

Incident ID	nAPP2231850149
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Jim Raley



Title: Environmental Specialist

Signature: _____

Date: 1/31/2023

email: jim.raley@dvn.com

Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon Date: 01/31/2023

- Approved
 Approved with Attached Conditions of Approval
 Denied
 Deferral Approved

Signature: Robert Hamlet

Date: 5/30/2023



DEFERRAL REQUEST

DEVON ENERGY COMPANY

Created for submission to New Mexico Oil Conservation Division on 01/30/2023

ASHLEY GIOVENGO
Project Environmental Scientist

ENERGIZING AMERICA

January 30, 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: DEFERRAL REQUEST

COMPANY	Devon Energy Company
LOCATION	Ross Draw Unit #075H
API	30-015-38240
PLSS	Unit C Sec 22 T26S R30E
GPS	32.0343971, -103.8702927
INCIDENT ID	nAPP2231242659

BACKGROUND

Wescom, Inc., hereafter referred to as Wescom, has prepared this Deferral Request on behalf of Devon Energy Company, hereafter referred to as Devon, regarding the release at the Ross Draw Unit #075H (Site) located in Unit C, Section 22, Township 26 South and Range 30 East in Eddy County, New Mexico. The GPS coordinates are as follows: North 32.0343971 and West -103.8702927. Surface owner of the Site is Bureau of Land Management (BLM).

On November 6, 2022, a switch on the produced water transfer pump failed. This incident resulted in the release of approximately nine barrels (bbls) of crude oil and 22 bbls of produced water inside the earthen containment. The spill impacted 280 square feet (sq. ft) of the earthen secondary containment and the spill area is located directly around one of the production tanks (see Figure1).

Wescom personnel arrived onsite on November 18, 2022, to begin horizontal and vertical delineation of the spill area inside the earthen containment. Kelly Oilfield services completed a surface scrape of the spill area with hand tools. Wescom personnel returned to the Site on November 30, 2022, December 15, 2022, and again on January 04, 2023, to complete delineation sampling.

Laboratory analysis results, included in Attachment E, indicate that there are impacts that extend below surface in the area surrounding the production tanks. Removal of the remaining impacted soils surrounding



the production tanks could not be achieved without the deconstruction of production equipment or without compromising the safety of personnel completing the excavation. The remaining contaminated soils do not pose imminent risk to human health, safety, or the environment therefore, Devon respectfully requests deferral for the removal of soils surrounding the production tanks and other necessary production equipment until the Site is abandoned and the facilities are removed.

SURFACE & GROUND WATER

Devon contracted HRL Compliance Solutions to drill a temporary monitoring well at the Ross Draw Unit #038 for the purpose of establishing depth to water in the area surrounding this Site. The boring log measurements from the temporary well at the Ross Draw Unit #038 verify that the depth to groundwater is greater than 105 feet below ground surface (bgs) and is 0.29 miles South of the Site. No playas or lakes are located within a one-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 water 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 2500 ppm Total Petroleum Hydrocarbons (TPH) and 1000 ppm combined Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). A chloride concentration at or below 20000 mg/kg (ppm) in the soil is also required.



Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Ross Draw Unit #075H — 32.034397, -103.870293						
Depth to Groundwater		Closure Criteria (unites 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 20000	2500	1000	50	10
Surface Water		If yes, then				
Yes or No						
< 300 feet from continuously flowing watercourse or other significant watercourse?		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

SITE ASSESSMENT AND DELINEATION

On November 18, 2021, Devon contracted Wescom to begin horizontal and vertical delineation sampling of the spill area. Wescom personnel returned to the site on November 30, 2022, and on December 12, 2022, to complete delineation sampling. All delineation samples were below the strictest RRAL's for the Site except SS04 which was resampled on January 04, 2023.

A total of 15 samples were jarred and sent to Envirotech, Inc, for laboratory analysis. 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. A background sample, BG01, was collected 75 feet to the South of the caliche pad, as shown in Figure 1.

REQUEST FOR DEFERRAL

On behalf of Devon, Wescom requests to defer approximately 42 cubic yards of contaminated soil until the Ross Draw Unit #075H is plugged and abandoned and reclamation activities commence based on the logic below.

- A surface scrape of the spill area was completed, and the accessible impacted material was transported to an approved disposal facility.

- The spill area has been horizontally and vertically delineated.
- Vertical delineation has been completed inside the area of requested deferral to the strictest criteria in accordance with 19.15.29.12.B(4) NAC Table 1.
- Due to the location of the remaining contaminated soil, further remediation of the spill area is not practical. This site is currently active and would require shutting in for an extended period in order to remove, backfill and properly stabilize the substrate around the production tanks. Area of requested deferral is shown in Figure 2.

If you have any questions or comments, please do not hesitate to call Ms. Ashley Giovengo at (505) 382-1211.

Sincerely,

Wescom, Inc.

Ashley Giovengo

Project Environmental Scientist

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



REFERENCE MATERIALS

FIGURES

FIGURE 1. Delineation Sampling

FIGURE 2. Area of Requested Deferral

TABLES

TABLE 1. Laboratory Analysis Results: Delineation 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





**FIGURE 1.
DELINEATION SAMPLING**

Ross Draw Unit #075H
 Incident ID: nAPP2231242659
 API: 30-015-38240
 GPS Coordinates:
 32.0343971, -103.8702927
 Eddy County, New Mexico
 Devon Energy

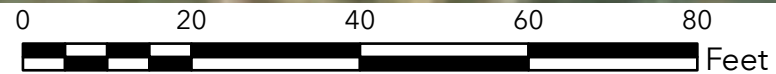
LEGEND

- Delineation Sample Locations
- Spill Area






FIGURE 2. AREA OF REQUESTED DEFERRAL



Ross Draw Unit #075H
Incident ID: nAPP2231242659
API: 30-015-38240
GPS Coordinates: 32.034397, -103.870293
Eddy County, New Mexico
Devon Energy

LEGEND

 Area of Requested Deferral

 Spill Area



TABLES



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Ross Draw Unit #075H | Incident ID: nAPP2231242659

Ross Draw Unit #075H | nAPP2231242659

Devon Energy | 01.25.2023

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)	GRO+DRO (mk/kg)	
Closure Criteria			10	50	100	1000	600
BG01	0	11/18/2022	ND	0.0813	ND	ND	ND
BG01	1	11/18/2022	ND	ND	ND	ND	ND
SS01	2	11/30/2022	1.1	65.9	9737	8057	146
SS01	4	11/30/2022	0.0494	3.01	439.5	362.9	2540
SS01	6	11/30/2022	ND	ND	74.3	74.3	1360
SS01	8	11/30/2022	ND	0.134	266.8	208	164
SS01	10	11/30/2022	ND	ND	30	30	63.6
SS01	12	11/30/2022	ND	0.175	90.5	90.5	51.7
SS02	0	11/30/2022	ND	ND	ND	ND	ND
SS03	0	11/30/2022	ND	ND	ND	ND	ND
SS04	0	12/15/2022	ND	ND	441	ND	ND
SS04A	0	1/4/2023	ND	ND	ND	ND	382
SS05B	0	11/30/2022	ND	ND	ND	ND	ND
SS06	2	12/15/2022	ND	ND	ND	ND	334
SS07	0	12/15/2022	ND	ND	ND	ND	ND

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



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Ross Draw Unit #075H | Incident ID: nAPP2231242659

ATTACHMENT A

C-141



Energizing America

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Ross Draw Unit #075H | Incident ID: nAPP2231242659

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	nAPP2231242659
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Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party WPX Energy Permian, LLC	OGRID 246289
Contact Name Jim Raley	Contact Telephone 575-689-7597
Contact email Jim.Raley@dvn.com	Incident # (assigned by OCD) nAPP2231242659
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.0343971 Longitude -103.8702927
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: ROSS DRAW UNIT #075H	Site Type Oil Well
Date Release Discovered: 11/06/2022	API# (if applicable) 30-015-38240

Unit Letter	Section	Township	Range	County
C	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 checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 9	Volume Recovered (bbls) 6
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 22	Volume Recovered (bbls) 6
	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: Switch on produced water transfer pump failed, allowing produced water tank to overflow to earthen secondary containment.

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

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Adrian Sandoval, Mike Bratcher via email on 11/06/2022.	

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:  Date: <u>11/08/2022</u> email: <u>jim.raley@dvn.com</u> Telephone: <u>575-689-7597</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	nAPP2231850149
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Facility ID	
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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: <i>Each of the following items must be included in the report.</i>
<input checked="" type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
<input checked="" type="checkbox"/> Field data
<input checked="" type="checkbox"/> Data table of soil contaminant concentration data
<input checked="" type="checkbox"/> Depth to water determination
<input checked="" type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
<input checked="" type="checkbox"/> Boring or excavation logs
<input checked="" type="checkbox"/> Photographs including date and GIS information
<input checked="" type="checkbox"/> Topographic/Aerial maps
<input checked="" type="checkbox"/> 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

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Printed Name: Jim Raley

Title: Environmental Specialist

Signature: 

Date: 1/31/2023

email: jim.raley@dvn.com

Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon

Date: 01/31/2023

Incident ID	nAPP2231850149
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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Jim Raley



Title: Environmental Specialist

Signature: _____

Date: 1/31/2023

email: jim.raley@dvn.com

Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon Date: 01/31/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____

Date: _____

ATTACHMENT B

Site Photos



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Ross Draw Unit #075H | Incident ID: nAPP2231242659



Spill Area



Spill Area





Spill Area



Surface Scrape with Hand Tools



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Ross Draw Unit #075H | Incident: nAPP2231242659

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Surface Scrape with Hand Tools



Background Sample



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Ross Draw Unit #075H | Incident: nAPP2231242659

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Delineation Sampling



Delineation Sampling



ATTACHMENT C

Closure Criteria Supporting Documents



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Ross Draw Unit #075H | Incident ID: nAPP2231242659



Site Investigation Report

Date of report: 1/5/2021

Site Names: RDX 16-25 Ross Draw Unit #38
 RDX 17 #3 Ross Draw Unit #55
 RDX Fed Com 17-44H Ross Draw Unit #57
 RDX Fed Com 21-43 N Brushy Fed 35 #010H

County: Eddy County, New Mexico

Project No: 0397

Site Activities

Earth Systems Response and Restoration (ESRR) field activities were conducted December 8th through the 10th in Eddy county, New Mexico. ESRR oversaw the advancement of one soil boring at the eight above-mentioned locations to an approximate depth of 105 feet (ft.) below grade surface utilizing an air-rotary drilling rig operated by a State of New Mexico licensed driller. Additionally, HRL Compliance Solutions (HRL) conducted on-site soil logging activities during the advancement of the soil borings. Please see the detailed lithologic descriptions attached.

Upon completion of the soil borings, a PVC casing fitted with 5 ft. of machine-slotted well screen at the bottom was inserted into each soil boring. The PVC casing was left in place for a minimum of 72 hours prior to being gauged by HRL Consulting on December 12th with a water level meter to determine the presence or absence of groundwater. Subsequent to gauging activities, each soil boring had the PVC casing removed and was then backfilled with its associated native soil cuttings to grade surface.

Conclusions


Groundwater was not detected in any of the eight soil borings as determined by utilizing a water level meter after 72 hours of development. It can be reasonably determined groundwater is deeper than 105 ft. bgs in the vicinity of the advanced soil borings.

Respectfully,

K. Williams

Kris Williams, CHMM, REM
Operations Manager





Attached: Drilling Locations Maps
Soil Boring Logs

							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 #075H

Distance to Nearest Depth to Water = 0.29 Miles

Legend

-  Distance = 0.29 Miles
-  DTW >105ft. Ross Draw Unit #38
-  Point of Release
-  Ross Draw Unit #075H

Ross Draw Unit #075H

DTW >105ft. Ross Draw Unit #38



900 ft











Ross Draw Unit #075H - Riverine 301.8 Ft.



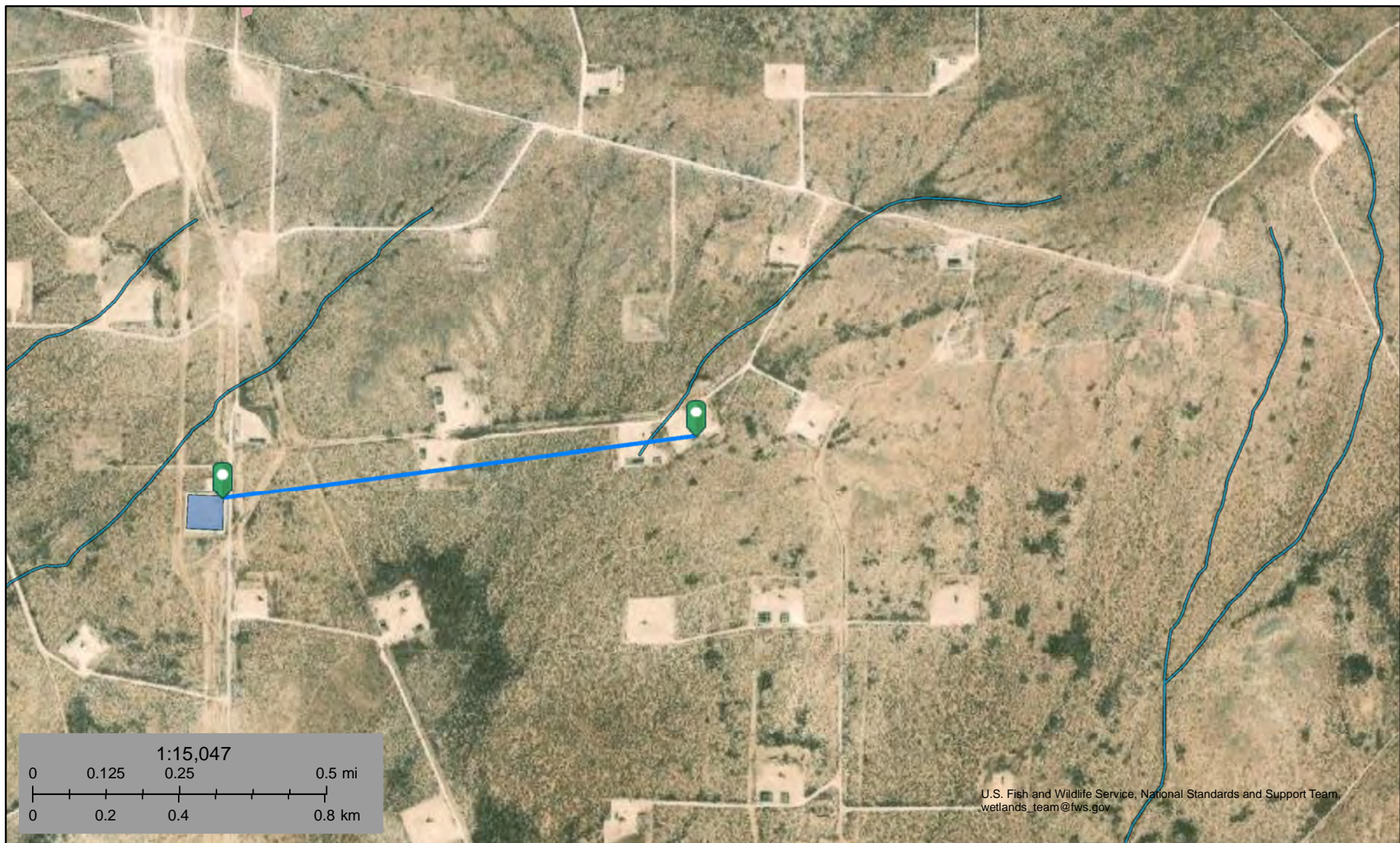
U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov

January 27, 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.



November 7, 2022

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.



U.S. Fish and Wildlife Service
National Wetlands Inventory









Ross Draw Unit #075H - Wetland 2.77 Miles



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov

November 7, 2022

Wetlands




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

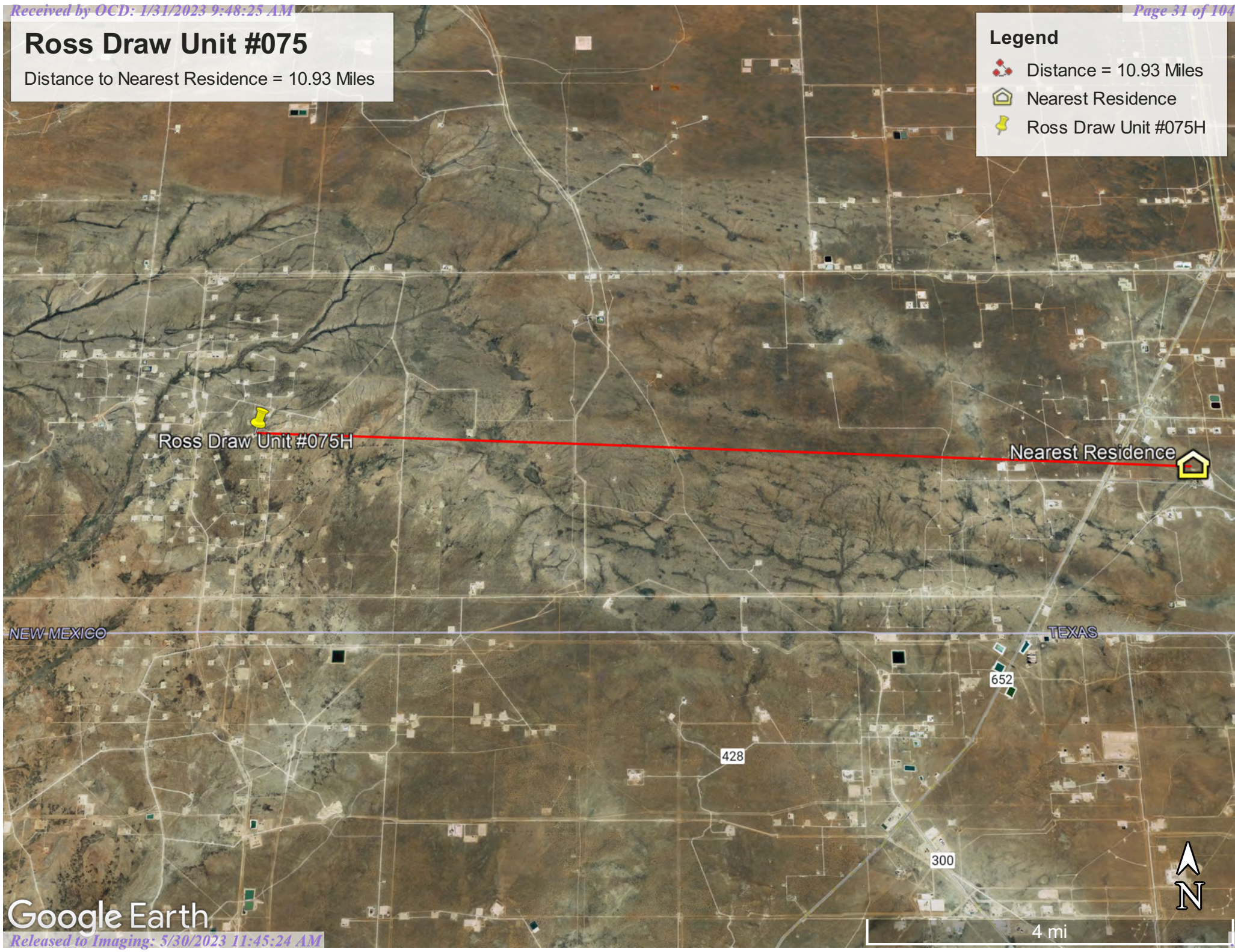
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Ross Draw Unit #075

Distance to Nearest Residence = 10.93 Miles

Legend

-  Distance = 10.93 Miles
-  Nearest Residence
-  Ross Draw Unit #075H



Ross Draw Unit #075H

Nearest Residence

NEW MEXICO

TEXAS

428

652

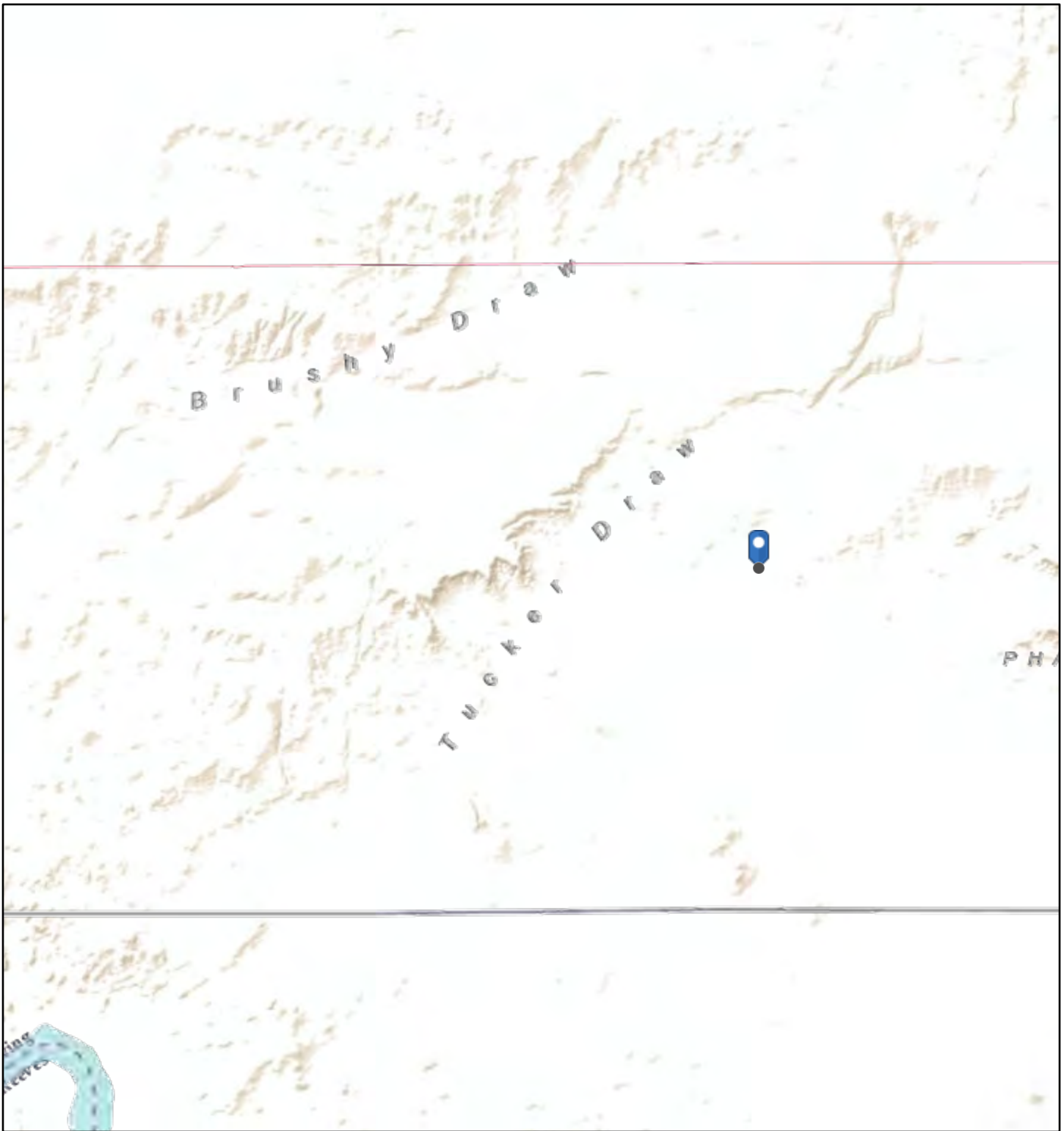
300

Google Earth

4 mi

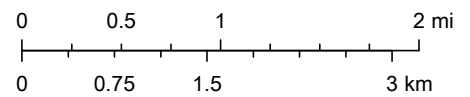


Active Mines Near Ross Draw Unit #075H



11/7/2022, 3:20:46 PM

1:72,224



Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

National Flood Hazard Layer FIRMette



103°52'32"W 32°2'19"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 |
| OTHER FEATURES | | Levee, Dike, or Floodwall |
| | | 20.2 Cross Sections with 1% Annual Chance
17.5 Water Surface Elevation |
| MAP PANELS | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| OTHER FEATURES | | Limit of Study |
| | | Jurisdiction Boundary |
| OTHER FEATURES | | Coastal Transect Baseline |
| | | Profile Baseline |
| OTHER FEATURES | | Hydrographic Feature |
| | | Digital Data Available |
| MAP PANELS | | 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 11/7/2022 at 6:14 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.

ATTACHMENT D

Karst Map



Energizing America






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


Ross Draw Unit #075H | Incident ID: nAPP2231242659

Ross Draw Unit #075H

Karst Potential = Medium

Legend

-  01 Low
-  02 Medium
-  03 High
-  Ross Draw Unit #075H
-  Spill Area

Ross Draw Unit #075H 



ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports



Energizing America

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

Ross Draw Unit #075H | Incident ID: nAPP2231242659

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #075H

Work Order: E211135

Job Number: 01058-0007

Received: 11/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/30/22

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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/30/22



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #075H
Workorder: E211135
Date Received: 11/22/2022 11:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/22/2022 11:30:00AM, under the Project Name: Ross Draw Unit #075H.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H 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
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Office: 505-632-1881
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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 #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/30/22 15:34
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG01 - .0'	E211135-01A	Soil	11/18/22	11/22/22	Glass Jar, 2 oz.
BG01 - 1'	E211135-02A	Soil	11/18/22	11/22/22	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/30/2022 3:34:35PM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------------------

BG01 - .0'

E211135-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2248065
Benzene	ND	0.0250	1	11/23/22	11/24/22	
Ethylbenzene	ND	0.0250	1	11/23/22	11/24/22	
Toluene	0.0485	0.0250	1	11/23/22	11/24/22	
o-Xylene	ND	0.0250	1	11/23/22	11/24/22	
p,m-Xylene	0.0813	0.0500	1	11/23/22	11/24/22	
Total Xylenes	0.0813	0.0250	1	11/23/22	11/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/23/22	11/24/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2248065
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/22	11/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	11/23/22	11/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248055
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/22	11/29/22	
<i>Surrogate: n-Nonane</i>		84.7 %	50-200	11/23/22	11/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248045
Chloride	ND	20.0	1	11/22/22	11/23/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/30/2022 3:34:35PM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------------------

BG01 - 1'

E211135-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2248065
Benzene	ND	0.0250	1	11/23/22	11/24/22	
Ethylbenzene	ND	0.0250	1	11/23/22	11/24/22	
Toluene	ND	0.0250	1	11/23/22	11/24/22	
o-Xylene	ND	0.0250	1	11/23/22	11/24/22	
p,m-Xylene	ND	0.0500	1	11/23/22	11/24/22	
Total Xylenes	ND	0.0250	1	11/23/22	11/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/23/22	11/24/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2248065
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/23/22	11/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	11/23/22	11/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2248055
Diesel Range Organics (C10-C28)	ND	25.0	1	11/23/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/23/22	11/29/22	
<i>Surrogate: n-Nonane</i>		84.0 %	50-200	11/23/22	11/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2248045
Chloride	ND	20.0	1	11/22/22	11/23/22	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/30/2022 3:34:35PM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------------------

Volatile Organics by EPA 8021B

Analyst: RKS

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

Blank (2248065-BLK1)

Prepared: 11/23/22 Analyzed: 11/24/22

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	8.00		8.00		99.9		70-130		

LCS (2248065-BS1)

Prepared: 11/23/22 Analyzed: 11/24/22

Benzene	4.88	0.0250	5.00		97.5		70-130		
Ethylbenzene	4.78	0.0250	5.00		95.6		70-130		
Toluene	4.92	0.0250	5.00		98.5		70-130		
o-Xylene	4.89	0.0250	5.00		97.8		70-130		
p,m-Xylene	9.67	0.0500	10.0		96.7		70-130		
Total Xylenes	14.6	0.0250	15.0		97.1		70-130		
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101		70-130		

Matrix Spike (2248065-MS1)

Source: E211133-03

Prepared: 11/23/22 Analyzed: 11/24/22

Benzene	47.4	0.250	50.0	1.66	91.6		54-133		
Ethylbenzene	51.1	0.250	50.0	6.88	88.5		61-133		
Toluene	69.7	0.250	50.0	27.3	85.0		61-130		
o-Xylene	67.7	0.250	50.0	24.4	86.6		63-131		
p,m-Xylene	146	0.500	100	69.1	76.6		63-131		
Total Xylenes	213	0.250	150	93.6	79.9		63-131		
Surrogate: 4-Bromochlorobenzene-PID	83.7		80.0		105		70-130		

Matrix Spike Dup (2248065-MSD1)

Source: E211133-03

Prepared: 11/23/22 Analyzed: 11/24/22

Benzene	51.7	0.250	50.0	1.66	100		54-133	8.50	20
Ethylbenzene	54.9	0.250	50.0	6.88	96.1		61-133	7.12	20
Toluene	75.3	0.250	50.0	27.3	96.1		61-130	7.67	20
o-Xylene	73.3	0.250	50.0	24.4	97.8		63-131	7.92	20
p,m-Xylene	158	0.500	100	69.1	88.8		63-131	8.03	20
Total Xylenes	231	0.250	150	93.6	91.8		63-131	8.00	20
Surrogate: 4-Bromochlorobenzene-PID	83.5		80.0		104		70-130		



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/30/2022 3:34:35PM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------------------

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2248065-BLK1)

Prepared: 11/23/22 Analyzed: 11/24/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.2	70-130			

LCS (2248065-BS2)

Prepared: 11/23/22 Analyzed: 11/24/22

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			

Matrix Spike (2248065-MS2)

Source: E211133-03

Prepared: 11/23/22 Analyzed: 11/24/22

Gasoline Range Organics (C6-C10)	1290	200	500	878	81.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	81.3		80.0		102	70-130			

Matrix Spike Dup (2248065-MSD2)

Source: E211133-03

Prepared: 11/23/22 Analyzed: 11/24/22

Gasoline Range Organics (C6-C10)	1110	200	500	878	47.1	70-130	14.5	20	M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	80.9		80.0		101	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/30/2022 3:34:35PM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------------------

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 (2248055-BLK1)

Prepared: 11/23/22 Analyzed: 11/29/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.0		50.0		82.1	50-200			

LCS (2248055-BS1)

Prepared: 11/23/22 Analyzed: 11/29/22

Diesel Range Organics (C10-C28)	208	25.0	250		83.3	38-132			
Surrogate: n-Nonane	42.0		50.0		84.1	50-200			

Matrix Spike (2248055-MS1)

Source: E211135-01

Prepared: 11/23/22 Analyzed: 11/29/22

Diesel Range Organics (C10-C28)	196	25.0	250	ND	78.4	38-132			
Surrogate: n-Nonane	43.6		50.0		87.2	50-200			

Matrix Spike Dup (2248055-MSD1)

Source: E211135-01

Prepared: 11/23/22 Analyzed: 11/29/22

Diesel Range Organics (C10-C28)	198	25.0	250	ND	79.1	38-132	0.835	20	
Surrogate: n-Nonane	42.5		50.0		85.1	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/30/2022 3:34:35PM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------------------

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2248045-BLK1)

Prepared: 11/22/22 Analyzed: 11/23/22

Chloride	ND	20.0							
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LCS (2248045-BS1)

Prepared: 11/22/22 Analyzed: 11/23/22

Chloride	240	20.0	250		95.9	90-110			
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Matrix Spike (2248045-MS1)

Source: E211125-21

Prepared: 11/22/22 Analyzed: 11/23/22

Chloride	252	20.0	250	ND	101	80-120			
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Matrix Spike Dup (2248045-MSD1)

Source: E211125-21

Prepared: 11/22/22 Analyzed: 11/23/22

Chloride	251	20.0	250	ND	101	80-120	0.197	20	
----------	-----	------	-----	----	-----	--------	-------	----	--

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 #075H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/30/22 15:34

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: 7/30/2023 11:45:24 AM

Project Information

Chain of Custody

Client: Devon
 Project: Ross Draw Unit #075H
 Project Manager: Ashley Giovengo
 Address: 1224 Standpipe Rd
 City, State, Zip: Carlsbad, NM 88220
 Phone: 505-382-1211
 Email: ashley.giovengo@wescominc.com

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# E211135
 Job Number D10580007

TAT
 1D 2D 3D Standard x

EPA Program
 CWA SDWA RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method										State					Remarks						
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	NM	CO	UT	AZ	TX									
13:05	11/18/22	Soil	1 Jar	BG01 - .0'	1																						
13:09	11/18/22	Soil	1 Jar	BG01 - 1'	2																						

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com, israel.estrella@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. **Sampled by:** _____

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 11/21/22	Time 01:34P	Received by: (Signature) <i>[Signature]</i>	Date 11/21/22	Time 1334
Relinquished by: (Signature) <i>[Signature]</i>	Date 11/21/22	Time 11:34	Received by: (Signature) <i>[Signature]</i>	Date 11/22/22	Time 11:30
Relinquished by: (Signature)	Date	Time 1600	Received by: (Signature)	Date	Time

Lab Use Only
 Received on ice: Y / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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.



Received by OCD: 1/31/2023 9:48:25 AM

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Envirotech Analytical Laboratory

Printed: 11/22/2022 11:54:03AM

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: 11/22/22 11:30 Work Order ID: E211135
Phone: (505) 382-1211 Date Logged In: 11/22/22 11:52 Logged In By: Caitlin Christian
Email: ashley.giovengo@wescominc.com Due Date: 11/30/22 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: UPS

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 instruction.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #075H - 11.6.22
Spill

Work Order: E212027

Job Number: 01058-0007

Received: 12/5/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/15/22

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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 12/15/22

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Workorder: E212027
Date Received: 12/5/2022 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2022 8:15:00AM, under the Project Name: Ross Draw Unit #075H - 11.6.22 Spill.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H - 11.6.22 Spill 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
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe

West Texas Midland/Odessa Area
Tom Brown

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/22 13:33
-------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 2'	E212027-01A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 4'	E212027-02A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 6'	E212027-03A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 8'	E212027-04A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 10'	E212027-05A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 12'	E212027-06A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS02 - 0'	E212027-07A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS03 - 0'	E212027-08A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS05B - 0'	E212027-09A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.

Case Narrative:

Project Name: Ross Draw Unit #075H- 11.6.22 Spill

Workorder: E212027

Date Received: 12-05-2022

The client requested the following sample(s) to be re-extracted and re-analyzed:

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Analysis</u>
SS01-12'	E212027-06A	GRO by 8015
SS01-12'	E212027-06A	DRO-ORO by 8015

The analytical test results summarized in this revised report represent this re-extraction and re-analysis.

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

Respectfully,

Walter Hinchman



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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SS01 - 2'

E212027-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Benzene	1.10	0.0500	2	12/05/22	12/07/22	
Ethylbenzene	7.75	0.0500	2	12/05/22	12/07/22	
Toluene	20.2	0.0500	2	12/05/22	12/07/22	
o-Xylene	19.6	0.0500	2	12/05/22	12/07/22	
p,m-Xylene	46.3	0.100	2	12/05/22	12/07/22	
Total Xylenes	65.9	0.0500	2	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		114 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Gasoline Range Organics (C6-C10)	547	40.0	2	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		117 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2250052	
Diesel Range Organics (C10-C28)	7510	250	10	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	1680	500	10	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		140 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2250049	
Chloride	146	20.0	1	12/07/22	12/07/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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SS01 - 4'

E212027-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	0.0494	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	0.338	0.0250	1	12/05/22	12/06/22	
Toluene	0.133	0.0250	1	12/05/22	12/06/22	
o-Xylene	0.976	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	2.03	0.0500	1	12/05/22	12/06/22	
Total Xylenes	3.01	0.0250	1	12/05/22	12/06/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	71.9	20.0	1	12/05/22	12/06/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	291	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	76.6	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	2540	20.0	1	12/07/22	12/07/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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SS01 - 6'
E212027-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.9 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	74.3	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	1360	20.0	1	12/07/22	12/07/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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SS01 - 8'

E212027-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	0.0360	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	0.0983	0.0500	1	12/05/22	12/07/22	
Total Xylenes	0.134	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.9 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	208	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	58.8	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	164	20.0	1	12/07/22	12/07/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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SS01 - 10'

E212027-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	30.0	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		127 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	63.6	20.0	1	12/07/22	12/07/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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SS01 - 12'

E212027-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	0.0425	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	0.133	0.0500	1	12/05/22	12/07/22	
Total Xylenes	0.175	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2251018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/22	12/13/22	
<i>Surrogate: Bromofluorobenzene</i>						
		97.8 %	70-130	12/13/22	12/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		95.9 %	70-130	12/13/22	12/13/22	
<i>Surrogate: Toluene-d8</i>						
		99.7 %	70-130	12/13/22	12/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2251017
Diesel Range Organics (C10-C28)	90.5	25.0	1	12/13/22	12/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/22	12/13/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	12/13/22	12/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	51.7	20.0	1	12/07/22	12/07/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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SS02 - 0'

E212027-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.0 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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SS03 - 0'

E212027-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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SS05B - 0'

E212027-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.2 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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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 (2250019-BLK1)

Prepared: 12/05/22 Analyzed: 12/06/22

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	8.45		8.00		106	70-130			

LCS (2250019-BS1)

Prepared: 12/05/22 Analyzed: 12/06/22

Benzene	4.92	0.0250	5.00		98.5	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.54		8.00		107	70-130			

Matrix Spike (2250019-MS1)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Benzene	4.65	0.0250	5.00	0.0494	92.0	54-133			
Ethylbenzene	4.91	0.0250	5.00	0.338	91.5	61-133			
Toluene	4.89	0.0250	5.00	0.133	95.2	61-130			
o-Xylene	5.13	0.0250	5.00	0.976	83.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	2.03	80.8	63-131			
Total Xylenes	15.2	0.0250	15.0	3.01	81.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.78		8.00		110	70-130			

Matrix Spike Dup (2250019-MSD1)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Benzene	4.80	0.0250	5.00	0.0494	95.0	54-133	3.18	20	
Ethylbenzene	5.14	0.0250	5.00	0.338	96.1	61-133	4.53	20	
Toluene	5.09	0.0250	5.00	0.133	99.1	61-130	3.93	20	
o-Xylene	5.44	0.0250	5.00	0.976	89.3	63-131	5.82	20	
p,m-Xylene	10.7	0.0500	10.0	2.03	86.9	63-131	5.90	20	
Total Xylenes	16.2	0.0250	15.0	3.01	87.7	63-131	5.87	20	
Surrogate: 4-Bromochlorobenzene-PID	8.80		8.00		110	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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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 (2250019-BLK1)

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

LCS (2250019-BS2)

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike (2250019-MS2)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Gasoline Range Organics (C6-C10)	71.1	20.0	50.0	71.9	NR	70-130			M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2250019-MSD2)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Gasoline Range Organics (C6-C10)	82.6	20.0	50.0	71.9	21.4	70-130	14.9	20	M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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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 (2251018-BLK1)

Prepared: 12/13/22 Analyzed: 12/13/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2251018-BS2)

Prepared: 12/13/22 Analyzed: 12/13/22

Gasoline Range Organics (C6-C10)	56.9	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

LCS Dup (2251018-BSD2)

Prepared: 12/13/22 Analyzed: 12/13/22

Gasoline Range Organics (C6-C10)	56.1	20.0	50.0		112	70-130	1.45	20	
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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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 (2250052-BLK1)

Prepared: 12/07/22 Analyzed: 12/08/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	66.7		50.0		133	50-200			

LCS (2250052-BS1)

Prepared: 12/07/22 Analyzed: 12/08/22

Diesel Range Organics (C10-C28)	225	25.0	250		90.2	38-132			
Surrogate: n-Nonane	61.7		50.0		123	50-200			

Matrix Spike (2250052-MS1)

Source: E212025-02

Prepared: 12/07/22 Analyzed: 12/08/22

Diesel Range Organics (C10-C28)	393	25.0	250	173	88.1	38-132			
Surrogate: n-Nonane	63.7		50.0		127	50-200			

Matrix Spike Dup (2250052-MSD1)

Source: E212025-02

Prepared: 12/07/22 Analyzed: 12/08/22

Diesel Range Organics (C10-C28)	412	25.0	250	173	95.8	38-132	4.79	20	
Surrogate: n-Nonane	63.2		50.0		126	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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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 (2251017-BLK1)

Prepared: 12/13/22 Analyzed: 12/13/22

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 (2251017-BS1)

Prepared: 12/13/22 Analyzed: 12/13/22

Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: <i>n</i> -Nonane	51.5		50.0		103	50-200			

Matrix Spike (2251017-MS1)

Source: E212064-04

Prepared: 12/13/22 Analyzed: 12/13/22

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: <i>n</i> -Nonane	49.3		50.0		98.6	50-200			

Matrix Spike Dup (2251017-MSD1)

Source: E212064-04

Prepared: 12/13/22 Analyzed: 12/13/22

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	2.74	20	
Surrogate: <i>n</i> -Nonane	48.3		50.0		96.6	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/2022 1:33:18PM
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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 (2250049-BLK1)

Prepared: 12/07/22 Analyzed: 12/07/22

Chloride ND 20.0

LCS (2250049-BS1)

Prepared: 12/07/22 Analyzed: 12/07/22

Chloride 255 20.0 250 102 90-110

Matrix Spike (2250049-MS1)

Source: E212025-01

Prepared: 12/07/22 Analyzed: 12/07/22

Chloride 256 20.0 250 ND 102 80-120

Matrix Spike Dup (2250049-MSD1)

Source: E212025-01

Prepared: 12/07/22 Analyzed: 12/07/22

Chloride 254 20.0 250 ND 102 80-120 0.687 20

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 #075H - 11.6.22 Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/15/22 13:33

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: 1/31/2023 11:45:24 AM

Received by OCD: 1/31/2023 9:48:25 AM

Project Information

Chain of Custody

Client: Devon
 Project: Ross Draw Unit #075H - 11.6.22 spill
 Project Manager: Ashley Giovengo
 Address: 1224 Standpipe Rd
 City, State, Zip: Carlsbad, NM 88220
 Phone: 505-382-1211
 Email: ashley.giovengo@wescominc.com

Bill To
 Attention: Jim Raley
 Address: 5315 Buena Vista Dr
 City, State, Zip: Carlsbad, NM 88220
 Phone: 575-689-7597
 Email: jim.raley@dvn.com

Lab Use Only
 Lab WO#: E212027
 Job Number: 0658007

TAT
 1D 2D 3D Standard x
 EPA Program
 CWA SDWA RCRA

Report due by:

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method										State					Remarks						
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	NM	CO	UT	AZ	TX									
10:26	11/30/22	Soil	1 Jar	SS01 - 2'	1																						
9:55	11/30/22	Soil	1 Jar	SS01 - 4'	2																						
11:23	11/30/22	Soil	1 Jar	SS01 - 6'	3																						
11:30	11/30/22	Soil	1 Jar	SS01 - 8'	4																						
12:46	11/30/22	Soil	1 Jar	SS01 - 10'	5																						
14:17	11/30/22	Soil	1 Jar	SS01 - 12'	6																						
10:02	11/30/22	Soil	1 Jar	SS02 - 0'	7																						
11:04	11/30/22	Soil	1 Jar	SS03 - 0'	8																						
12:21	11/30/22	Soil	1 Jar	SS05B - 0'	9																						

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com, israel.estrella@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>Yvonne Herrera</i>	Date 12-02-22	Time 10:12 AM	Received by: (Signature) <i>Michelle R. Guy</i>	Date 12-02-22	Time 10:12
Relinquished by: (Signature) <i>Michelle R. Guy</i>	Date 12-3-22	Time 1800	Received by: (Signature) <i>Cathy Cote</i>	Date 12/5/22	Time 8:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
 Received on ice: N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C: 4

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: 12/5/2022 12:30:34PM

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: 12/05/22 08:15 Work Order ID: E212027
Phone: (505) 382-1211 Date Logged In: 12/05/22 09:22 Logged In By: Caitlin Christian
Email: ashley.giovengo@wescominc.com Due Date: 12/09/22 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.

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? No
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 instruction.

Comments/Resolution

White out present on COC when received.

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

Date



envirotech Inc.

Client: Devon		Bill To		Lab Use Only		TAT			EPA Program					
Project: Ross Draw Unit #075H - 11.6.22 spill		Attention: Jim Raley		Lab WO# E212027		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Ashley Giovengo		Address: 5315 Buena Vista Dr		Job Number 0658-0007					x					
Address: 1224 Standpipe Rd		City, State, Zip: Calsbad, NM 88220		Analysis and Method						RCRA				
City, State, Zip: Carlsbad, NM 88220		Phone: 575-689-7597		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State				
Phone: 505-382-1211		Email: jim.raley@dvn.com								NM	CO	UT	AZ	TX
Email: ashley.giovengo@wescominc.com										x				
Report due by:										Remarks				

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	TPH	BGDOC NM	BGDOC TX	Remarks
10:26	11/30/22	Soil	1 Jar	SS01 - 2'	1								X		
9:55	11/30/22	Soil	1 Jar	SS01 - 4'	2								X		
11:23	11/30/22	Soil	1 Jar	SS01 - 6'	3								X		
11:30	11/30/22	Soil	1 Jar	SS01 - 8'	4								X		
12:46	11/30/22	Soil	1 Jar	SS01 - 10'	5								X		
14:17	11/30/22	Soil	1 Jar	SS01 - 12'	6							X	X		cole asked to re extract & rean
10:02	11/30/22	Soil	1 Jar	SS02 - 0'	7								X		for TPH on
11:04	11/30/22	Soil	1 Jar	SS03 - 0'	8								X		Sample #6.
															12/12/22 CC
12:21	11/30/22	Soil	1 Jar	SS05B - 0'	9								X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com, israel.estrella@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. **Sampled by:** _____

Relinquished by: (Signature) <i>Shirley Herrera</i>	Date 12-02-22	Time 10:12 AM	Received by: (Signature) <i>Michelle R. Guy</i>	Date 12-02-22	Time 10:12	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N
Relinquished by: (Signature) <i>Michelle Guy</i>	Date 12-3-22	Time 1800	Received by: (Signature) <i>Carth Cote</i>	Date 12/5/22	Time 8:15	T1: _____ T2: _____ T3: _____
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	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.



Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #075H 11.6.22
Spill

Work Order: E212112

Job Number: 01058-0007

Received: 12/19/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/22/22

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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/22/22



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #075H 11.6.22 Spill
Workorder: E212112
Date Received: 12/19/2022 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2022 8:30:00AM, under the Project Name: Ross Draw Unit #075H 11.6.22 Spill.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H 11.6.22 Spill 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/22/22 14:11
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04- 0'	E212112-01A	Soil	12/15/22	12/19/22	Glass Jar, 2 oz.
SS06 - 2'	E212112-02A	Soil	12/15/22	12/19/22	Glass Jar, 2 oz.
SS07 - 0'	E212112-03A	Soil	12/15/22	12/19/22	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/22/2022 2:11:32PM
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SS04- 0'

E212112-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2252005
Benzene	ND	0.0250	1	12/19/22	12/19/22	
Ethylbenzene	ND	0.0250	1	12/19/22	12/19/22	
Toluene	ND	0.0250	1	12/19/22	12/19/22	
o-Xylene	ND	0.0250	1	12/19/22	12/19/22	
p,m-Xylene	ND	0.0500	1	12/19/22	12/19/22	
Total Xylenes	ND	0.0250	1	12/19/22	12/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	12/19/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2252005
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/22	12/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.2 %	70-130	12/19/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2252008
Diesel Range Organics (C10-C28)	170	25.0	1	12/19/22	12/20/22	
Oil Range Organics (C28-C36)	271	50.0	1	12/19/22	12/20/22	
<i>Surrogate: n-Nonane</i>		92.0 %	50-200	12/19/22	12/20/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/22/2022 2:11:32PM
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SS06 - 2'

E212112-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252005
Benzene	ND	0.0250	1	12/19/22	12/19/22	
Ethylbenzene	ND	0.0250	1	12/19/22	12/19/22	
Toluene	ND	0.0250	1	12/19/22	12/19/22	
o-Xylene	ND	0.0250	1	12/19/22	12/19/22	
p,m-Xylene	ND	0.0500	1	12/19/22	12/19/22	
Total Xylenes	ND	0.0250	1	12/19/22	12/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	12/19/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252005
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/22	12/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	12/19/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/22	12/20/22	
<i>Surrogate: n-Nonane</i>		94.4 %	50-200	12/19/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	334	20.0	1	12/20/22	12/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/22/2022 2:11:32PM
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SS07 - 0'

E212112-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2252005
Benzene	ND	0.0250	1	12/19/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/19/22	12/20/22	
Toluene	ND	0.0250	1	12/19/22	12/20/22	
o-Xylene	ND	0.0250	1	12/19/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/19/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/19/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %	70-130	12/19/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2252005
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.1 %	70-130	12/19/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2252008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/22	12/20/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/19/22	12/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/22/2022 2:11:32PM
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Volatile Organics by EPA 8021B

Analyst: SL

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 (2252005-BLK1)

Prepared: 12/19/22 Analyzed: 12/19/22

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	7.78		8.00		97.2	70-130			

LCS (2252005-BS1)

Prepared: 12/19/22 Analyzed: 12/19/22

Benzene	4.48	0.0250	5.00		89.6	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130			
Toluene	4.75	0.0250	5.00		94.9	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			

Matrix Spike (2252005-MS1)

Source: E212110-02

Prepared: 12/19/22 Analyzed: 12/19/22

Benzene	4.53	0.0250	5.00	ND	90.6	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133			
Toluene	4.80	0.0250	5.00	ND	95.9	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.2	63-131			
p,m-Xylene	9.59	0.0500	10.0	ND	95.9	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			

Matrix Spike Dup (2252005-MSD1)

Source: E212110-02

Prepared: 12/19/22 Analyzed: 12/19/22

Benzene	4.47	0.0250	5.00	ND	89.5	54-133	1.21	20	
Ethylbenzene	4.68	0.0250	5.00	ND	93.5	61-133	0.921	20	
Toluene	4.75	0.0250	5.00	ND	94.9	61-130	1.05	20	
o-Xylene	4.81	0.0250	5.00	ND	96.2	63-131	1.03	20	
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	63-131	1.07	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.3	63-131	1.05	20	
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/22/2022 2:11:32PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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 (2252005-BLK1)

Prepared: 12/19/22 Analyzed: 12/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

LCS (2252005-BS2)

Prepared: 12/19/22 Analyzed: 12/19/22

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

Matrix Spike (2252005-MS2)

Source: E212110-02

Prepared: 12/19/22 Analyzed: 12/19/22

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		96.9	70-130			

Matrix Spike Dup (2252005-MSD2)

Source: E212110-02

Prepared: 12/19/22 Analyzed: 12/19/22

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.7	70-130	2.47	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/22/2022 2:11:32PM
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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 (2252008-BLK1)

Prepared: 12/19/22 Analyzed: 12/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			

LCS (2252008-BS1)

Prepared: 12/19/22 Analyzed: 12/19/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			

Matrix Spike (2252008-MS1)

Source: E212089-01

Prepared: 12/19/22 Analyzed: 12/19/22

Diesel Range Organics (C10-C28)	2830	25.0	250	1560	510	38-132			M4
Surrogate: n-Nonane	50.1		50.0		100	50-200			

Matrix Spike Dup (2252008-MSD1)

Source: E212089-01

Prepared: 12/19/22 Analyzed: 12/19/22

Diesel Range Organics (C10-C28)	1620	25.0	250	1560	26.5	38-132	54.3	20	M4, R4
Surrogate: n-Nonane	51.4		50.0		103	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/22/2022 2:11:32PM
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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 (2252020-BLK1)

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride	ND	20.0							
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LCS (2252020-BS1)

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride	255	20.0	250		102	90-110			
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Matrix Spike (2252020-MS1)

Source: E212114-21

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride	253	20.0	250	ND	101	80-120			
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Matrix Spike Dup (2252020-MSD1)

Source: E212114-21

Prepared: 12/20/22 Analyzed: 12/20/22

Chloride	245	20.0	250	ND	97.8	80-120	3.59	20	
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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 #075H 11.6.22 Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/22/22 14:11

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

R4 The RPD exceeded the acceptance limit. Sample visually appears to be non-homogenous.

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.



Client: <u>Devon Energy</u>		Attention: <u>Jim Raley</u>		Lab Use Only		TAT		EPA Program			
Project: <u>RDU # 075H 11.6.22 spill</u>		Address: <u>5315 Buena Vista Dr.</u>		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Ashley Giovengo</u>		City, State, Zip: <u>Carlsbad, NM 88220</u>		<u>E212112</u>	<u>01058-0007</u>				<u>X</u>		
Address: <u>1224 Standpipe Rd</u>		Phone: <u>575-689-7597</u>		Analysis and Method							
City, State, Zip: <u>Carlsbad, NM 88220</u>		Email: <u>jim.raley@dvn.com</u>		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
Phone: <u>505-382-1211</u>		Report due by:		State							
Email: <u>ashley.giovengo@wescominc.com</u>				NM CO UT AZ TX							
				<u>X</u>							

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	BGDOC NM	BGDOC TX	Remarks
12:14	12/15	Soil	1 jar	SS04-0'	1							<u>X</u>		
12:25	12/15	Soil	1 jar	SS06-2'	2							<u>X</u>		
13:23	12/15	Soil	1 jar	SS07-0'	3							<u>X</u>		

Additional Instructions: Kept on ice, please cc cole.burton@wescominc, jim.raley@dvn.com, ashley.giovengo@wescominc.com and israel.estrella@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) <u>[Signature]</u>	Date <u>12/16/22</u>	Time <u>10:42am</u>	Received by: (Signature) <u>Michelle Cuy</u>	Date <u>12-16-22</u>	Time <u>10:42</u>	Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Cuy</u>	Date <u>12-16-22</u>	Time <u>11:30</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12/19/22</u>	Time <u>8:30</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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.



Envirotech Analytical Laboratory

Printed: 12/19/2022 9:05:43AM

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: 12/19/22 08:30 Work Order ID: E212112
Phone: (505) 382-1211 Date Logged In: 12/19/22 09:03 Logged In By: Caitlin Christian
Email: ashley.giovengo@wescominc.com Due Date: 12/23/22 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: UPS

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 instruction.

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

Date



envirotech Inc.

Project Information

Chain of Custody

Ross Draw Unit # 075H 11.6.22 spill per Cole Burton

Client: Devon Energy		Bill To		Lab Use Only		TAT		EPA Program	
Project: COU # 075H 11.6.22 spill		Attention: Jim Raley		Lab WO# E212112		Job Number 0058-007		CWA SDWA	
Project Manager: Ashley Giovengo		Address: 5315 Buena Vista Dr.		1D		2D		3D	
Address: 12245 Standpipe Rd		City, State, Zip Carlsbad, NM 88220		Standard		X			
Phone: 505-382-1211		Phone: 575-689-7597		Analysis and Method				RCRA	
Email: ashley.giovengo@wescominc.com		Email: jim.raley@dvn.com						State	
Report due by:				DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021	
				VOC by 8260		Metals 6010		Chloride 300.0	
				BGDOC NM		BGDOC TX		NM	
								CO	
								UT	
								AZ	
								TX	

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	BGDOC NM	BGDOC TX	Remarks
12:14	12/15	Soil	1 jar	SS04-0'	1							X		
12:25	12/15	Soil	1 jar	SS06-2'	2							X		
13:23	12/15	Soil	1 jar	SS07-0'	3							X		

Additional Instructions: Kept on ice, please cc cole.burton@wescominc, jim.raley@dvn.com, ashley.giovengo@wescominc.com and israel.estrella@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)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
<i>[Signature]</i>	12/16/22	10:42am	<i>[Signature]</i>	12/16/22	10:42	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	12/16/22	11:30	<i>[Signature]</i>	12/19/22	8:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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.



Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #075H

Work Order: E301013

Job Number: 01058-0007

Received: 1/6/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/10/23

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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/10/23



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #075H
Workorder: E301013
Date Received: 1/6/2023 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/6/2023 7:15:00AM, under the Project Name: Ross Draw Unit #075H.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H 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
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
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 #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 01/10/23 09:09
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04A - 0'	E301013-01A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/10/2023 9:09:54AM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-----------------------------------------

SS04A - 0'

E301013-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2301038
Benzene	ND	0.0250	1	01/06/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/06/23	01/06/23	
Toluene	ND	0.0250	1	01/06/23	01/06/23	
o-Xylene	ND	0.0250	1	01/06/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/06/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>	98.7 %	70-130		01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	113 %	70-130		01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>	97.9 %	70-130		01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2301038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/23	01/06/23	
<i>Surrogate: Bromofluorobenzene</i>	98.7 %	70-130		01/06/23	01/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	113 %	70-130		01/06/23	01/06/23	
<i>Surrogate: Toluene-d8</i>	97.9 %	70-130		01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2301040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
<i>Surrogate: n-Nonane</i>	97.5 %	50-200		01/05/23	01/06/23	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2301046
Chloride	382	20.0	1	01/06/23	01/06/23	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/10/2023 9:09:54AM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-----------------------------------------

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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 (2301038-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

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	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

LCS (2301038-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	2.60	0.0250	2.50		104	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.63	0.0250	2.50		105	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.67	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS Dup (2301038-BSD1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	2.67	0.0250	2.50		107	70-130	2.49	23	
Ethylbenzene	2.59	0.0250	2.50		104	70-130	2.90	27	
Toluene	2.62	0.0250	2.50		105	70-130	3.89	24	
o-Xylene	2.70	0.0250	2.50		108	70-130	2.85	27	
p,m-Xylene	5.22	0.0500	5.00		104	70-130	3.43	27	
Total Xylenes	7.92	0.0250	7.50		106	70-130	3.23	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported: 1/10/2023 9:09:54AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2301038-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

LCS (2301038-BS2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			

LCS Dup (2301038-BSD2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	64.2	20.0	50.0		128	70-130	11.9	20	
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/10/2023 9:09:54AM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-----------------------------------------

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 (2301040-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			

LCS (2301040-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	234	25.0	250		93.6	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Matrix Spike (2301040-MS1)

Source: E301010-25

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.6	38-132			
Surrogate: n-Nonane	46.8		50.0		93.5	50-200			

Matrix Spike Dup (2301040-MSD1)

Source: E301010-25

Prepared: 01/05/23 Analyzed: 01/06/23

Diesel Range Organics (C10-C28)	247	25.0	250	ND	99.0	38-132	2.44	20	
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/10/2023 9:09:54AM
-------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-----------------------------------------

Anions by EPA 300.0/9056A

Analyst: KL

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 (2301046-BLK1)

Prepared: 01/06/23 Analyzed: 01/06/23

Chloride ND 20.0

LCS (2301046-BS1)

Prepared: 01/06/23 Analyzed: 01/06/23

Chloride 274 20.0 250 110 90-110

Matrix Spike (2301046-MS1)

Source: E301012-21

Prepared: 01/06/23 Analyzed: 01/06/23

Chloride 1150 20.0 250 885 106 80-120

Matrix Spike Dup (2301046-MSD1)

Source: E301012-21

Prepared: 01/06/23 Analyzed: 01/06/23

Chloride 1120 20.0 250 885 95.6 80-120 2.21 20

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 #075H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/10/23 09:09

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.



Client: Dawn Energy
 Project: RDV # 075H
 Project Manager: Ashley Giovenco
 Address: 1224 Standoppe Rd
 City, State, Zip: Carlsbad, NM 88220
 Phone: 505-382-1211
 Email: ashley.giovenco@wescominc.com
 Report due by:

Bill To
 Attention: Jim Raley
 Address: 5315 Buena Vista Dr.
 City, State, Zip: Carlsbad, NM 88220
 Phone: 575-689-7597
 Email: jim.raley@dvn.com

Lab Use Only
 Lab WO#: E301013
 Job Number: 01058-0007

TAT
 1D 2D 3D Standard

EPA Program
 CWA SDWA RCRA

Analysis and Method
 DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX

State
 NM CO UT AZ TX

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	BGDOC NM	BGDOC TX	Remarks
	01/04/23	Soil	1 jar	5504A-01	1							<input checked="" type="checkbox"/>		

Additional Instructions: Kept on ice, please cc cole.burton, ashley.giovenco, israel.estrella@wescominc.com and jim.raley@dvn.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. Sampled by: _____

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) <u>[Signature]</u>	Date <u>01/05/23</u>	Time <u>10:29 AM</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>01-05-23</u>	Time <u>10:29</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>01-05-23</u>	Time <u>1700</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>1-5-23</u>	Time <u>1700</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>1-5-23</u>	Time <u>2245</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>1/6/23</u>	Time <u>7:15</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.



Released to Imaging: 5/30/2023 11:45:24 AM

Received by OCD: 1/31/2023 9:48:25 AM

Page 99 of 104

Envirotech Analytical Laboratory

Printed: 1/6/2023 8:07:52AM

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: 01/06/23 07:15 Work Order ID: E301013
Phone: (505) 382-1211 Date Logged In: 01/05/23 15:08 Logged In By: Caitlin Christian
Email: ashley.giovengo@wescominc.com Due Date: 01/10/23 17:00 (2 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 instruction.

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

Date



envirotech Inc.

Project Information

Chain of Custody

Ross Draw Unit #075H Cc 1/9/23

Client: <u>Devon Energy</u>	Bill To	Lab Use Only		TAT			EPA Program										
Project: <u>EDU #075H</u>	Attention: <u>Jim Raley</u>	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA								
Project Manager: <u>Ashley Giovenco</u>	Address: <u>5315 Buena Vista Dr.</u>	<u>E301013</u>	<u>01058-007</u>			<input checked="" type="checkbox"/>											
Address: <u>1224 Standpipe Rd</u>	City, State, Zip: <u>Carlsbad, NM 88220</u>	Analysis and Method							RCRA								
City, State, Zip: <u>Carlsbad, NM 88220</u>	Phone: <u>575-689-7597</u>																
Phone: <u>505-382-1211</u>	Email: <u>jim.raley@dvn.com</u>								State								
Email: <u>ashley.giovenco@wescominc.com</u>	Report due by:								NM	CO	UT	AZ	TX				
													<input checked="" type="checkbox"/>				

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	BGDOC NM	BGDOC TX	Remarks
	1/5/23	soil	1	5504A-01	1							<input checked="" type="checkbox"/>		
Cole asked to change project name. Cc 1/9/23														

Additional Instructions: Kept on ice, please cc cole.burton, ashley.giovenco, israel.estrella@wescominc.com and jim.raley@dvn.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) <u>[Signature]</u>	Date: <u>01/05/23</u>	Time: <u>10:29 AM</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>01-05-23</u>	Time: <u>10:29</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>01-05-23</u>	Time: <u>1700</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>1-5-23</u>	Time: <u>1700</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>1-5-23</u>	Time: <u>2245</u>	Received by: (Signature) <u>[Signature]</u>	Date: <u>1/6/23</u>	Time: <u>7:15</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.



ATTACHMENT F

48-Hour Confirmation Sampling Notification Emails



From: [Cole Burton](#)
To: [OCD. Enviro \(ocd.enviro@emnrd.nm.gov\)](mailto:OCD.Enviro@emnrd.nm.gov)
Cc: [Ashley Giovengo](#); [Shar Harvester](#); [Joey Croce](#); [Cody York](#); [Raley, Jim](#)
Subject: 48-Hour Confirmation Sample Notice - Ross Draw Unit #075H – nAPP2231242659
Date: Tuesday, November 15, 2022 2:08:00 PM

Hello All,

We intend to take confirmation samples at the Ross Draw Unit #075H – nAPP2231242659 starting on (11/18/22).

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 181093

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 181093
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Devon's deferral requests to complete final remediation during any future major construction/alteration or final plugging/abandonment, whichever occurs first. Wescom and Devon do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The area requested for deferral is the impacted soil surrounding the production tanks shown in Figure 2. The area has been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. This is a federal site and will require like approval from the BLM.	5/30/2023