

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2308628236
District RP	
Facility ID	
Application ID	

Closure

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

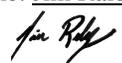
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

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

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

Printed Name: Jim Raley

Title: Environmental Professional

Signature: 

Date: 5/23/2023

email: jim.raley@dvn.com

Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon

Date: 05/24/2023

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

Closure Approved by: 

Date: 10/16/2023

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced



CLOSURE REQUEST

DEVON ENERGY COMPANY

Created for submission to New Mexico Oil Conservation Division on 04/21/2023

JERROD INSKEEP, CES
Environmental Manager

ENERGIZING AMERICA

April 21, 2023

Environmental Incident Group

State of New Mexico
Energy, Minerals, and Natural Resources
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

RE: CLOSURE REQUEST

COMPANY	Devon Energy Company
LOCATION	Ross Draw Unit #037
API	30-015-41676
PLSS	Unit F Sec 22 T26S R30E
GPS	32.0304794, -103.877395
INCIDENT ID	nAPP2308628236

BACKGROUND

Wescom, Inc., hereafter referred to as Wescom, has prepared this Closure Request on behalf of Devon Energy Company, hereafter referred to as Devon, regarding the release at the Ross Draw Unit #037 (Site) located in Unit F, Section 22 Township 26 South and Range 30 East in Eddy County, New Mexico. The GPS coordinates are as follows: 32.0304794 and -103.877395. The surface owner of the Site is the Bureau of Land Management (BLM).

On March 23, 2023, a cable from the rod rotator broke and opened a valve. This failure resulted in the release of 15 barrels (bbls) of produced water onto the caliche pad. Devon immediately isolated the source of the leak and approximately 10 bbls of produced water was recovered. The release impacted an area South of the pumpjack as shown in Figure 1.

Wescom personnel arrived onsite on April 11, 2023, to begin delineation sampling. Wescom personnel returned to the Site on April 12, 2023, and again on April 18, 2023, to collect final confirmation samples.

SURFACE & GROUND WATER

The New Mexico Office of the State Engineer (OSE) records indicates the nearest depth to groundwater measurement is greater than 105 feet below ground surface (bgs) and is on Site. No playas or lakes are located within a 1-mile radius of this Site (Attachment C).

KARST POTENTIAL

According to data from the Bureau of Land Management, this Site is located within medium karst potential as shown in Attachment D. There are no indicators of karst around the Site surface.

TARGET REMEDIAL LEVELS

The target cleanup levels are determined using the NMOCD Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC, inserted below) including karst guidelines from the Bureau of Land Management. This Site is in the medium karst potential zone and depth to groundwater is greater than 105 feet bgs therefore, the applicable Recommended Remediation Action Levels (RRALs) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and xylene (BTEX) and 2,500 ppm Total Petroleum Hydrocarbons (TPH) and 1000 ppm combined Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). A chloride concentration at or below 20,000 mg/kg (ppm) in the soil is also required.

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Ross Draw Unit #037 — 32.0304794, -103.877395						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride * numerical limit or background, whichever is greater	TPH	GRO+DRO	BTEX	Benzene
Based on high karst potential		600	100		50	10
No water data within 0.5 mile radius		600	100		50	10
less than 50 ft bgs		600	100		50	10
51 ft to 100 ft bgs		10000	2500	1000	50	10
greater than 100 ft bgs	>105 ft. bgs	20000	2500	1000	50	10
Surface Water		If yes, then				
< 300 feet from continuously flowing watercourse or other significant watercourse?	Yes or No					
< 200 feet from lakebed, sinkhole or playa lake	No					
Water Well or Water Source						
< 500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
< 1000 feet from fresh water well or spring?	No					
Human and Other Areas						
< 300 feet from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
< 100 feet from wetland?	No					
Within area overlying a subsurface mine?	No					
Within an unstable area?	No					
Within a 100-year floodplan?	No					

Table: Closure Criteria Statistics

DELINEATION ACTIVITIES

On April 11, 2023, Wescom personnel arrived onsite to conduct horizontal and vertical delineation sampling of the release area as shown in Figure 1. A background sample, BG01, was collected 55 feet to the Northwest of the caliche pad, as shown in Figure 1.

Delineation sampling of the on-pad release area was completed in accordance with the strictest closure criteria per Table 1 NMAC. A total of 5 samples were jarred and sent to Envirotech, Inc., for laboratory analysis and all samples were below the applicable RRALs for the Site. Delineation sample locations are presented in Figure 1; laboratory analysis results are presented in Table 1 and laboratory analytical reports are included in Attachment E.

REMEDIATION ACTIVITIES

Beginning on April 12, 2023, Wescom personnel arrived onsite to conduct final confirmation sampling. Halo used a backhoe to remove contaminated soil from the release area and impacted material was hauled to an approved disposal facility.

Wescom personnel collected a total of 16 composite confirmation samples and 2 composite wall samples over the 2-day sampling period. All the confirmation samples were below the applicable RRALs for the Site as shown in Table 2. All soil samples were properly packaged, preserved, and transported to Envirotech, Inc. by chain of custody, and analyzed for Total Petroleum Hydrocarbons, or TPH, —Method 8015D, BTEX—Method 8021B, and Chlorides—Method 300.0. Confirmation sample locations are presented in Figure 2 and laboratory analytical reports are included in Attachment E.

The required 48-hour confirmation sampling notification emails were sent on April 10, 2023, and April 13, 2023, to OCD.Enviro@emnrd.nm.gov and are included in Attachment F.

REQUEST FOR CLOSURE

On behalf of Devon, Wescom hereby requests closure for the release associated with incident number nAPP2303239586 based on the logic below.

- Depth to water at the Site is greater than 105 feet bgs, as per Attachment C.
- The spill area has been horizontally and vertically delineated to the strictest criteria per Table 1 NMAC, see Figure 2.
- All confirmation areas and samples are below applicable RRALs for the Site; Sidewall samples are below the strictest criteria per Table 1 NMAC
- Impacted material was removed and properly disposed of at an approved facility.



If you have any questions or comments, please do not hesitate to call Mr. Jerrod Inskeep at (432) 770-1888.

Sincerely,

Wescom, Inc.

Jerrod Inskeep, CES
Environmental Manager

cc: Jim Raley, Devon Energy Company
Environmental Incident Group, NMOCD

REFERENCE MATERIALS

FIGURES

- FIGURE 1.** Delineation Sampling
- FIGURE 2.** Confirmation Sampling

TABLES

- TABLE 1.** Laboratory Analysis Results: Delineation Samples
- TABLE 2.** Laboratory Analysis Results: Confirmation Samples

ATTACHMENTS

- ATTACHMENT A.** C-141
- ATTACHMENT B.** Site Photos
- ATTACHMENT C.** Closure Criteria Supporting Documents
- ATTACHMENT D.** Karst Map
- ATTACHMENT E.** Envirotech Inc. Laboratory Analysis Reports
- ATTACHMENT F.** 48-hour Confirmation Sampling Notification Emails



FIGURES



Laboratory Analysis Results			
ID	TPH	BTEX	Chloride
BG01	ND	ND	ND
SS01D	ND	ND	162
SS02C	ND	ND	145
SS03	ND	ND	233
SS04B	ND	ND	105
SS05	ND	ND	ND
SS06	ND	ND	57.9
SS07	ND	ND	227



**FIGURE 1.
DELINEATION SAMPLES**



Ross Draw Unit #037
 Incident ID: nAPP2308628236
 API: 30-015-41676
 GPS Coordinates: 32.03047940, -103.877395
 Eddy County, New Mexico
 Devon Energy

LEGEND

- Delineation Samples
- Spill Area



Laboratory Analysis Results			
ID	TPH	BTEX	Chloride
CONF01	ND	ND	521
CONF02	ND	0.0275	370
CONF03	ND	ND	1250
CONF04	ND	ND	4840
CONF05	ND	ND	753
CONF06	ND	ND	3200
CONF07	ND	ND	3210
CONF08	ND	ND	324
CONF09	ND	ND	2530
CONF10	ND	ND	3900
CONF11	ND	ND	1220
CONF12	ND	ND	2470
CONF13	ND	ND	1310
CONF14	ND	ND	6570
CONF15	157.9	ND	6010
CONF16	ND	ND	3700
CONF17-Wall	ND	ND	90.7
CONF18-Wall	ND	ND	191



FIGURE 2.
CONFIRMATION SAMPLES

Ross Draw Unit #037
 Incident ID: nAPP2308628236
 API: 30-015-41676
 GPS Coordinates: 32.03047940, -103.877395
 Eddy County, New Mexico
 Devon Energy

0 20 40 60 80 Feet

LEGEND

- ConfirmationPoints
- Excavation
- Spill Area

TABLES



Ross Draw Unit #037 nAPP2308628236						
Devon Energy 05.03.2023						
Table 1. Laboratory Analysis Results: Delineation Samples						
Sample Description			Petroleum Hydrocarbons			Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable	Chloride (mk/kg)
			Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	
Closure Criteria			10	50	100	600
BG01	1	4/11/2023	ND	ND	ND	ND
SS01D	0	4/11/2023	ND	ND	ND	162
SS02C	0	4/11/2023	ND	ND	ND	145
SS03	0	4/11/2023	ND	ND	ND	233
SS04B	0	4/11/2023	ND	ND	ND	105
SS05	0	4/11/2023	ND	ND	ND	ND
SS06	1	4/11/2023	ND	ND	ND	57.9
SS07	4	4/11/2023	ND	ND	ND	227
ABBREVIATIONS						
BTEX — Benzene, Toluene, Ethylene, Xylene			GRO — Gasoline Range Organics			
DRO — Diesel Range Organics			ND — Non-detect			
ft. — Feet			mg/kg — Milligrams per Kilogram			
TPH — Total Petroleum Hydrocarbons						
Notes						
Bold Red - Results are above closure criteria						
Gray Highlight - Background Samples						



Ross Draw Unit #037 | nAPP2308628236

Devon Energy | 05.03.2023

Table 2. Laboratory Analysis Results: Confirmation Samples

Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mk/kg)
			Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	
Closure Criteria			10	50	2500	1000	20000
CONF01	0.5	4/18/2023	ND	ND	ND	ND	521
CONF02	0.5	4/18/2023	ND	0.0275	ND	ND	370
CONF03	0.5	4/18/2023	ND	ND	ND	ND	1250
CONF04	0.5	4/18/2023	ND	ND	ND	ND	4840
CONF05	0.5	4/18/2023	ND	ND	ND	ND	753
CONF06	0.5	4/18/2023	ND	ND	ND	ND	3200
CONF07	0.5	4/18/2023	ND	ND	ND	ND	3210
CONF08	0.5	4/18/2023	ND	ND	ND	ND	324
CONF09	0.5	4/18/2023	ND	ND	ND	ND	2530
CONF10	0.5	4/18/2023	ND	ND	ND	ND	3900
CONF11	0.5	4/18/2023	ND	ND	ND	ND	1220
CONF12	0.5	4/18/2023	ND	ND	ND	ND	2470
CONF13	0.5	4/18/2023	ND	ND	ND	ND	1310
CONF14	1	4/18/2023	ND	ND	ND	ND	6570
CONF15	1	4/18/2023	ND	ND	ND	157.9	6010
CONF16	1	4/18/2023	ND	ND	ND	ND	3700
CONF17 Wall	0.5	4/18/2023	ND	ND	ND	ND	90.7
CONF18 Wall	0.5	4/18/2023	ND	ND	ND	ND	191

ABBREVIATIONS

BTEX — Benzene, Toluene, Ethylene, Xylene

GRO — Gasoline Range Organics

DRO — Diesel Range Organics

ND — Non-detect

ft. — Feet

mg/kg — Milligrams per Kilogram

TPH — Total Petroleum Hydrocarbons

Notes

Bold Red - Results are above closure criteria

Gray Highlight - Background Samples



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

Ross Draw Unit #037 | Incident ID: nAPP2308628236

ATTACHMENT A

C-141



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

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

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

Incident ID	nAPP2308628236
District RP	
Facility ID	
Application ID	

Responsible Party

Responsible Party WPX Energy Permain, LLC	OGRID 246289
Contact Name Jim Raley	Contact Telephone 575-689-7597
Contact email Jim.Raley@dvn.com	Incident # (assigned by OCD) nAPP2308628236
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.0304794 Longitude -103.877395
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: ROSS DRAW UNIT #037	Site Type: Oil Well
Date Release Discovered: 3/23/2023	API# (if applicable) 30-015-41676

Unit Letter	Section	Township	Range	County
E	22	26S	30E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls) 0	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 15	Volume Recovered (bbls) 10
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Valve open on wellhead. Cable from rod rotator broke and opened up 1" valve. This allowed the release of 15 bbls produced water to pad surface. Approx 10 bbls was recovered

$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^3)}{4.21(\frac{ft^3}{bbl\ equivalent})} * estimated\ soil\ porosity(\%) + recovered\ fluids\ (bbl)$$

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Jim Raley</u> Title: <u>Environmental Professional</u>
Signature: <u></u> Date: <u>3/27/2023</u>
email: <u>jim.raley@dvn.com</u> Telephone: <u>575-689-7597</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	nAPP2308628236
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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?	>105 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

Page 4

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Printed Name: Jim Raley

Title: Environmental Professional

Signature: 

Date: 5/23/2023

email: jim.raley@dvn.com

Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon

Date: 05/24/2023

Incident ID	nAPP2308628236
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 items must be included in the closure report.*

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

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

Printed Name: Jim Raley

Title: Environmental Professional

Signature: 

Date: 5/23/2023

email: jim.raley@dvn.com

Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon

Date: 05/24/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

ATTACHMENT B

Site Photos



Energizing America

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Ross Draw Unit #037 | Incident ID: nAPP2308628236

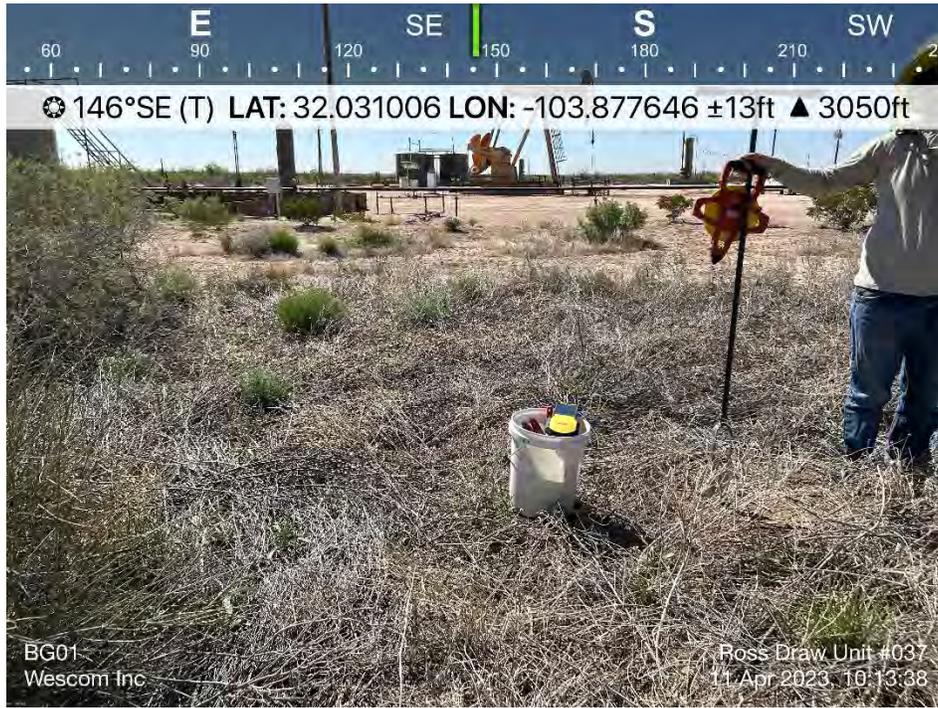


Spill Area



Spill Area





Background Sample

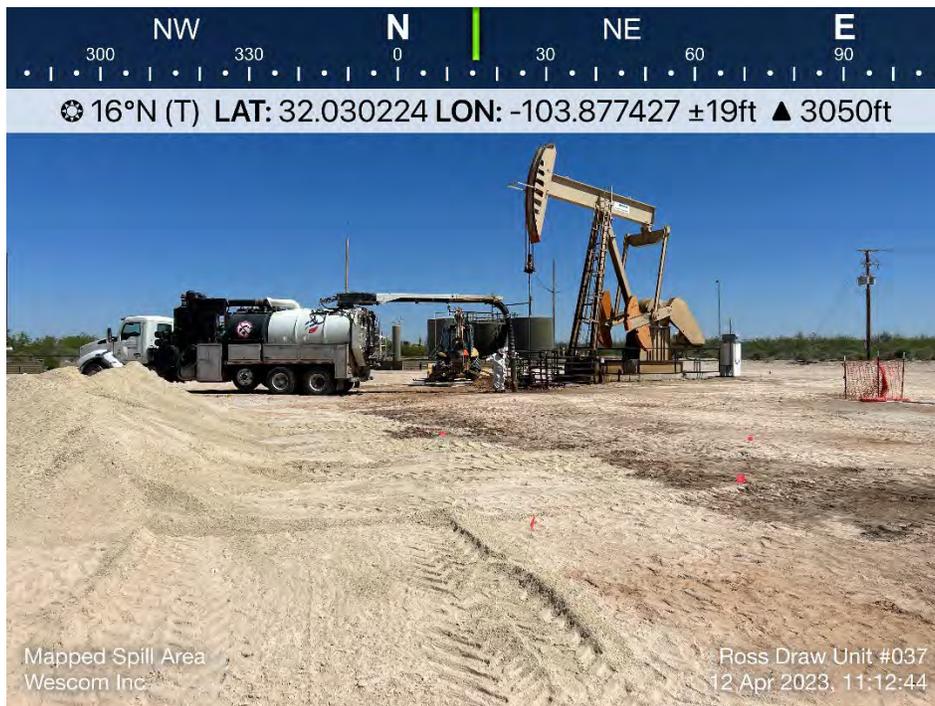


Delineation Sampling



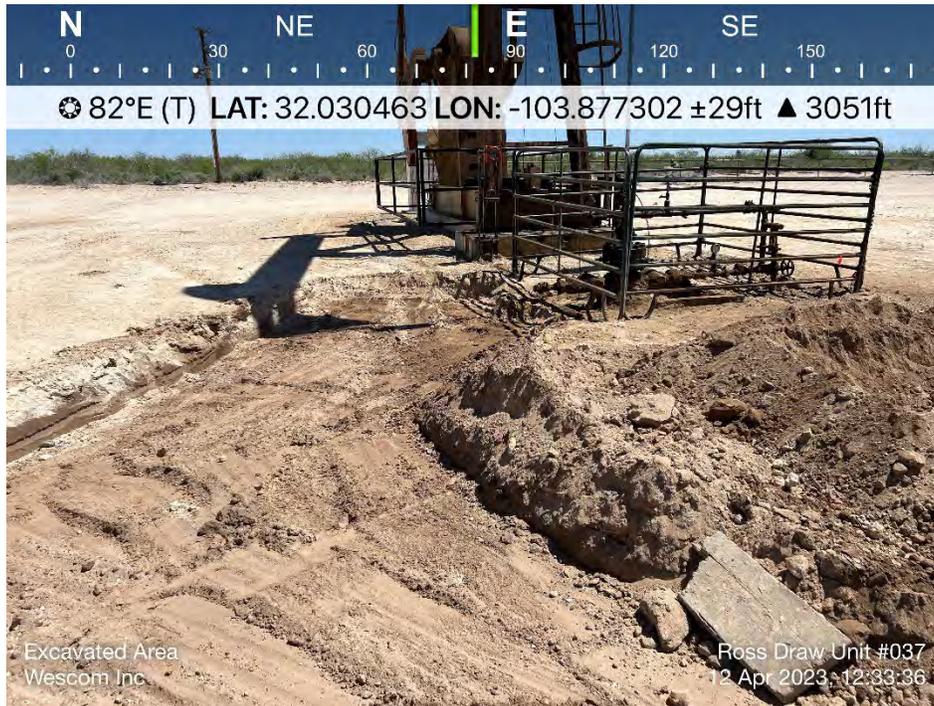


Delineation Sampling

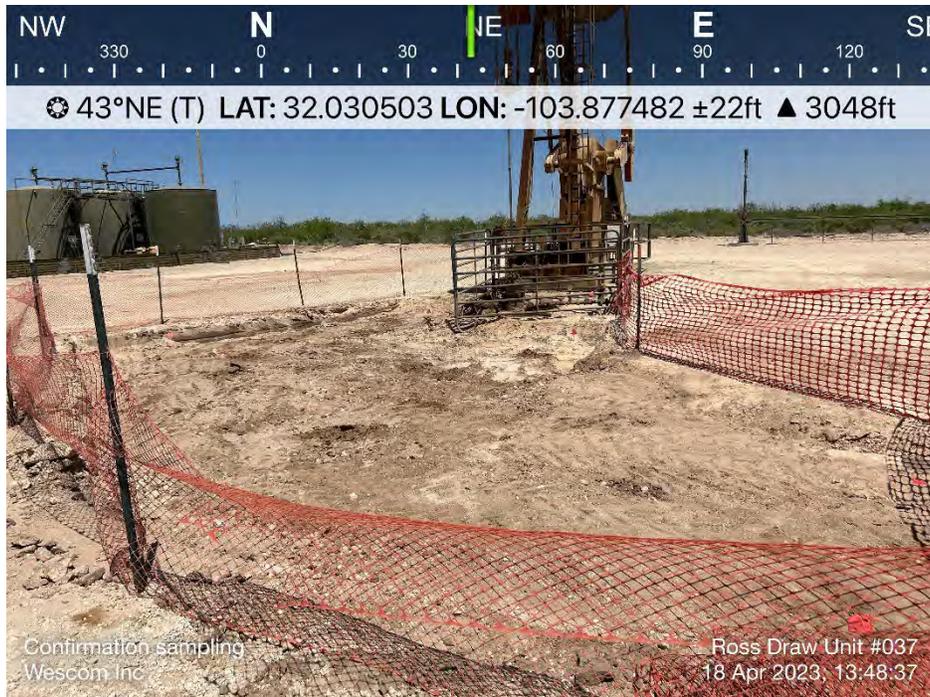


Hydrovac Lines





Excavated Area



Excavated Area - Around Wellhead





Confirmation Sampling



Confirmation Sampling





Confirmation Sampling



ATTACHMENT C

Closure Criteria Supporting Documents



Energizing America

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Ross Draw Unit #037 | Incident ID: nAPP2308628236

Ross Draw Unit #037

Distance to Depth to Water = 0.35 Miles

Legend

-  Distance = 0.35 Miles
-  DTW > 105 ft - Ross Draw Unit #38
-  Ross Draw Unit #037
-  Spill Area

Ross Draw Unit #037

DTW > 105 ft - Ross Draw Unit #38

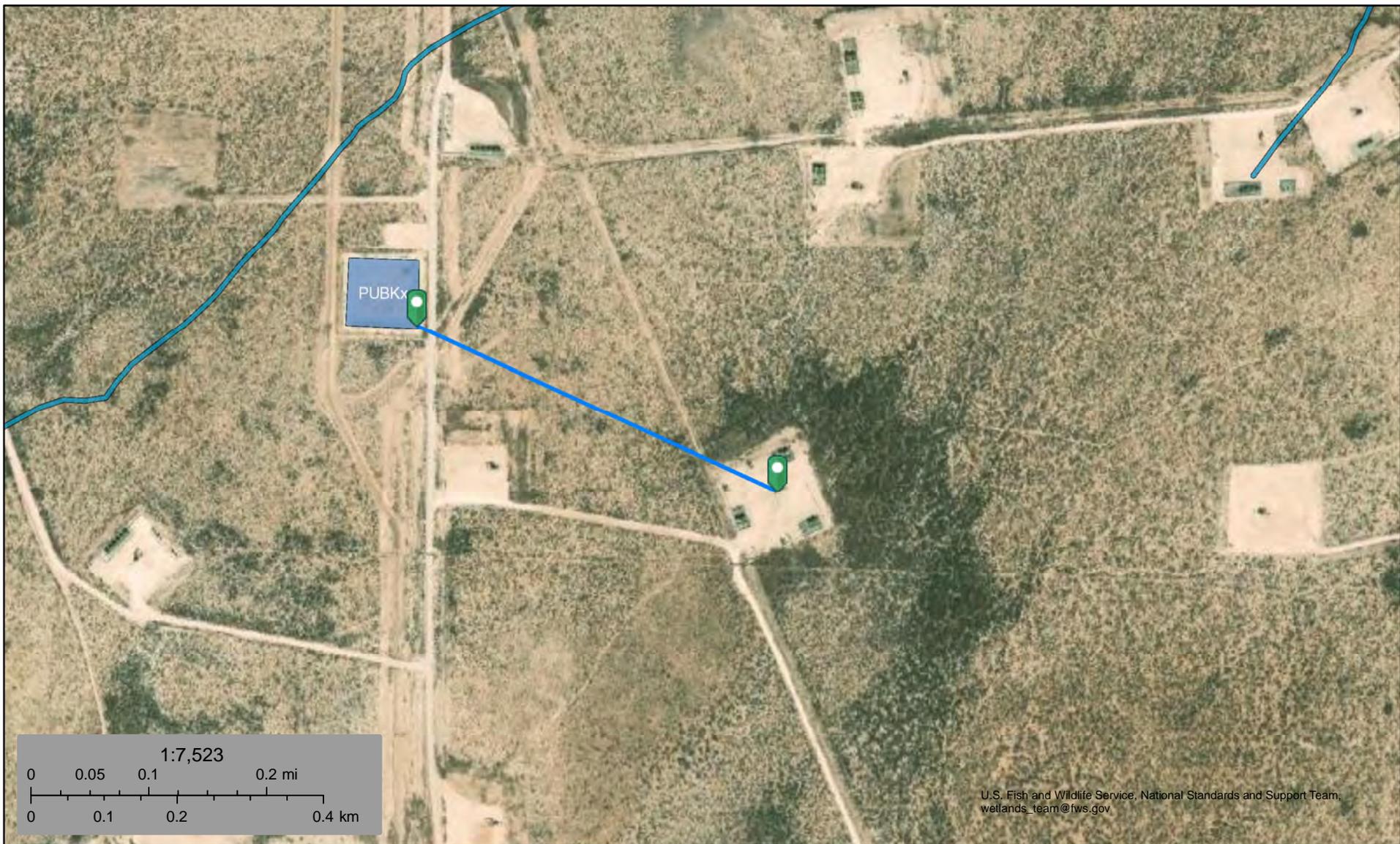


800 ft

							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
Boring/Well Number: MW-1							Location: Ross Draw Unit #38						
Date: 12/8/2020							Client: WPX Energy						
Drilling Method: Air Rotary			Sampling Method: None				Logged By: J. Linn, PG			Drilled By: Talon LPE			
Gravel Pack Type: 10/20 Sand			Gravel Pack Depth Interval: 3 Bags				Seal Type: None		Seal Depth Interval: None		Latitude: 32.030300		
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-100 feet bgs			Boring Total Depth (ft. BGS): 105			Longitude: -103.871338			
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105			Depth to Water (ft. BTOC): > 105		DTW Date: 12/16/2020
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L	D	N	N	NM	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand				
5													
10													
15													
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand				
25													
30													
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand				
40													
45													
50													
55													
60													
65	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand				
70													
75													
80													
85													
90	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS				
95													
100	NM	L	D	N	N	NM	SP	NS					



Ross Draw Unit #037 - Freshwater Pond 0.29 Miles



April 14, 2023

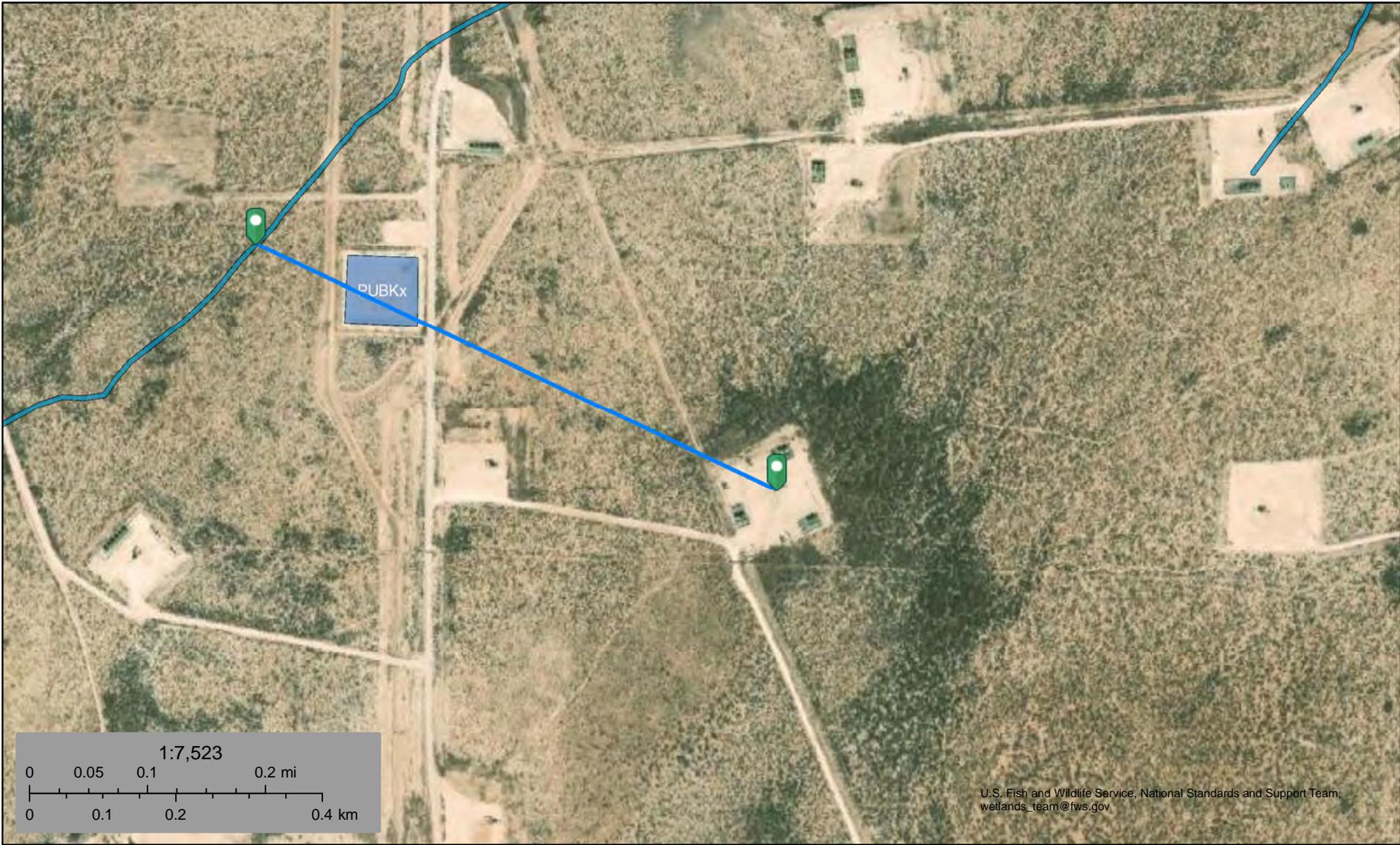
Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Ross Draw Unit #037 - Riverine 0.41 Miles



April 14, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Ross Draw Unit #037 - Wetland 3.22 Miles



April 14, 2023

Wetlands

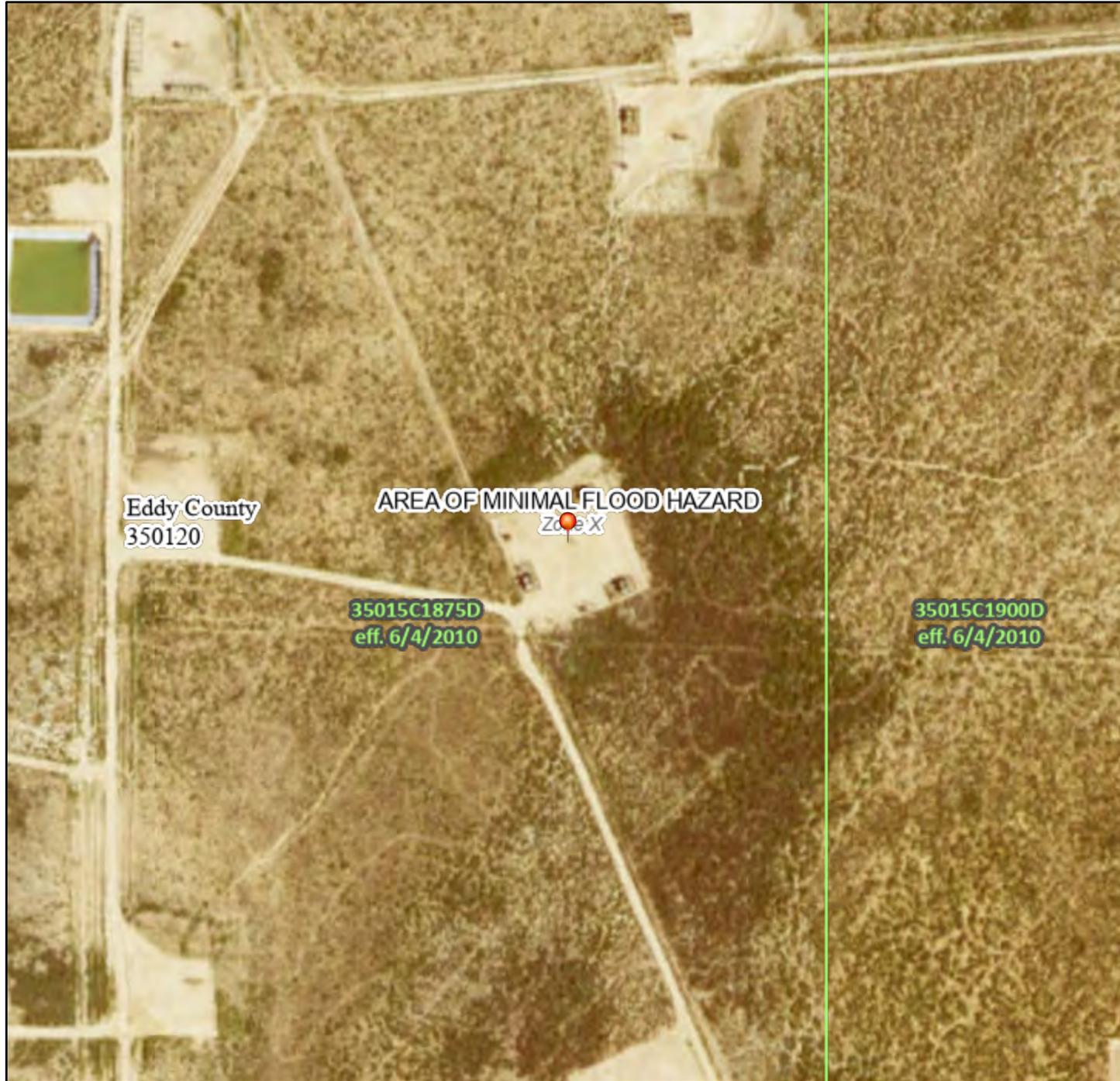
- | | | |
|--|---|---|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland |  Lake |
|  Estuarine and Marine Wetland |  Freshwater Forested/Shrub Wetland |  Other |
|  Freshwater Pond |  Riverine | |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



103°52'57"W 32°2'5"N



Legend

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

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| MAP PANELS | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

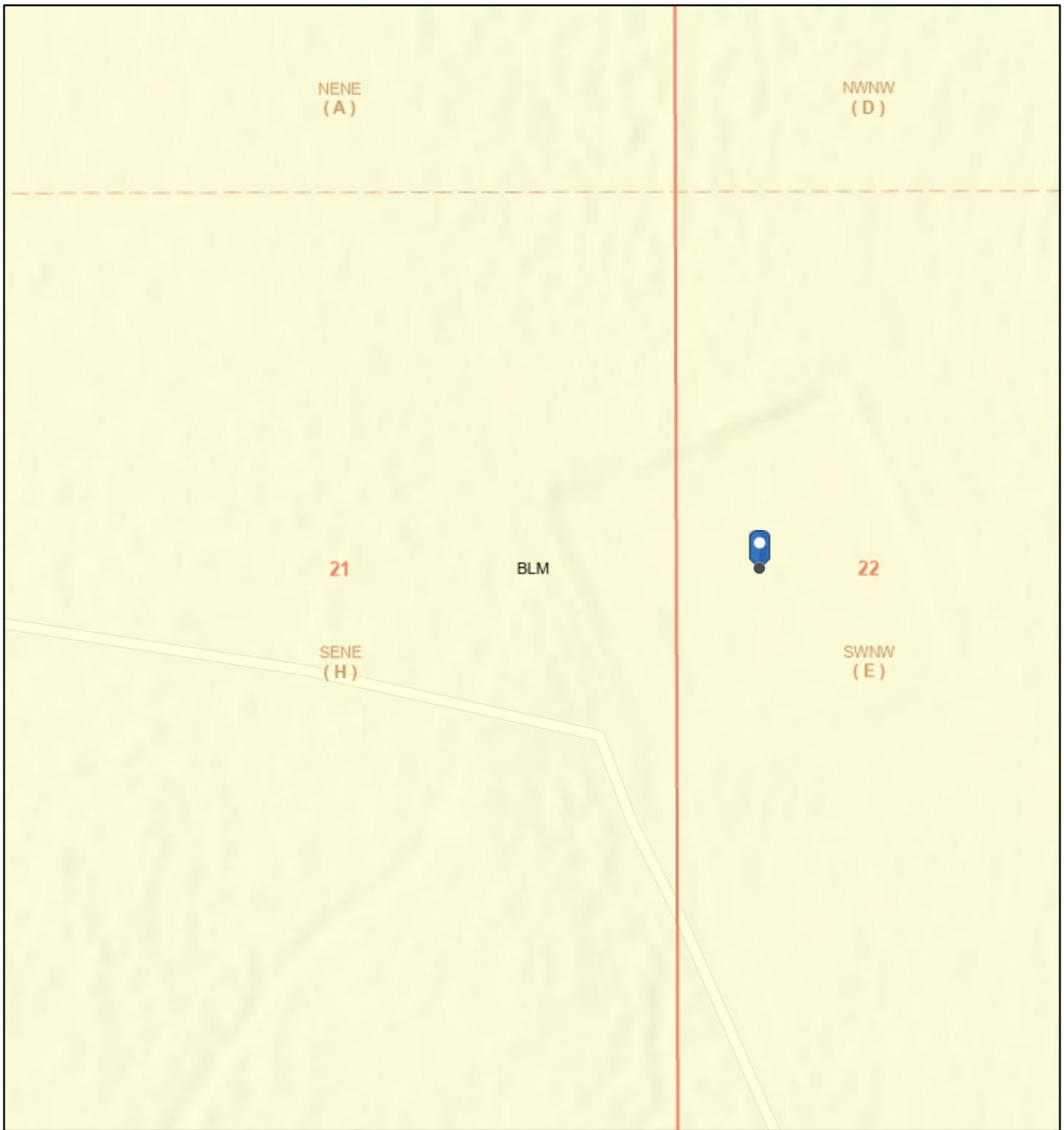


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/14/2023 at 2:52 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

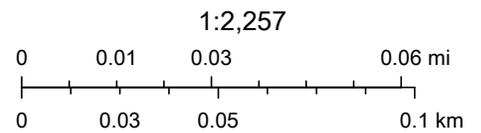
Active Mines Near Ross Draw Unit #037



4/14/2023, 12:49:44 PM

Land Ownership

- BLM
- PLSS Second Division
- PLSS First Division



U.S. BLM, Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson,

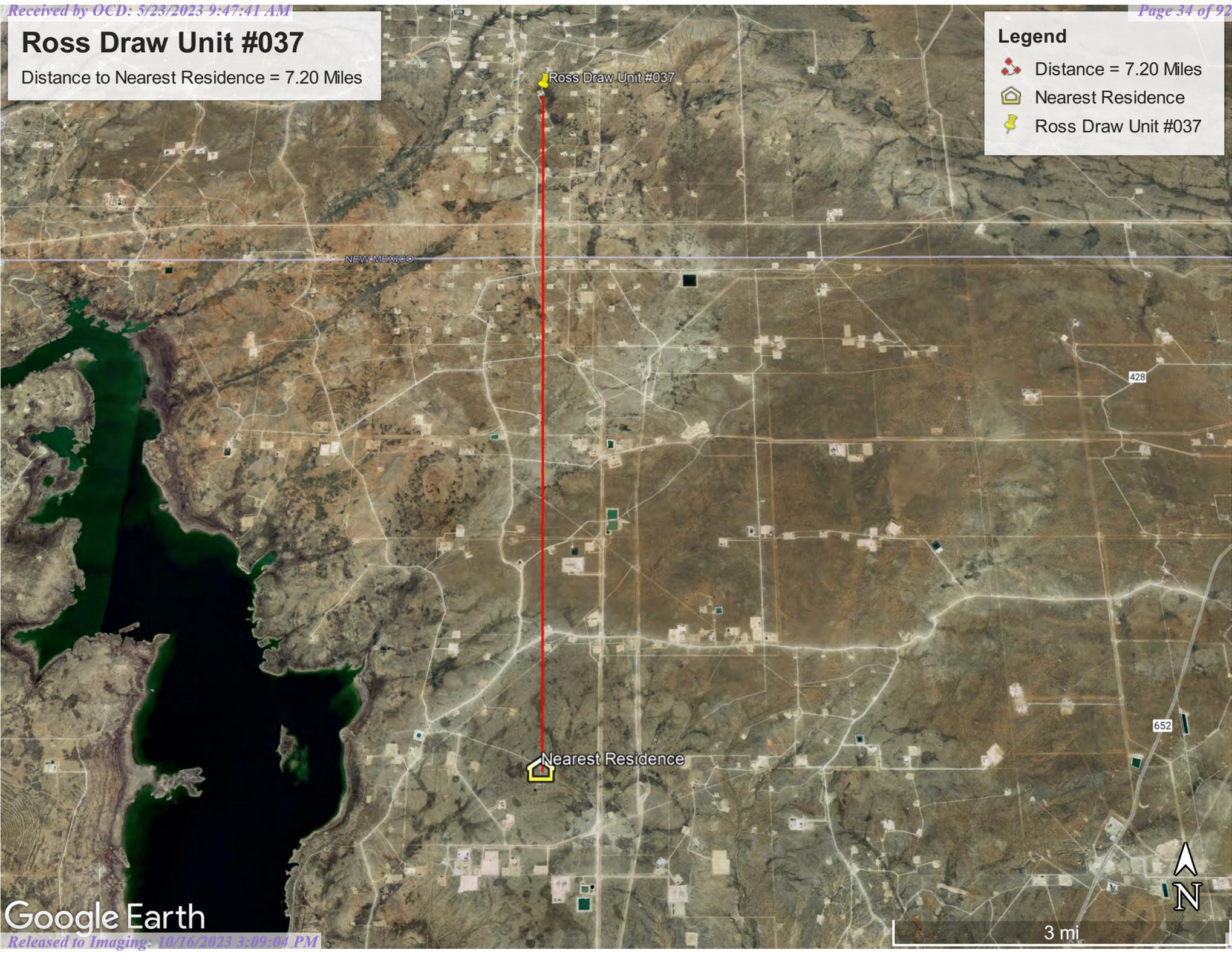
EMNRD MMD GIS Coordinator

Ross Draw Unit #037

Distance to Nearest Residence = 7.20 Miles

Legend

-  Distance = 7.20 Miles
-  Nearest Residence
-  Ross Draw Unit #037



ATTACHMENT D

Karst Map



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

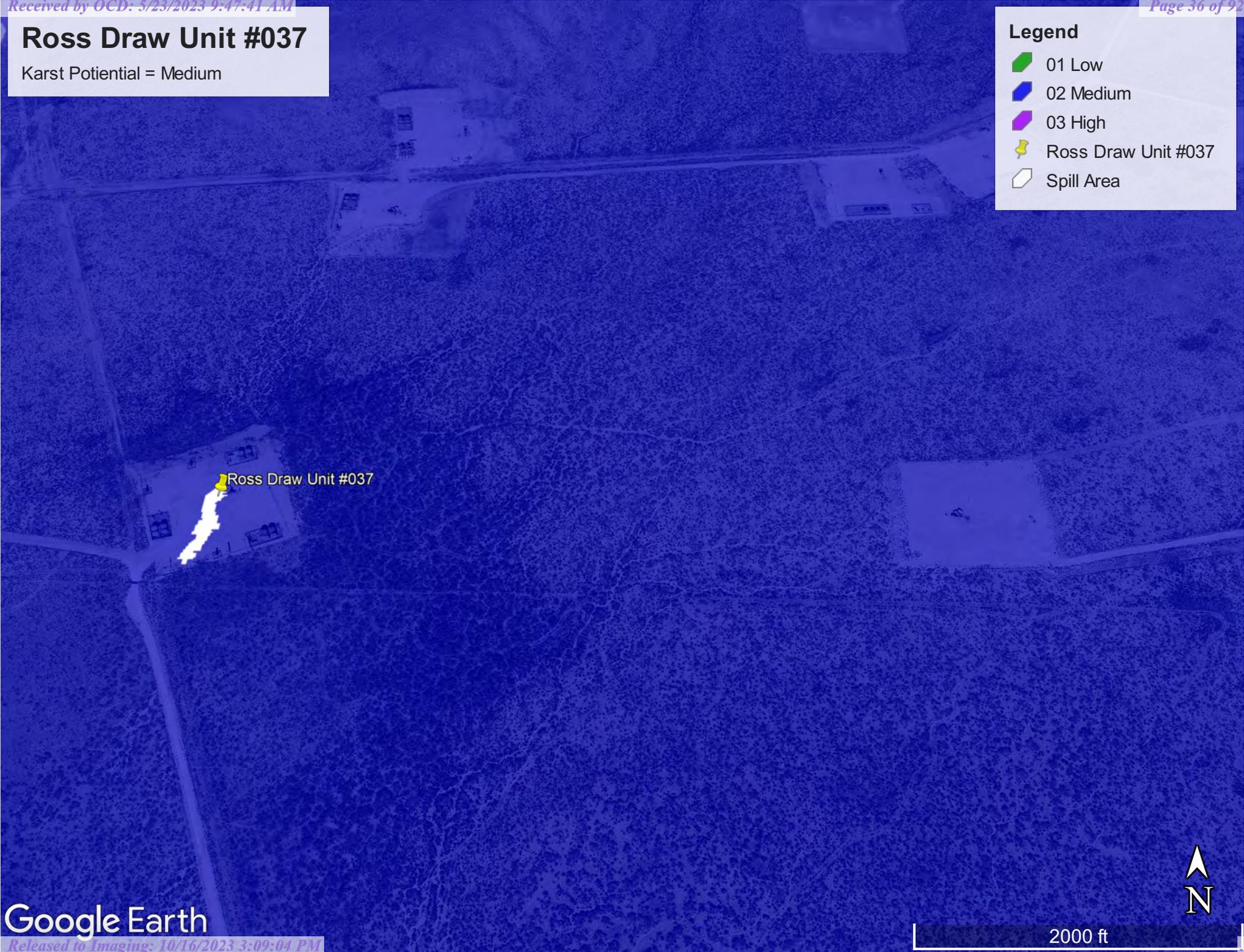
Ross Draw Unit #037 | Incident ID: nAPP2308628236

Ross Draw Unit #037

Karst Potential = Medium

Legend

-  01 Low
-  02 Medium
-  03 High
-  Ross Draw Unit #037
-  Spill Area



Ross Draw Unit #037



ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

Ross Draw Unit #037 | Incident ID: nAPP2308628236

Report to:
Jerrod Inskeep



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #037

Work Order: E304068

Job Number: 01058-0007

Received: 4/13/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/19/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/19/23



Jerrod Inskeep
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #037
Workorder: E304068
Date Received: 4/13/2023 8:20:00AM

Jerrod Inskeep,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/13/2023 8:20:00AM, under the Project Name: Ross Draw Unit #037.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #037 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
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Raina Schwanz
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 04/19/23 14:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG01 - 1'	E304068-01A	Soil	04/11/23	04/13/23	Glass Jar, 2 oz.
SS01D - 0'	E304068-02A	Soil	04/11/23	04/13/23	Glass Jar, 2 oz.
SS02C - 0'	E304068-03A	Soil	04/11/23	04/13/23	Glass Jar, 2 oz.
SS03 - 0'	E304068-04A	Soil	04/11/23	04/13/23	Glass Jar, 2 oz.
SS04B - 0'	E304068-05A	Soil	04/11/23	04/13/23	Glass Jar, 2 oz.
SS05 - 0'	E304068-06A	Soil	04/11/23	04/13/23	Glass Jar, 2 oz.
SS06 - 1'	E304068-07A	Soil	04/11/23	04/13/23	Glass Jar, 2 oz.
SS07 - 4'	E304068-08A	Soil	04/11/23	04/13/23	Glass Jar, 2 oz.
SS07 - 5'	E304068-09A	Soil	04/11/23	04/13/23	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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BG01 - 1'

E304068-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Benzene	ND	0.0250	1	04/13/23	04/14/23	
Ethylbenzene	ND	0.0250	1	04/13/23	04/14/23	
Toluene	ND	0.0250	1	04/13/23	04/14/23	
o-Xylene	ND	0.0250	1	04/13/23	04/14/23	
p,m-Xylene	ND	0.0500	1	04/13/23	04/14/23	
Total Xylenes	ND	0.0250	1	04/13/23	04/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/13/23	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/13/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/23	04/13/23	
<i>Surrogate: n-Nonane</i>		94.4 %	50-200	04/13/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315067
Chloride	ND	20.0	1	04/13/23	04/14/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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SS01D - 0'

E304068-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Benzene	ND	0.0250	1	04/13/23	04/14/23	
Ethylbenzene	ND	0.0250	1	04/13/23	04/14/23	
Toluene	ND	0.0250	1	04/13/23	04/14/23	
o-Xylene	ND	0.0250	1	04/13/23	04/14/23	
p,m-Xylene	ND	0.0500	1	04/13/23	04/14/23	
Total Xylenes	ND	0.0250	1	04/13/23	04/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/13/23	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.7 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2315062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/13/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/23	04/13/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	04/13/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2315067
Chloride	162	20.0	1	04/13/23	04/14/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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SS02C - 0'

E304068-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Benzene	ND	0.0250	1	04/13/23	04/14/23	
Ethylbenzene	ND	0.0250	1	04/13/23	04/14/23	
Toluene	ND	0.0250	1	04/13/23	04/14/23	
o-Xylene	ND	0.0250	1	04/13/23	04/14/23	
p,m-Xylene	ND	0.0500	1	04/13/23	04/14/23	
Total Xylenes	ND	0.0250	1	04/13/23	04/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/13/23	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2315062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/13/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/23	04/13/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	04/13/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2315067
Chloride	145	20.0	1	04/13/23	04/14/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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SS03 - 0'

E304068-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Benzene	ND	0.0250	1	04/13/23	04/14/23	
Ethylbenzene	ND	0.0250	1	04/13/23	04/14/23	
Toluene	ND	0.0250	1	04/13/23	04/14/23	
o-Xylene	ND	0.0250	1	04/13/23	04/14/23	
p,m-Xylene	ND	0.0500	1	04/13/23	04/14/23	
Total Xylenes	ND	0.0250	1	04/13/23	04/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.0 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/13/23	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.2 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2315062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/13/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/23	04/13/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	04/13/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2315067
Chloride	233	20.0	1	04/13/23	04/14/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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SS04B - 0'

E304068-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Benzene	ND	0.0250	1	04/13/23	04/14/23	
Ethylbenzene	ND	0.0250	1	04/13/23	04/14/23	
Toluene	ND	0.0250	1	04/13/23	04/14/23	
o-Xylene	ND	0.0250	1	04/13/23	04/14/23	
p,m-Xylene	ND	0.0500	1	04/13/23	04/14/23	
Total Xylenes	ND	0.0250	1	04/13/23	04/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.9 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/13/23	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	04/13/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2315062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/13/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/23	04/13/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	04/13/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2315067
Chloride	105	20.0	1	04/13/23	04/14/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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SS05 - 0'

E304068-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Benzene	ND	0.0250	1	04/13/23	04/15/23	
Ethylbenzene	ND	0.0250	1	04/13/23	04/15/23	
Toluene	ND	0.0250	1	04/13/23	04/15/23	
o-Xylene	ND	0.0250	1	04/13/23	04/15/23	
p,m-Xylene	ND	0.0500	1	04/13/23	04/15/23	
Total Xylenes	ND	0.0250	1	04/13/23	04/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.7 %	70-130	04/13/23	04/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/13/23	04/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.7 %	70-130	04/13/23	04/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2315062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/13/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/23	04/13/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	04/13/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2315067
Chloride	ND	20.0	1	04/13/23	04/14/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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SS06 - 1'

E304068-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Benzene	ND	0.0250	1	04/13/23	04/15/23	
Ethylbenzene	ND	0.0250	1	04/13/23	04/15/23	
Toluene	ND	0.0250	1	04/13/23	04/15/23	
o-Xylene	ND	0.0250	1	04/13/23	04/15/23	
p,m-Xylene	ND	0.0500	1	04/13/23	04/15/23	
Total Xylenes	ND	0.0250	1	04/13/23	04/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.9 %	70-130	04/13/23	04/15/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/13/23	04/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.7 %	70-130	04/13/23	04/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2315062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/13/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	04/13/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315067
Chloride	57.9	20.0	1	04/13/23	04/15/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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SS07 - 4'

E304068-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Benzene	ND	0.0250	1	04/13/23	04/15/23	
Ethylbenzene	ND	0.0250	1	04/13/23	04/15/23	
Toluene	ND	0.0250	1	04/13/23	04/15/23	
o-Xylene	ND	0.0250	1	04/13/23	04/15/23	
p,m-Xylene	ND	0.0500	1	04/13/23	04/15/23	
Total Xylenes	ND	0.0250	1	04/13/23	04/15/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.9 %	70-130	04/13/23	04/15/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2315068
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/13/23	04/15/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	04/13/23	04/15/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2315062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/13/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/13/23	04/13/23	
<i>Surrogate: n-Nonane</i>		97.9 %	50-200	04/13/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2315067
Chloride	227	20.0	1	04/13/23	04/15/23	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315068-BLK1)

Prepared: 04/13/23 Analyzed: 04/18/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

LCS (2315068-BS1)

Prepared: 04/13/23 Analyzed: 04/18/23

Benzene	4.72	0.0250	5.00		94.5	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.5	70-130			
Toluene	4.84	0.0250	5.00		96.7	70-130			
o-Xylene	4.83	0.0250	5.00		96.5	70-130			
p,m-Xylene	9.62	0.0500	10.0		96.2	70-130			
Total Xylenes	14.4	0.0250	15.0		96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike (2315068-MS1)

Source: E304067-01

Prepared: 04/13/23 Analyzed: 04/18/23

Benzene	3.95	0.0250	5.00	ND	79.0	54-133			
Ethylbenzene	3.93	0.0250	5.00	ND	78.6	61-133			
Toluene	4.04	0.0250	5.00	ND	80.8	61-130			
o-Xylene	4.01	0.0250	5.00	ND	80.3	63-131			
p,m-Xylene	8.01	0.0500	10.0	ND	80.1	63-131			
Total Xylenes	12.0	0.0250	15.0	ND	80.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		94.9	70-130			

Matrix Spike Dup (2315068-MSD1)

Source: E304067-01

Prepared: 04/13/23 Analyzed: 04/14/23

Benzene	4.17	0.0250	5.00	ND	83.4	54-133	5.41	20	
Ethylbenzene	4.16	0.0250	5.00	ND	83.2	61-133	5.61	20	
Toluene	4.27	0.0250	5.00	ND	85.3	61-130	5.46	20	
o-Xylene	4.24	0.0250	5.00	ND	84.8	63-131	5.44	20	
p,m-Xylene	8.45	0.0500	10.0	ND	84.5	63-131	5.31	20	
Total Xylenes	12.7	0.0250	15.0	ND	84.6	63-131	5.35	20	
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315068-BLK1)

Prepared: 04/13/23 Analyzed: 04/18/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			

LCS (2315068-BS2)

Prepared: 04/13/23 Analyzed: 04/14/23

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

Matrix Spike (2315068-MS2)

Source: E304067-01

Prepared: 04/13/23 Analyzed: 04/14/23

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	98.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

Matrix Spike Dup (2315068-MSD2)

Source: E304067-01

Prepared: 04/13/23 Analyzed: 04/14/23

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.5	70-130	0.591	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315062-BLK1)

Prepared: 04/12/23 Analyzed: 04/13/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	53.2		50.0		106	50-200			

LCS (2315062-BS1)

Prepared: 04/12/23 Analyzed: 04/13/23

Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: <i>n-Nonane</i>	53.5		50.0		107	50-200			

Matrix Spike (2315062-MS1)

Source: E304057-09

Prepared: 04/12/23 Analyzed: 04/13/23

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: <i>n-Nonane</i>	49.4		50.0		98.7	50-200			

Matrix Spike Dup (2315062-MSD1)

Source: E304057-09

Prepared: 04/12/23 Analyzed: 04/13/23

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	5.37	20	
Surrogate: <i>n-Nonane</i>	52.2		50.0		104	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/19/2023 2:49:12PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315067-BLK1)

Prepared: 04/13/23 Analyzed: 04/14/23

Chloride ND 20.0

LCS (2315067-BS1)

Prepared: 04/13/23 Analyzed: 04/14/23

Chloride 251 20.0 250 100 90-110

Matrix Spike (2315067-MS1)

Source: E304066-01

Prepared: 04/13/23 Analyzed: 04/14/23

Chloride 579 20.0 250 454 49.9 80-120 M2

Matrix Spike Dup (2315067-MSD1)

Source: E304066-01

Prepared: 04/13/23 Analyzed: 04/14/23

Chloride 542 20.0 250 454 35.3 80-120 6.54 20 M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #037	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Jerrod Inskeep	04/19/23 14:49

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Envirotech Analytical Laboratory

Printed: 4/13/2023 10:43:43AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Devon Energy - Carlsbad	Date Received: 04/13/23 08:20	Work Order ID: E304068
Phone: (575) 748-0176	Date Logged In: 04/12/23 16:51	Logged In By: Caitlin Christian
Email: jerrod.inskeep@wescom.com	Due Date: 04/19/23 17:00 (4 day TAT)	

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Remarks on COC: Dont run unless SS07-4 is >600 CL or 100 TPH.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Jerrod Inskeep



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #037

Work Order: E304100

Job Number: 01058-0007

Received: 4/20/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/26/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/26/23



Jerrod Inskeep
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #037
Workorder: E304100
Date Received: 4/20/2023 7:01:00AM

Jerrod Inskeep,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/20/2023 7:01:00AM, under the Project Name: Ross Draw Unit #037.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #037 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Ross Draw Unit #037
Project Number: 01058-0007
Project Manager: Jerrod Inskeep

Reported:
04/26/23 08:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01 - .5'	E304100-01A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF02 - .5'	E304100-02A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF03 - .5'	E304100-03A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF04 - .5'	E304100-04A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF05 - .5'	E304100-05A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF06 - .5'	E304100-06A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF07 - .5'	E304100-07A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF08 - .5'	E304100-08A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF09 - .5'	E304100-09A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF10 - .5'	E304100-10A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF11 - .5'	E304100-11A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF12 - .5'	E304100-12A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF13 - .5'	E304100-13A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF14 - 1'	E304100-14A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF15 - 1'	E304100-15A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF16 - 1'	E304100-16A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF17 Wall - .5'	E304100-17A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.
CONF18 Wall - .5'	E304100-18A	Soil	04/18/23	04/20/23	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF01 - .5'

E304100-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/20/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/20/23	
Toluene	ND	0.0250	1	04/20/23	04/20/23	
o-Xylene	ND	0.0250	1	04/20/23	04/20/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/20/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/20/23	
<i>Surrogate: Bromofluorobenzene</i>	99.5 %	70-130		04/20/23	04/20/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130		04/20/23	04/20/23	
<i>Surrogate: Toluene-d8</i>	101 %	70-130		04/20/23	04/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/20/23	
<i>Surrogate: Bromofluorobenzene</i>	99.5 %	70-130		04/20/23	04/20/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130		04/20/23	04/20/23	
<i>Surrogate: Toluene-d8</i>	101 %	70-130		04/20/23	04/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>	96.6 %	50-200		04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	521	20.0	1	04/20/23	04/20/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF02 - .5'

E304100-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/20/23	
Ethylbenzene	0.0275	0.0250	1	04/20/23	04/20/23	
Toluene	ND	0.0250	1	04/20/23	04/20/23	
o-Xylene	ND	0.0250	1	04/20/23	04/20/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/20/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/20/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	04/20/23	04/20/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	04/20/23	04/20/23	
<i>Surrogate: Toluene-d8</i>		99.5 %	70-130	04/20/23	04/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/20/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	04/20/23	04/20/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	04/20/23	04/20/23	
<i>Surrogate: Toluene-d8</i>		99.5 %	70-130	04/20/23	04/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	370	20.0	1	04/20/23	04/20/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF03 - .5'

E304100-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/20/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/20/23	
Toluene	ND	0.0250	1	04/20/23	04/20/23	
o-Xylene	ND	0.0250	1	04/20/23	04/20/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/20/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/20/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	04/20/23	04/20/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	04/20/23	04/20/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/20/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/20/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	04/20/23	04/20/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	04/20/23	04/20/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		97.2 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	1250	20.0	1	04/20/23	04/20/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF04 - .5'

E304100-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/20/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/20/23	
Toluene	ND	0.0250	1	04/20/23	04/20/23	
o-Xylene	ND	0.0250	1	04/20/23	04/20/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/20/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/20/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	04/20/23	04/20/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.9 %	70-130	04/20/23	04/20/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/20/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	04/20/23	04/20/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.9 %	70-130	04/20/23	04/20/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	4840	40.0	2	04/20/23	04/20/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF05 - .5'

E304100-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		98.9 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	753	20.0	1	04/20/23	04/20/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF06 - .5'

E304100-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	3200	40.0	2	04/20/23	04/20/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF07 - .5'
E304100-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	3210	40.0	2	04/20/23	04/20/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF08 - .5'

E304100-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	324	20.0	1	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF09 - .5'

E304100-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	2530	20.0	1	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF10 - .5'

E304100-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	3900	20.0	1	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF11 - .5'
E304100-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	1220	20.0	1	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF12 - .5'

E304100-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	2470	20.0	1	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF13 - .5'

E304100-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	1310	20.0	1	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF14 - 1'

E304100-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		98.1 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	6570	100	5	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF15 - 1'

E304100-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	65.0	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	92.9	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		88.0 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	6010	100	5	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF16 - 1'

E304100-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	3700	40.0	2	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF17 Wall - .5'

E304100-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	90.7	20.0	1	04/20/23	04/21/23	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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CONF18 Wall - .5'

E304100-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Benzene	ND	0.0250	1	04/20/23	04/21/23	
Ethylbenzene	ND	0.0250	1	04/20/23	04/21/23	
Toluene	ND	0.0250	1	04/20/23	04/21/23	
o-Xylene	ND	0.0250	1	04/20/23	04/21/23	
p,m-Xylene	ND	0.0500	1	04/20/23	04/21/23	
Total Xylenes	ND	0.0250	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2316036
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/23	04/21/23	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	04/20/23	04/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	04/20/23	04/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	04/20/23	04/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316044
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/23	04/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/23	04/21/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	04/20/23	04/21/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2316048
Chloride	191	20.0	1	04/20/23	04/21/23	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #037	Reported: 4/26/2023 8:40:39AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Jerrold Inskeep	

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg					

Blank (2316036-BLK1)

Prepared: 04/20/23 Analyzed: 04/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.502		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102		70-130		
Surrogate: Toluene-d8	0.504		0.500		101		70-130		

LCS (2316036-BS1)

Prepared: 04/20/23 Analyzed: 04/20/23

Benzene	2.40	0.0250	2.50		95.8		70-130		
Ethylbenzene	2.27	0.0250	2.50		90.6		70-130		
Toluene	2.29	0.0250	2.50		91.5		70-130		
o-Xylene	2.29	0.0250	2.50		91.7		70-130		
p,m-Xylene	4.51	0.0500	5.00		90.2		70-130		
Total Xylenes	6.80	0.0250	7.50		90.7		70-130		
Surrogate: Bromofluorobenzene	0.488		0.500		97.6		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104		70-130		
Surrogate: Toluene-d8	0.505		0.500		101		70-130		

Matrix Spike (2316036-MS1)

Source: E304100-01

Prepared: 04/20/23 Analyzed: 04/20/23

Benzene	2.34	0.0250	2.50	ND	93.6		48-131		
Ethylbenzene	2.23	0.0250	2.50	ND	89.3		45-135		
Toluene	2.24	0.0250	2.50	ND	89.7		48-130		
o-Xylene	2.27	0.0250	2.50	ND	90.8		43-135		
p,m-Xylene	4.44	0.0500	5.00	ND	88.8		43-135		
Total Xylenes	6.71	0.0250	7.50	ND	89.5		43-135		
Surrogate: Bromofluorobenzene	0.502		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101		70-130		
Surrogate: Toluene-d8	0.505		0.500		101		70-130		

Matrix Spike Dup (2316036-MSD1)

Source: E304100-01

Prepared: 04/20/23 Analyzed: 04/20/23

Benzene	2.43	0.0250	2.50	ND	97.1		48-131	3.59	23
Ethylbenzene	2.34	0.0250	2.50	ND	93.5		45-135	4.66	27
Toluene	2.34	0.0250	2.50	ND	93.8		48-130	4.43	24
o-Xylene	2.38	0.0250	2.50	ND	95.4		43-135	4.90	27
p,m-Xylene	4.67	0.0500	5.00	ND	93.3		43-135	4.92	27
Total Xylenes	7.05	0.0250	7.50	ND	94.0		43-135	4.91	27
Surrogate: Bromofluorobenzene	0.492		0.500		98.3		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100		70-130		
Surrogate: Toluene-d8	0.502		0.500		100		70-130		



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2316036-BLK1)

Prepared: 04/20/23 Analyzed: 04/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2316036-BS2)

Prepared: 04/20/23 Analyzed: 04/20/23

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		84.9	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

Matrix Spike (2316036-MS2)

Source: E304100-01

Prepared: 04/20/23 Analyzed: 04/20/23

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.1	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike Dup (2316036-MSD2)

Source: E304100-01

Prepared: 04/20/23 Analyzed: 04/20/23

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130	0.562	20	
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
---	--	---

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2316044-BLK1)

Prepared: 04/20/23 Analyzed: 04/21/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	50.5		50.0		101	50-200			

LCS (2316044-BS1)

Prepared: 04/20/23 Analyzed: 04/21/23

Diesel Range Organics (C10-C28)	253	25.0	250		101	38-132			
Surrogate: <i>n</i> -Nonane	50.1		50.0		100	50-200			

Matrix Spike (2316044-MS1)

Source: E304100-15

Prepared: 04/20/23 Analyzed: 04/21/23

Diesel Range Organics (C10-C28)	282	25.0	250	65.0	87.0	38-132			
Surrogate: <i>n</i> -Nonane	44.6		50.0		89.1	50-200			

Matrix Spike Dup (2316044-MSD1)

Source: E304100-15

Prepared: 04/20/23 Analyzed: 04/21/23

Diesel Range Organics (C10-C28)	275	25.0	250	65.0	83.8	38-132	2.86	20	
Surrogate: <i>n</i> -Nonane	45.9		50.0		91.9	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #037 Project Number: 01058-0007 Project Manager: Jerrod Inskeep	Reported: 4/26/2023 8:40:39AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2316048-BLK1)

Prepared: 04/20/23 Analyzed: 04/20/23

Chloride ND 20.0

LCS (2316048-BS1)

Prepared: 04/20/23 Analyzed: 04/20/23

Chloride 258 20.0 250 103 90-110

Matrix Spike (2316048-MS1)

Source: E304100-01

Prepared: 04/20/23 Analyzed: 04/20/23

Chloride 1010 20.0 250 521 197 80-120 M2

Matrix Spike Dup (2316048-MSD1)

Source: E304100-01

Prepared: 04/20/23 Analyzed: 04/20/23

Chloride 958 20.0 250 521 175 80-120 5.65 20 M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #037	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Jerrod Inskeep	04/26/23 08:40

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Released to Imaging: 10/16/2023 3:09:04 PM

Received by OCD: 5/23/2023 9:47:41 AM

Client: Devon Project: Ross Draw Unit #037 Project Manager: Jerrod Inskip Address: 1224 Standpipe Rd City, State, Zip: Carlsbad, NM 88220 Phone: 505-382-1211 Email: jerrod.inskeep@wescominc.com Report due by:	Bill To Attention: Jim Raley Address: 5315 Buena Vista Dr City, State, Zip: Calsbad, NM 88220 Phone: 575-689-7597 Email: jim.raley@dvn.com	Lab Use Only Lab WO# E304100 Job Number 0058-0007	TAT 1D 2D 3D x	EPA Program CWA SDWA RCRA State NM CO UT AZ TX x
---	--	--	-----------------------------	---

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	BGDOC XL	Remarks
10:13	4/18/23	Soil	1 Jar	CONF01 - .5'	1								X		
10:20	4/18/23	Soil	1 Jar	CONF02 - .5'	2								X		
10:23	4/18/23	Soil	1 Jar	CONF03 - .5'	3								X		
10:26	4/18/23	Soil	1 Jar	CONF04 - .5'	4								X		
10:28	4/18/23	Soil	1 Jar	CONF05 - .5'	5								X		
10:49	4/18/23	Soil	1 Jar	CONF06 - .5'	6								X		
11:20	4/18/23	Soil	1 Jar	CONF07 - .5'	7								X		
10:57	4/18/23	Soil	1 Jar	CONF08 - .5'	8								X		
11:01	4/18/23	Soil	1 Jar	CONF09 - .5'	9								X		
11:04	4/18/23	Soil	1 Jar	CONF10 - .5'	10								X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, jerrod.inskeep@wescominc.com, jason.johnsen@wescominc.com, justin.wenner@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <i>[Signature]</i> Date 4-14-23 Time 1047 Received by: (Signature) <i>Michelle Guy</i> Date 4-19-23 Time 1047 Relinquished by: (Signature) <i>Michelle Gonzalez</i> Date 4-19-23 Time 1730 Received by: (Signature) <i>Kayla P Hall</i> Date 4-19-23 Time 1740 Relinquished by: (Signature) <i>Kayla P Hall</i> Date 4-20-23 Time 0005 Received by: (Signature) <i>J. Inskip</i> Date 4-20-23 Time 07:01					
Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N			T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Released to Imaging: 10/16/2023 3:09:04 PM

Received by OCD: 5/23/2023 9:47:41 AM

Client: <u>Devon</u>	Bill To	Lab Use Only	TAT	EPA Program
Project: <u>Ross Draw Unit #037</u>	Attention: <u>Jim Raley</u>	Lab WO# <u>E304100</u>	1D	CWA
Project Manager: <u>Jerrod Inskip</u>	Address: <u>5315 Buena Vista Dr</u>	Job Number <u>4058-0007</u>	2D	SDWA
Address: <u>1224 Standpipe Rd</u>	City, State, Zip: <u>Calsbad, NM 88220</u>		3D	
City, State, Zip: <u>Carlsbad, NM 88220</u>	Phone: <u>575-689-7597</u>	Standard <u>x</u>		
Phone: <u>505-382-1211</u>	Email: <u>jim.raley@dvn.com</u>	RCRA		
Email: <u>jerrod.inskeep@wescominc.com</u>		State		
Report due by:		NM CO UT AZ TX		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	BGDOC TX	Remarks
11:15	4/18/23	Soil	1 Jar	CONF11 - .5'	11								X		
11:17	4/18/23	Soil	1 Jar	CONF12 - .5'	12								X		
11:31	4/18/23	Soil	1 Jar	CONF13 - .5'	13								X		
11:34	4/18/23	Soil	1 Jar	CONF14 - 1'	14								X		
11:49	4/18/23	Soil	1 Jar	CONF15 - 1'	15								X		
11:52	4/18/23	Soil	1 Jar	CONF16 - 1'	16								X		
11:57	4/18/23	Soil	1 Jar	CONF17 Wall - .5'	17								X		
13:30	4/18/23	Soil	1 Jar	CONF18 Wall - .5'	18								X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, jerrod.inskeep@wescominc.com, jason.johnsen@wescominc.com, justin.wenner@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Sampled by:						Lab Use Only	
Relinquished by: (Signature) <i>[Signature]</i>	Date 4-19-23	Time 10:47	Received by: (Signature) <i>[Signature]</i>	Date 4-19-23	Time 1047	Received on ice: <u>Y</u> / N	
Relinquished by: (Signature) <i>[Signature]</i>	Date 4-19-23	Time 1730	Received by: (Signature) <i>[Signature]</i>	Date 4-19-23	Time 1740	T1	T2
Relinquished by: (Signature) <i>[Signature]</i>	Date 4-20-23	Time 0005	Received by: (Signature) <i>[Signature]</i>	Date 4-20-23	Time 0701	AVG Temp °C <u>4</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Envirotech Analytical Laboratory

Printed: 4/20/2023 12:10:25PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Devon Energy - Carlsbad Date Received: 04/20/23 07:01 Work Order ID: E304100
Phone: (575) 748-0176 Date Logged In: 04/20/23 08:28 Logged In By: Caitlin Christian
Email: jerrod.inskeep@wescom.com Due Date: 04/26/23 17:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instructions.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

ATTACHMENT F

48-Hour Confirmation Sampling Notification Emails



From: [Cole Burton](#)
To: [Enviro, OCD, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Cc: [Shar Harvester](#); [Joey Croce](#); [Justin Wenner](#); [Jason Johnsen](#); [Jerrod Inskeep](#)
Subject: RE: [EXTERNAL] 48-Hour Confirmation Sample Notice - Ross Draw Unit #038 (nAPP2308628236)
Date: Monday, April 10, 2023 10:46:00 AM

My apologies this one should be Ross Draw Unit #037 not 38

Cole Burton, Environmental Field Technician
O (218) 724-1322 | C (505) 205-0455
[WescomInc.com](#) | cole.burton@WescomInc.com
"I am in charge of my own safety."

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, April 10, 2023 9:58 AM
To: Cole Burton <cole.burton@wescominc.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Shar Harvester <Shar.Harvester@WescomInc.com>; Joey Croce <Joey.Croce@WescomInc.com>; Justin Wenner <Justin.Wenner@wescominc.com>; Jason Johnsen <Jason.Johnsen@wescominc.com>; Jerrod Inskeep <Jerrod.Inskeep@wescominc.com>
Subject: RE: [EXTERNAL] 48-Hour Confirmation Sample Notice - Ross Draw Unit #038 (nAPP2308628236)

Cole,

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

JH

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



From: Cole Burton <cole.burton@wescominc.com>
Sent: Monday, April 10, 2023 7:56 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Shar Harvester <Shar.Harvester@WescomInc.com>; Joey Croce <Joey.Croce@WescomInc.com>; Justin Wenner <Justin.Wenner@wescominc.com>; Jason Johnsen

<Jason.Johnsen@wescominc.com>; Jerrod Inskeep <Jerrod.Inskeep@wescominc.com>

Subject: [EXTERNAL] 48-Hour Confirmation Sample Notice - Ross Draw Unit #038 (nAPP2308628236)

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

Hello All,

We intend to take confirmation samples at the Ross Draw Unit #037 (nAPP2308628236) on Wednesday (4/12/23).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

Cole Burton, Environmental Field Technician

○ (218) 724-1322 | ● (505) 205-0455

WescomInc.com | cole.burton@WescomInc.com

"I am in charge of my own safety."

From: [Cole Burton](#)
To: [OCD Enviro \(ocd.enviro@emnrd.nm.gov\)](mailto:OCD.Enviro@emnrd.nm.gov)
Cc: [Jerrod Inskeep](#); [Shar Harvester](#); [Joey Croce](#); [Jason Johnsen](#); [Justin Wenner](#)
Subject: 48-Hour Confirmation Sample Notice - Ross Draw Unit #037 (nAPP2308628236)
Date: Thursday, April 13, 2023 9:31:00 AM

Hello All,

We intend to take confirmation samples at the Ross Draw Unit #037 (nAPP2308628236) on Tuesday (4/18/23).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

Cole Burton, Environmental Field Technician
O (218) 724-1322 | C (505) 205-0455
WescomInc.com | cole.burton@WescomInc.com
"I am in charge of my own safety."

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 219709

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 219709
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2308628236 RDU 37, thank you. This closure is approved. Please be aware that any contaminants left on pad above reclamation standards will need to be addressed at the time the site/facility is plugged and abandoned.	10/16/2023