$ The source of the rele	ease 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.				
refeased materials have been contained via the use of borns of anxes, absorbent pads, of 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: <u>A C</u>	Date: 5/3/2021
email: lluig@cimarex.com	Telephone: (432) 208-3035
OCD Only	
Received by: Ramona Marcus	Date:6/30/2021

Received by OCD: 6/28/2021 1:05:45 PM Form C-141 State of New Mexico

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Oil Conservation Division

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Incident ID	
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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?			
Did this release impact groundwater or surface water?			
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 <b>not</b> 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.

Received by OCD: 6/28/2021 1:05:45 PM Form C-141 State of New Mexico			Page 5 of 100	
F01111 C-141			Incident ID	
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are public health or the enviror failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name: Signature: (a.c.)	ormation given above is true and complete to the e required to report and/or file certain release no nment. The acceptance of a C-141 report by the gate and remediate contamination that pose a the of a C-141 report does not relieve the operator o	tifications and perform cc OCD does not relieve the reat to groundwater, surfa f responsibility for compl 	prrective actions for rele e operator of liability sh ice water, human health liance with any other fe	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by:Ramona	Marcus	Date:6/30/	2021	

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Oil Conservation Division

Incident ID	
District RP	
Facility ID	
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# 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 in	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rem human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the O	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Printed Name:	
Signature: <u>A</u> <u>A</u> <u>C</u> <u>A</u>	Date:
email:	Telephone:
OCD Only	
Received by: Ramona Marcus	Date: <u>6/30/2021</u>
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

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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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### FIGURES

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FIGURE 2	TOPOGRAPHIC MAP
FIGURE 3	SITE LOCATION MAP
FIGURE 4	EXCAVATION DEPTH MAP

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TABLE 1REMEDIATION SOIL ANALYTICAL RESULTSPHOTOSPHOTOLOG

#### **APPENDICES**

APPENDIX A	C-141 INITIAL AND FINAL
APPENDIX B	GROUNDWATER RESEARCH
APPENDIX C	LABORATORY ANALYTICAL REPORTS



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 32.23621°, Long -103.64876°) 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°, -103.64876° 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 <sup>1</sup>/<sub>2</sub> 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

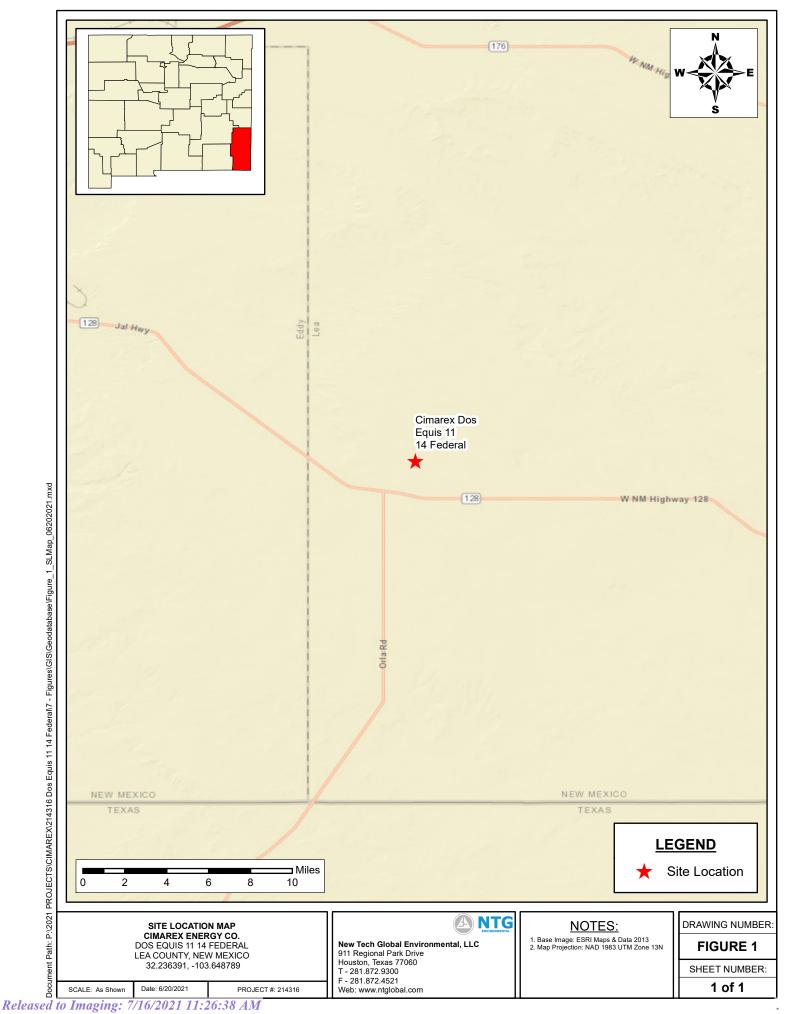
Mike Carmona Senior Project Manager

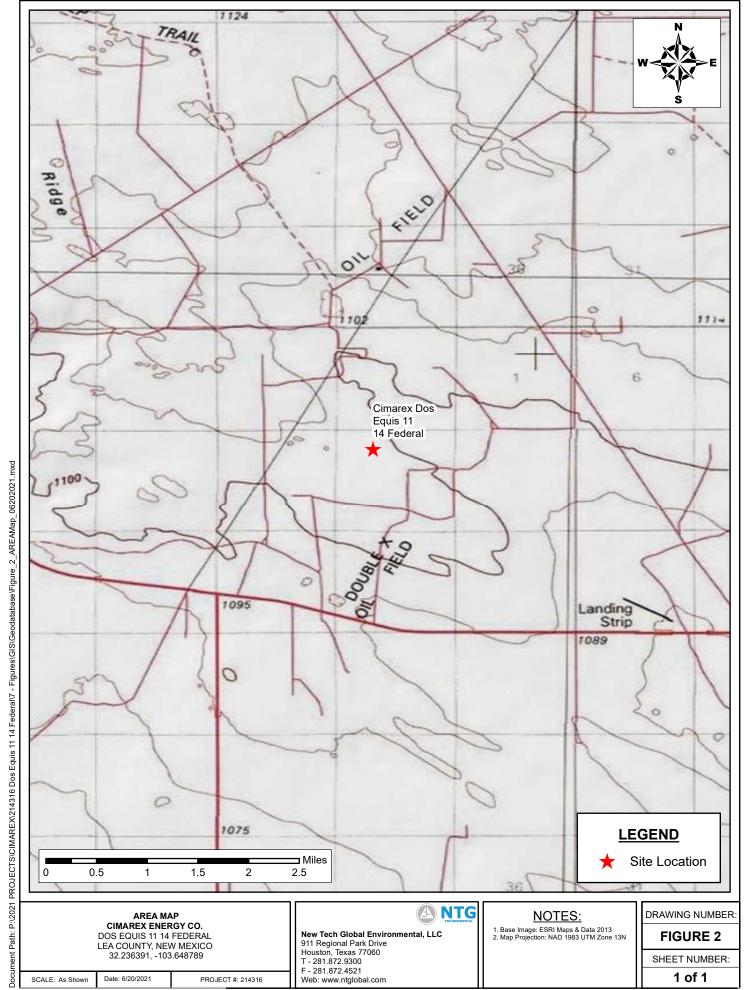
Conner Moehring Project Manager



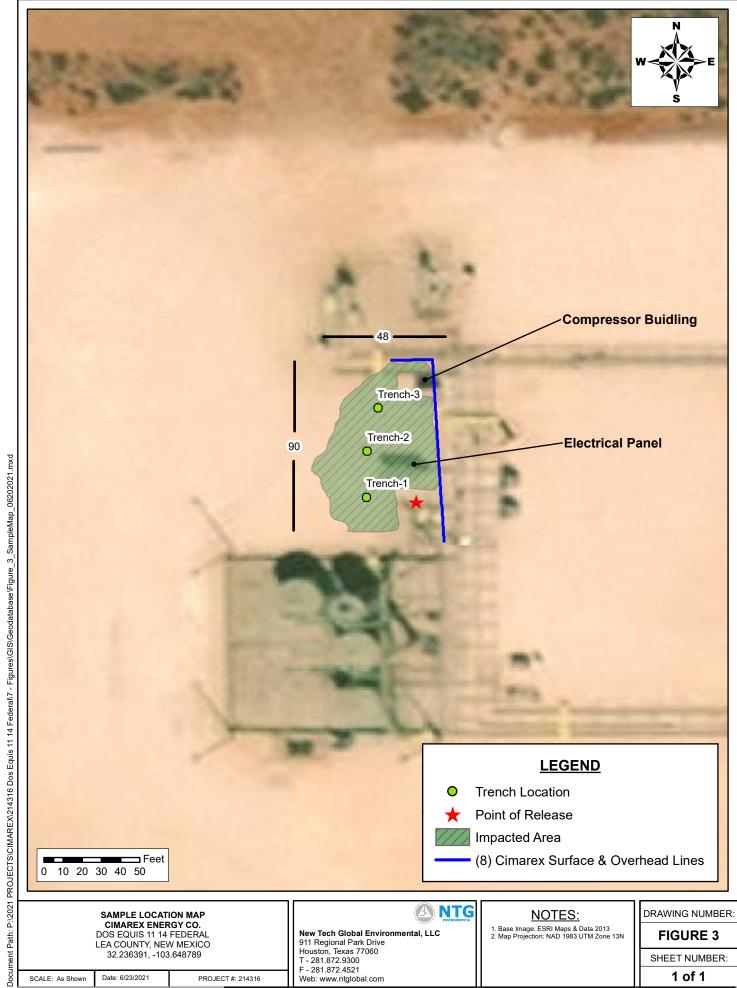


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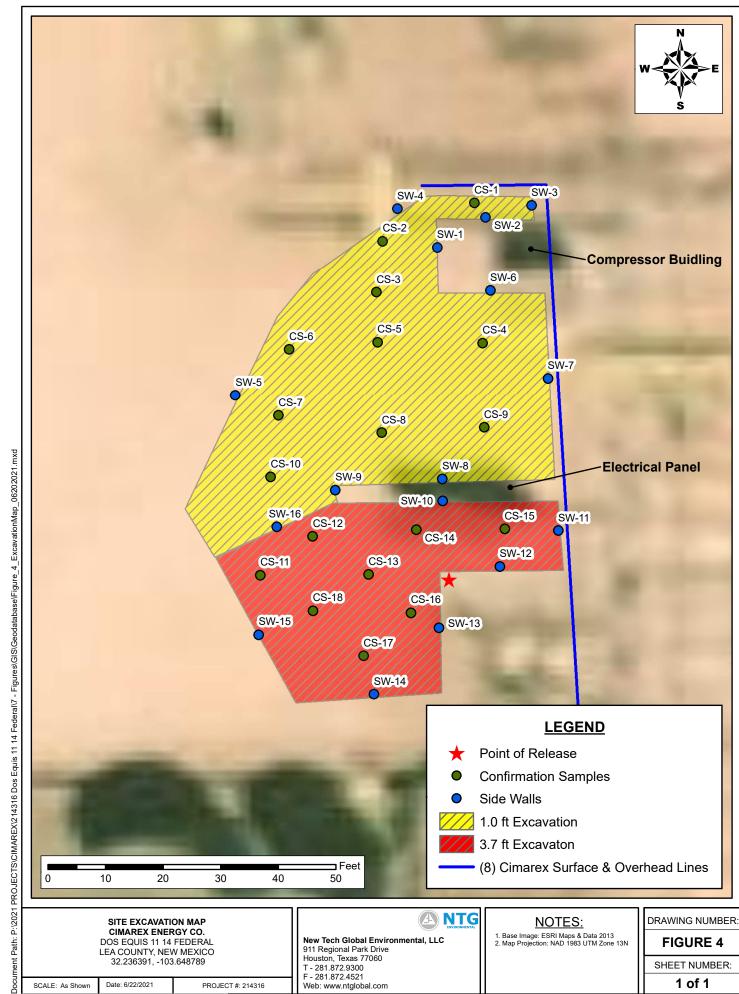


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**Tables** 

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

Sample ID	Date	Excavation		TP	H (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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

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

Samula ID	Date	Excavation		TP	H (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
Regular	tory 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





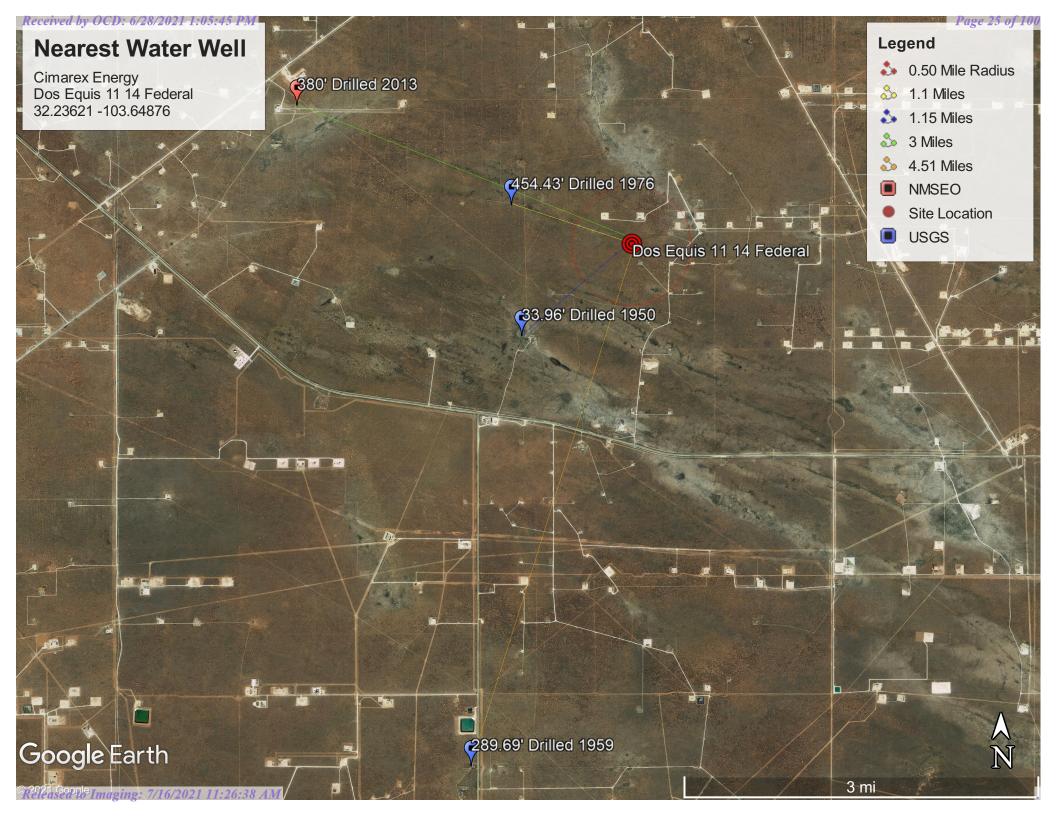
Cimarex Dos Equis 11 14 Federal Unit C Sec 11 204S 32E 32.23621°, -103.64876° Lea County

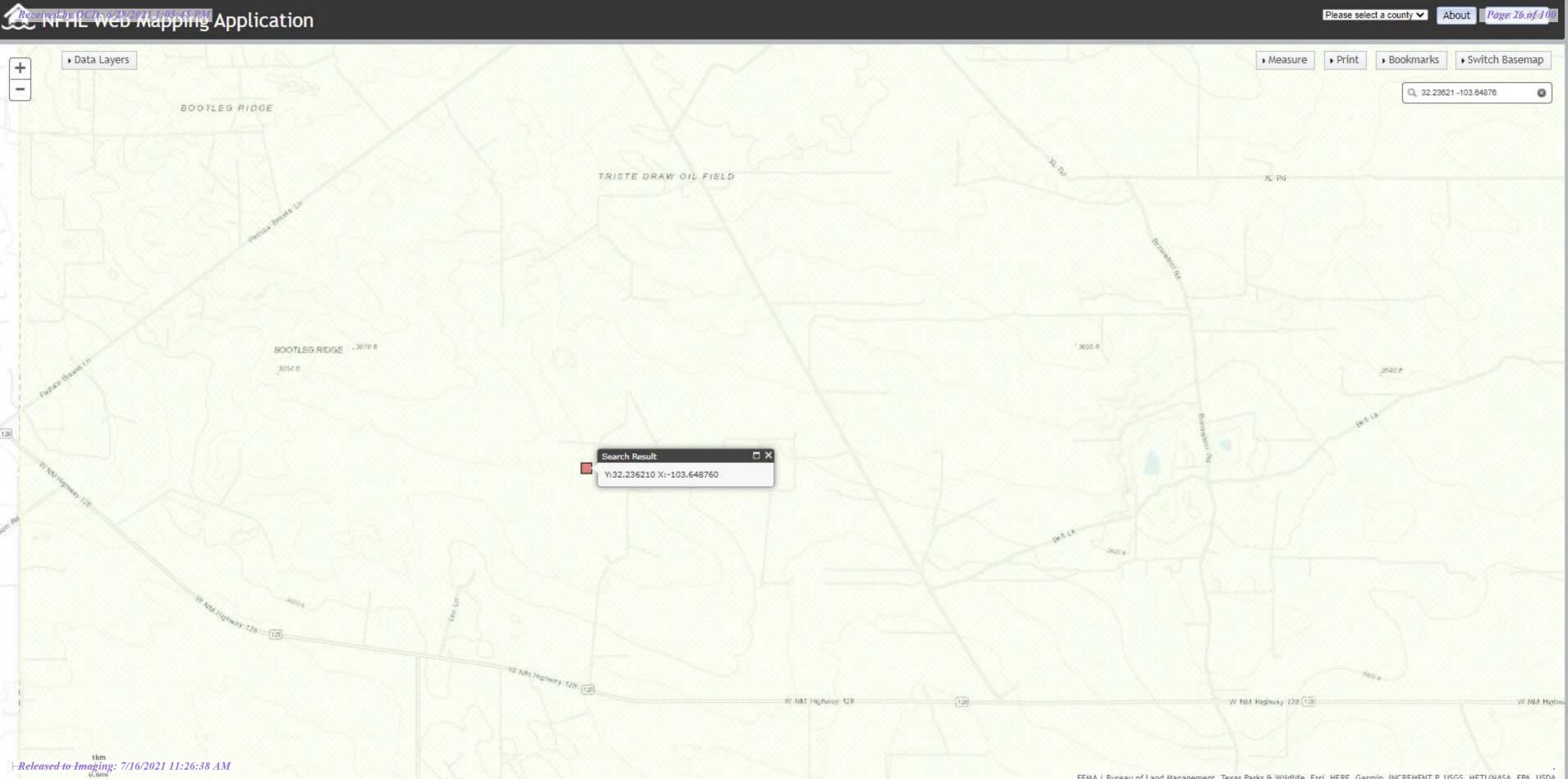
-No water features within specified distances of 1/2 mile radius

-Low Karst

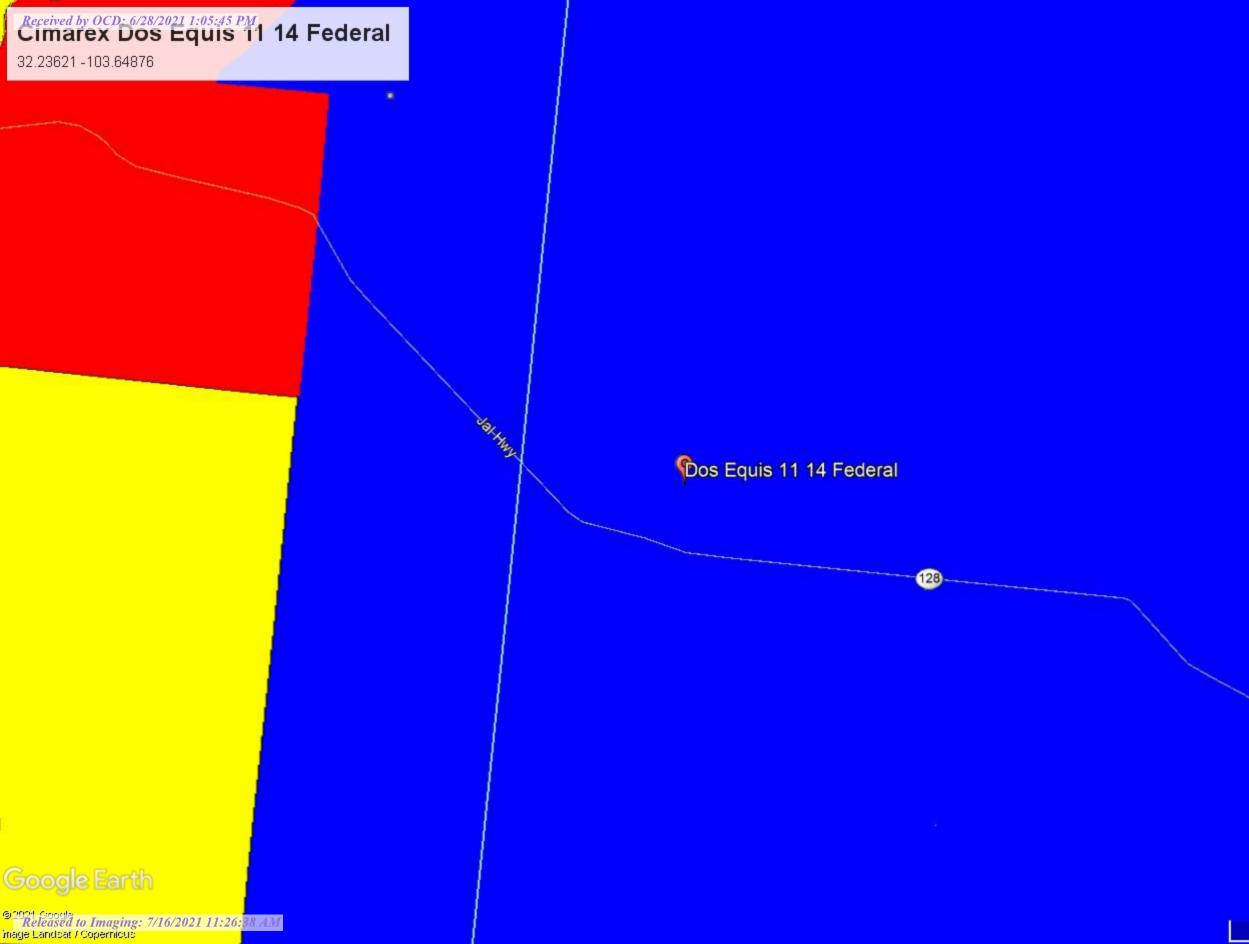
-USGS Groundwater is 454.43' below surface, 1.1 miles Northwest of the site, 1976 drilled -USGS Groundwater is 289.69' below surface, 4.51 miles Southwest of the site, 1959 drilled -USGS Groundwater is 33.96' below surface, 1.15 miles Southwest of the site, 1950 drilled -NMSEO Groundwater is 380' below 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





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









# 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 replaced, O=orpha C=the fil	ned,	(qı						E 3=SW	/	2 UTM in motors		fact)	
water right mety	closed)	POD	(q	uarte	ers a	are	small	est to la	argest)	(NAD8.	3 UTM in meters	s) (In	feet)	
		Sub-		Q	Q	Q							W	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DepthWellDepth	Water Co	olumn
<u>C 01932</u>		С	ED		3	1	12	24S	32E	628633	3567188* 🌍	492		
<u>C 02350</u>		CUB	ED		4	3	10	24S	32E	625826	3566333* 🌍	60		
<u>C 03527 POD1</u>		С	LE	1	2	3	03	24S	32E	625770	3568487 🌍	500		
<u>C 03528 POD1</u>		С	LE	1	1	2	15	24S	32E	626040	3566129 🌍	541		
<u>C 03530 POD1</u>		С	LE	3	4	3	07	24S	32E	620886	3566156 🌍	550		
C 03555 POD1		С	LE	2	2	1	05	24S	32E	622748	3569233 🌍	600	380	220
<u>C 04536 POD1</u>		С	LE	1	2	2	33	24S	32E	625019	3561244 🌍	600		
										1	Average Depth to	Water:	380 fee	et
											Minimu	m Depth:	380 fee	et
											Maximur	n Depth:	380 fee	et

#### PLSS Search:

Township: 24S Range: 32E

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

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/25/21 8:22 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer Point of Diversion Summary

			(quarter	s are 1=N	W 2=1	NE 3=SV	W 4=SE)			
			(quarte	ers are sm	allest t	o larges	t)	(NAD83 UT	M in meters)	
Well Tag	POD	Number	Q64 (	216 Q4	Sec	Tws	Rng	Х	Y	
NA	C 03	3555 POD1	2	2 1	05	24S	32E	622748	3569233 🌍	
x Driller Lic Driller Na		1654	Driller	Compa	ny:		T WORI D CONS		HIRESIRMA	AN DRILLING
Drill Start	Date:	10/20/2013	Drill Fi	nish Da	te:	1(	0/21/201	3 Plu	g Date:	
Log File D	ate:	11/07/2013	PCW R	cv Date	:			Sou	irce:	Shallow
Ритр Тур	e:		Pipe Di	scharge	Size	:	Est	imated Yield:	5 GPM	
Casing Siz	e:	6.00	Depth V	Vell:		60	00 feet	Dej	oth Water:	380 feet
X	Wate	r Bearing Stratif	fications:	То	p B	Bottom	Descri	iption		
				47	75	550	Sandst	tone/Gravel/	Conglomerate	
X		Casing Per	forations:	To	p B	Bottom				
				46		520				

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5/25/21 8:24 AM

POINT OF DIVERSION SUMMARY

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**National Water Information System: Web Interface** 

**USGS Water Resources** 

 Data Category:
 Geographic Area:

 Groundwater
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- Full News 🔊

Groundwater levels for New Mexico

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\* IMPORTANT: Next Generation Station Page

#### Search Results -- 1 sites found

Agency code = usgs site\_no list = • 321428103395801

**Minimum number of levels =** 1 <u>Save file of selected sites</u> 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 626	510	3196.84	NGVD29	1	:	Z	
1976-01-22			D 626	511	3198.57	NAVD88	1	:	Z	
1976-01-22			D 720	454.4	3		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.

#### Released to Imaging: 7/16/2021 11:26:38 AM

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#### Search Results -- 1 sites found

Agency code = usgs site\_no list = • 321312103395601

**Minimum number of levels =** 1 <u>Save file of selected sites</u> 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		

#### Released to Imaging: 7/16/2021 11:26:38 AM

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	5
2006-02-07	16:30 UTC	m	62611		3571.33	NAVD88	1	S	USGS	5
2006-02-07	16:30 UTC	m	72019	19.40			1	S	USGS	5
2010-12-16	22:30 UTC	m	62610		3555.04	NGVD29	1	S	USGS	5
2010-12-16	22:30 UTC	m	62611		3556.77	NAVD88	1	S	USGS	5
2010-12-16	22:30 UTC	m	72019	33.96			1	S	USGS	5

#### 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	А	Approved for publication Processing and review completed.

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 U.S. Department of the Interior
 U.S. Geological Survey

 Title:
 Groundwater for New Mexico:
 Water Levels

 URL:
 https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2021-05-25 10:39:11 EDT 0.34 0.3 nadww02



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#### 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		

#### Received by OCD: 6/28/2021 1:05:45 PM

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	А	Approved for publication Processing and review completed.			

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Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2021-05-25 10:33:02 EDT 0.39 0.35 nadww01



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



# 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



**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

Page 38	6 of 100
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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

(	C	S	<b>)</b> -	1	Ć	Ŋ	1'	

1F14004-01 (Soil)

A 1- d-		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		Р	ermian B	asin Envii	ronmental I	.ab, 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 / Stand	lard Metl	hods						
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 EP/	A 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 701 Tradewinds BLVD Midland TX, 79706			5	t Number:		Equis 11 14 Fed 1a			
				CS-2 1F14004	0				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	dard Met	hods						
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706			-	t Number:		Equis 11 14 Fed			
				CS-3 1F14004-	0				
				11 14004	-05 (5011)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
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 / Stand	lard Met	hods						
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 EP/	A 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 701 Tradewinds BLVD Midland TX, 79706			Project	t Number: Manager: <b>CS-4</b>	214316 Mike Carmon	Equis 11 14 Fed a			
				1F14004-	-04 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP.	A 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 701 Tradewinds BLVD Midland TX, 79706			-	t Number:		Equis 11 14 Fed na			
				CS-5 1F14004	0				
				11 14004	00 (001)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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	cale	

NTG Environmental 701 Tradewinds BLVD Midland TX, 79706			-	Number:		Equis 11 14 Fed na			
				CS-6	0				
				1F14004-	-00 (5011)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706			5	t Number:		Equis 11 14 Fed na			
				CS-7	$\sim$				
				1F14004-	-07 (8011)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706				t Number:		Equis 11 14 Fed na			
				CS-8	0				
				1F14004-	-08 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	dard Met	hods						
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706			5	t Number:		Equis 11 14 Fed na			
				CS-9	0				
				1F14004-	-09 (8011)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706			5	t Number:		Equis 11 14 Fed a			
				CS-10 1F14004-	0				
				1114004	-10 (5011)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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 EnvironmentalProject:Cimarex-Dos Equis 11 14 Fed701 Tradewinds BLVDProject Number:214316Midland TX, 79706Project Manager:Mike Carmona										
				CS-11 1F14004-	0					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	ab, L.P.				
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 / Stand	lard Met	hods							
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 EP	A 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		

					<i>a</i> : <b>b</b>	E			
NTG Environmental				5		Equis 11 14 Fed			
701 Tradewinds BLVD			5	t Number:					
Midland TX, 79706			Project	Manager:	Mike Carmon	ıa			
				CS-12	@ 3.7'				
				1F14004-	-12 (Soil)				
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
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 / Stand	lard Met	hods						
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	
<u>Total Petroleum Hydrocarbons C6</u>	-C35 by EP	<b>A</b> 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 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona									
				CS-13 1F14004-	0					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian Ba	asin Envi	ronmental L	ab, L.P.				
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 / Stand	dard Met	hods							
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706			-	t Number:		Equis 11 14 Fed			
				CS-14 1F14004	0				
				11 14004	14 (501)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
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 / Stand	dard Met	hods						
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	A Method	l 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 701 Tradewinds BLVD Midland TX, 79706			5	t Number: Manager:	214316 Mike Carmor	Equis 11 14 Fed na			
				CS-15 1F14004-	0				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona									
				CS-16 1F14004-	0					
		Reporting			. ,					
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	ab, L.P.				
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 / Stand	lard Met	hods							
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706			-	t Number:		Equis 11 14 Fed na			
				CS-17 1F14004-	0				
					17 (301)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona									
				CS-18 1F14004-	0					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	ab, L.P.				
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 / Stand	lard Met	hods							
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 EP	A 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		

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ATG EnvironmentalProject:Cimarex-Dos Equis 11 14 Fed01 Tradewinds BLVDProject Number:214316Aidland TX, 79706Project Manager:Mike Carmona									
				SW					
				1F14004-	-19 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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	

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NTG Environmental 701 Tradewinds BLVD Midland TX, 79706	1 Tradewinds BLVD Project Number: 214316									
				SV	V-2					
				1F14004	-20 (Soil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.				
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 / Stand	lard Met	hods							
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 EP	A 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		

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NTG Environmental 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona								
				SV	V-3				
				1F14004	-21 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ironmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A Method	1 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	cale	

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NTG Environmental 701 Tradewinds BLVD Midland TX, 79706	Project Number: 214316									
				SW	V-4					
				1F14004-	-22 (Soil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	ab, L.P.				
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 / Stand	lard Met	hods							
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 EP	A 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	cale		

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NTG Environmental 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona									
				SW 1F14004-						
				11 14004	20 (301)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	ab, 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 / Stand	lard Met	hods							
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 EP	A 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		

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NTG EnvironmentalProject:Cimarex-Dos Equis 11 14 Fed701 Tradewinds BLVDProject Number:214316Midland TX, 79706Project Manager:Mike Carmona										
				SV	V-6					
				1F14004	-24 (Soil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.				
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 / Stand	lard Met	hods							
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 EP	A 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		

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NTG Environmental 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona								
				SV	V-7				
				1F14004	-25 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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		<i>P1F1414</i>	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	

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NTG EnvironmentalProject:Cimarex-Dos Equis 11 14 Fed701 Tradewinds BLVDProject Number:214316Midland TX, 79706Project Manager:Mike Carmona									
				SW	/-8				
				1F14004-	-26 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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	

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NTG Environmental 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona									
					V-9					
				1F14004	-27 (Soil)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	ab, L.P.				
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 / Stand	dard Met	hods							
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 EP.	A 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		<i>P1F1414</i>	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		

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NTG Environmental 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona								
				SW					
				1F14004	-28 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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		<i>P1F1414</i>	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 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona									
				SW 1F14004						
				1114004	-29 (3011)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	ab, L.P.				
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 / Stand	lard Met	hods							
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 EP	A 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		<i>P1F1414</i>	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		

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NTG Environmental 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona									
				SW 1F14004						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Р	ermian B	asin Envi	ronmental L	ab, L.P.				
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 / Stand	lard Met	hods							
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 EP	A 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		<i>P1F1414</i>	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		

Permian Basin Environmental Lab, L.P.

NTG Environmental 701 Tradewinds BLVD Midland TX, 79706	Project: Cimarex-Dos Equis 11 14 Fed Project Number: 214316 Project Manager: Mike Carmona								
				SW 1F14004-					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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	
<u>Total Petroleum Hydrocarbons C6</u>	-C35 by EP.	A 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 701 Tradewinds BLVD Midland TX, 79706			5	t Number:		Equis 11 14 Fed na			
				SW					
				1F14004	-32 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
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 / Stand	dard Met	hods						
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 EP	A 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 701 Tradewinds BLVD Midland TX, 79706			5	t Number:		Equis 11 14 Fed na			
				SW	-15				
				1F14004	-33 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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	cale	

NTG Environmental 701 Tradewinds BLVD Midland TX, 79706			5	t Number:		Equis 11 14 Fed na			
				SW					
				1F14004	-34 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian B	asin Envi	ronmental L	.ab, L.P.			
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 / Stand	lard Met	hods						
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 EP	A 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	cale	

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

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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			

Permian Basin Environmental Lab, L.P.

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

Permian	Basin	Environmental	Lab,	L.P.
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		Reporting		Spike	Source	a ( <b>B</b> = -	%REC	D.F.=	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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: (	)6/14/21 Ai	nalyzed: 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			

Permian Basin Environmental Lab, L.P.

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

#### 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 ***										
Calibration Check (P1F1409-CCV3)				Prepared: (	06/14/21	Analyzed: 06	5/15/21			
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)	Sou	rce: 1F14004	-01	Prepared: (	06/14/21	Analyzed: 06	5/15/21			
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-0
Xylene (o)	0.0979	0.00100		0.130	ND	75.4	80-120			QM-0
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)	Sou	rce: 1F14004	-01	Prepared: (	06/14/21	Analyzed: 06	5/15/21			
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	5/15/21			
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			

Permian Basin Environmental Lab, L.P.

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

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1F1410 - *** DEFAULT PREP ***										
LCS (P1F1410-BS1)				Prepared: 0	6/14/21 Ai	nalyzed: 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: 0	6/14/21 Ai	nalyzed: 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: 0	6/14/21 Ai	nalyzed: 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: 0	6/14/21 Ai	nalyzed: 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			

Permian Basin Environmental Lab, L.P.

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

Permian Basin Environmental Lab, L.P.

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: (	)6/14/21 Ar	nalvzed: 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 Ar	nalyzed: 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 Ar	nalyzed: 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: (	)6/14/21 Ar	nalyzed: 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			

Permian Basin Environmental Lab, L.P.

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

#### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch P1F1410 - \*\*\* DEFAULT PREP \*\*\*

Matrix Spike (P1F1410-MS1)	Sour	ce: 1F14004-0	07	Prepared: 0	6/14/21 A	nalyzed: 06	6/15/21			
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)	Sour	ce: 1F14004-(	07	Prepared: 0	6/14/21 A	nalyzed: 06	6/15/21			
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 \*\*\*

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	Blank (P1F1504-BLK1)				Prepared & Ana	lyzed: 06/15/21		
ND         0.00100	Benzene	ND	0.00100	mg/kg wet				
Entrybeitzelle     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	Toluene	ND	0.00100	"				
Xylene (p/nl)         ND         0.00200           Xylene (o)         ND         0.00100         "           Surrogate: 4-Bromofluorobenzene         0.105         "         0.120         87.4         75-125	Ethylbenzene	ND	0.00100	"				
Surrogate: 4-Bromofluorobenzene         0.105         "         0.120         87.4         75-125	Xylene (p/m)	ND	0.00200	"				
Surrogue. 4-bromojiuorobenzene 0.105 0.120 87.4 75-123	Xylene (o)	ND	0.00100	"				
Surrogate: 1,4-Difluorobenzene 0.116 " 0.120 96.5 75-125	Surrogate: 4-Bromofluorobenzene	0.105		"	0.120	87.4	75-125	
	Surrogate: 1,4-Difluorobenzene	0.116		"	0.120	96.5	75-125	

Permian Basin Environmental Lab, L.P.

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

Permian	Basin	Environmental	Lab,	L.P.
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Kesun	Limit	Units	Level	Result	70KEU	Linns	KrD	LIIIII	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			

Permian Basin Environmental Lab, L.P.

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

Permian	Basin	Environment	al	Lab,	L.P.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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			

Permian Basin Environmental Lab, L.P.

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

#### Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1504 - *** DEFAULT PREP ***										

Matrix Spike (P1F1504-MS1)	Sour	ce: 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)	Sour	ce: 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			-

Permian Basin Environmental Lab, L.P.

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

#### Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1F1505 - *** DEFAULT PREP ***										
Blank (P1F1505-BLK1)				Prepared &	à 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 &	k Analyzed:	06/15/21				
Chloride	390	1.00	mg/kg wet	400		97.6	90-110	0.171	20	
Calibration Check (P1F1505-CCV1)				Prepared &	k Analyzed:	06/15/21				
Chloride	19.0		mg/kg	20.0		95.0	90-110			
Calibration Check (P1F1505-CCV2)				Prepared &	k 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)	Sou	rce: 1F11005	-01	Prepared &	k Analyzed:	06/15/21				
Chloride	2440	5.68	mg/kg dry	568	1640	141	80-120			QM-05
Matrix Spike (P1F1505-MS2)	Sou	rce: 1F14002	-23	Prepared &	k Analyzed:	06/15/21				
Chloride	649	1.09	mg/kg dry	543	173	87.5	80-120			
Matrix Spike Dup (P1F1505-MSD1)	Sou	rce: 1F11005	-01	Prepared &	k 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)	Sou	rce: 1F14002	-23	Prepared &	analyzed:	06/15/21				
Chloride	676		mg/kg dry	543	173	92.5	80-120	4.12	20	

Permian Basin Environmental Lab, L.P.

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

#### Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Anaryte	Kesuit	Liiiit	Units	Level	Kesuit	70KEC	Linns	KPD	Liiiit	Indies
Batch P1F1506 - *** DEFAULT PREP ***										
LCS (P1F1506-BS1)				Prepared &	k 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)	Sour	ce: 1F14004	-08	Prepared &	a Analyzed:	06/15/21				
Chloride	743	1.12	mg/kg dry	562	276	83.2	80-120			
Matrix Spike (P1F1506-MS2)	Sour	ce: 1F14004	-18	Prepared:	06/15/21 A	nalyzed: 06	/16/21			
Chloride	603	1.18	mg/kg dry	588	9.39	101	80-120			
Matrix Spike Dup (P1F1506-MSD1)	Sour	ce: 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)	Sour		-18	Prepared:	06/15/21 A	nalyzed: 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 &	à Analyzed:	06/15/21				
% Moisture	ND	0.1	%	-						

Permian Basin Environmental Lab, L.P.

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

### Permian Basin Environmental Lab, L.P.

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)	Sou	rce: 1F11009-(	09	Prepared &	Analyzed:	06/15/21				
% Moisture	3.0	0.1	%	2.0				40.0	20	
Duplicate (P1F1508-DUP2)	Sou	rce: 1F14001-	07	Prepared & Analyzed: 06/15/21						
Moisture	14.0	0.1	%	14.0			0.00	20		
Duplicate (P1F1508-DUP3)	Source: 1F14001-22 Pre		Prepared &	Analyzed:	06/15/21					
% Moisture	15.0	0.1	%		14.0			6.90	20	
Duplicate (P1F1508-DUP4)	Sou	rce: 1F14001-	32	Prepared &	Analyzed:	06/15/21				
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P1F1508-DUP5)	Sou	rce: 1F14001-	47	Prepared &	Analyzed:	06/15/21				
% Moisture	16.0	0.1	%		16.0			0.00	20	
Duplicate (P1F1508-DUP6)	Sou	rce: 1F14002-	05	Prepared &	Analyzed:	06/15/21				
% Moisture	8.0	0.1	%	*	8.0			0.00	20	
Duplicate (P1F1508-DUP7)	Sou	rce: 1F14002-	20	Prepared &	Analyzed:	06/15/21				
% Moisture	8.0	0.1	%	1	8.0			0.00	20	
Duplicate (P1F1508-DUP8)	Sou	rce: 1F14004-	03	Prepared &	Analyzed:	06/15/21				
% Moisture	22.0	0.1	%	- repuied of	21.0			4.65	20	

Permian Basin Environmental Lab, L.P.

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

#### Permian Basin Environmental Lab, L.P.

	,									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
i naryo	Result	Lullit	Onto	Level	Result	JUILLE	Linus	NI D	Linit	110105
Batch P1F1508 - *** DEFAULT PREP ***										
Duplicate (P1F1508-DUP9)	Sou	rce: 1F14004	-18	Prepared &	Analyzed:	06/15/21				
% Moisture	15.0	0.1	%		15.0			0.00	20	
Duplicate (P1F1508-DUPA)	Sou	rce: 1F14004	-28	Prepared &	Analyzed:	06/15/21				
% Moisture	25.0	0.1	%		26.0			3.92	20	
Batch P1F1606 - *** DEFAULT PREP ***										
				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)	Sou	rce: 1F14004	-28	Prepared &	Analyzed:	06/16/21				
Chloride	1030	1.35	mg/kg dry	676	184	125	80-120			QM-0

Permian Basin Environmental Lab, L.P.

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

#### Permian Basin Environmental Lab, L.P.

		Reporting	Spike	Source		%REC		RPD	
Analyte	Result	Limit Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1F1606 - *** DEFAULT PREP ***									
Matrix Spike (P1F1606-MS2)	Sourc	e: 1F16004-01	Prepared &	& Analyzed:	: 06/16/21				
Chloride	1820	5.38 mg/kg dr	538	1190	116	80-120			
Matrix Spike Dup (P1F1606-MSD1)	Sourc	e: 1F14004-28	Prepared &	& Analyzed:	: 06/16/21				
Chloride	1060	1.35 mg/kg dr	y 676	184	129	80-120	2.88	20	QM-0
Matrix Spike Dup (P1F1606-MSD2)	Sourc	e: 1F16004-01	Prepared &	& Analyzed:	: 06/16/21				
Chloride	1800	5.38 mg/kg dr	538	1190	114	80-120	0.603	20	

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

#### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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			

Permian Basin Environmental Lab, L.P.

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

### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1F1413 - TX 1005										
Calibration Check (P1F1413-CCV3)				Prepared: (	06/14/21 A	nalyzed: 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)	Sour	ce: 1F14004	-04	Prepared: (	06/14/21 A	nalyzed: 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)	Sour	ce: 1F14004	-04	Prepared: (	06/14/21 A	nalyzed: 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			

Permian Basin Environmental Lab, L.P.

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

### Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Kesuit	Liinit	Units	Level	Kesuit	70KEC	Linnts	KPD	Liiiit	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 A	nalyzed: 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)	Sou	rce: 1F14004	-31	Prepared: (	06/14/21 A	nalyzed: 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			

Permian Basin Environmental Lab, L.P.

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

Permian	Basin	Environmental Lab, L.P.
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyce	Result	Liint	Ollits	Level	Result	70KEC	Linits	Ki D	Liiiit	Notes
Batch P1F1414 - TX 1005										
Matrix Spike Dup (P1F1414-MSD1)	Sour	ce: 1F14004	-31	Prepared: (	)6/14/21 Ai	nalyzed: 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: (	)6/15/21 Ai	nalyzed: 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: (	)6/15/21 Ai	nalyzed: 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: (	)6/15/21 Ai	nalyzed: 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: (	)6/15/21 Ai	nalyzed: 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			

Permian Basin Environmental Lab, L.P.

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

### Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P1F1509 - TX 1005										
Calibration Check (P1F1509-CCV2)				Prepared: (	06/15/21 A	nalyzed: 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 A	nalyzed: 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)	Sou	rce: 1F14004	-19	Prepared: (	06/15/21 A	nalyzed: 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)	Sou	rce: 1F14004	-19	Prepared: (	06/15/21 A	nalyzed: 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 &	à Analyzed:	06/15/21				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							

100

50.0

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Permian Basin Environmental Lab, L.P.

Surrogate: 1-Chlorooctane

Surrogate: o-Terphenyl

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

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

#### Permian Basin Environmental Lab, L.P.

	D I	Reporting	<b>T</b> T 1.	Spike	Source	WREG	%REC	000	RPD	<b>N</b> T (
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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)	Sou	rce: 1F14004	-24	Prepared: (	06/15/21 A	nalyzed: 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			

Permian Basin Environmental Lab, L.P.

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

#### Permian Basin Environmental Lab, L.P.

Analyte Batch P1F1511 - TX 1005	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (P1F1511-MSD1)	Sourc	e: 1F14004-	24	Prepared: 0	)6/15/21 Ai	nalyzed: 06	6/16/21			
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			

Permian Basin Environmental Lab, L.P.

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:

nen Barron

6/18/2021

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Date:

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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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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		1	THE A		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.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. 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 a		nents:						6/11/2021	6/11/2021	6/11/2021	6/11/2021	Date				5	Mes No	Temp Blank:		CRM	Lea Co, NM	214316	Dos Equis 11 14 Fed	7016	Midland, TX 79706	701 Tradewinds BLVD	NTG Environmental	mona				
			Una Bledsoe	Received	each project and a	samples constitut as and shat not as								21	21	21	21	Time		Corrected	Temperature Readino	Correction Factor	Thermometer ID:	Yes No					Fed	ar Sugar (244)								
			me	Received by: (Signature)	charge of \$5 for e	tes a valid purchas sume any respons	£							<b>X</b>	×	×	×	Soll		Corrected Temperature			ter ID:	Wet Ice:	lab, if receiv	TAT starts the da	Due Date:	✓ Routine	Tum	Email: t					·			
				<b>(</b> 9)	ach sample submi	e order from clien sibility for any loss			-	- 	-	r		C C	c	0	c	Water Comp		44	20	101		Yes No	lab, if received by 4:30pm	TAT starts the day received by the		Rush	Tum Around	Email: todd wells@eogresources.com	City, State ZIP:	Address:	Company Name	Bill to: (if different)		•		
		-	6/14/21 9:00 AM	Dat	tted to Xenco, bu	t company to Xer es or expenses i				C.						<u> </u>		Cont	<u>89</u> 11 38,825					ietei				Pres. Code		ogresources	M	6			"一"""""""""""""""""""""""""""""""""""""	•		
			9:00	Datë/Time	it not ana	nco, its afi ncurred b		1						X	××	×	××	<u> </u>	PH 8	015		EX 8			+ M	RO)				.com	Midland, Tx 79701	600 N Marienfeld St.	Cimarex Energy Co	Laci Luig				
		-	Dor		lyzed. The	filiates an y the clieı								×	×	×	×				Chic	oride	ə 30	0.0							1x 7970	rienfeld	nergy C					
	σ	4	2	Reli	ese terms	nt if such													•											1		St. #600	ŏ	. •	t			
	,			Relinquished by: (Signature)	These terms will be enforced	itractors. It assi losses are due f												1	•			·							ANAL									
				: (Signa	nforced unless previously negotiated.	It assigns standard terms and conditions e due to circumstances beyond the contro	,																			•			NALYSIS REQUEST		;		Ť.	,				
				ature)	reviously	ard terms stances be			• ~												•								EQUES	Deliv	Rep	Stat	Pro					
					negotiate	s and con yond the	4			,																		-	<b>T</b> asta	Deliverables: EDD	orting:Le	State of Project:	yram: U					
				Received by: (Signature)	ä	ditions					/														·					EDD	Reporting:Level II Level III	oject:	Program: UST/PST PRP			•	٧v	)
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Revised		Ċ												-				Sample	TASCOL		$Na_{2}o_{2}O_{3}$ . $NaOO_{3}$	National Index		Ŧ	Ļ,	ਲ <u>ਹ</u>	C 00	NO	Presen	"Other:				ients	Page		7	*
Date 05012				Date/Time												1		Sample Comments	NauntAscurbic Acid: SAPC	ZII Avelalerinaon. Zii	ζ Ξ.	ό ở	ñ		Nac	HN	MeC	DIV	Preservative Codes	er:					2		14007	3
Revised Date 05012020 Rev. 2020.1				Time									:				1	lents	SAPC	~~~~~					NaOH: Na	HNO, HN	MeOH: Me	DI Water: H <sub>2</sub> O	odes			,	uperfund		e F		2	
0.1					L											·			<u></u>				:					0							1		ľ	

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Work Order No: \_

Chain of Custody

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

#### CONDITIONS

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

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Action 34059

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