Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NAB1901827794
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<50' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1901827794
District RP	
Facility ID	
Application ID	

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: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 5/18/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: Jocelyn Harimon Date: 05/19/2023

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1901827794
District RP	
Facility ID	
Application ID	

Closure

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

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

[x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[x] Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

[x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[x] Description of remediation activities

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 5/18/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: Jocelyn Harimon Date: 05/19/2023

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

Closure Approved by: Ashley Maxwell Date: 6/23/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Pima Environmental Services
5614 N. Lovington Highway
Hobbs, NM 88240
575-964-7740

May 2nd, 2023

NMOCD District 2
811 S. First Street
Artesia, NM 88210

Re: Site Assessment, Remediation, and Closure Report
Snapping 2 State 4H
API No. 30-015-39071
GPS: Latitude 32.0657806 Longitude -103.74726834
UL -- P, Sec. 2, T26S, R31E
Eddy County, NM
NMOCD Ref. No. NAB1901827794

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a crude oil and produced water release that occurred at the Snapping 2 State 4H (Snapping). The initial C-141 was submitted on January 16th, 2019 (Appendix C). This incident was assigned Incident ID NAB1901827794 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Snapping is located approximately twenty-two (22) miles southeast of Malaga, NM. This spill site is in Unit P, Section 2, Township 26S, Range 31E, Latitude 32.2657806 Longitude -103.74726834, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Eolian and piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Simona-Bippus complex, 0 to 5 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a high potential for karst geology to be present in the area of the Snapping (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 335 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 275.49 feet BGS. The closest waterway is the Red Bluff Reservoir, located approximately 13.6 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (High Karst)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAB1901827794: On December 19th, 2018, a separator sump valve malfunctioned causing the vessel to fill up and release through the PRV to the open top tank. The spill area Is roughly 136' by 28' by 2''.

Remediation Activities, Site Assessment, and Soil Sampling Results

On January 27th and 30th, 2023, Pima Environmental mobilized personnel to the site to assess the impacted area. Pima collected a total of seventeen soil samples. Soil samples (S1-S6) were collected to achieve vertical delineation, and soil samples (SW1-SW4) were collected to achieve horizontal delineation. An initial site map can be found in Figure 4.

1-27-2023 and 1-30-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -SNAPPING 2 ST 4H								
Sample Date: 1/27/2023 and 1-30-2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	81.6
	2'	ND	ND	ND	ND	ND	0	73.8
S-2	1'	ND	ND	ND	ND	ND	0	405
	2'	ND	ND	ND	ND	ND	0	395
	3'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	130
	2'	ND	ND	ND	ND	ND	0	392
	3'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	1140
	2'	ND	ND	ND	ND	ND	0	71.6
	3'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	ND
S-6	1'	ND	ND	ND	ND	ND	0	ND
SW 1	6''	ND	ND	ND	ND	ND	0	ND
SW 2	6''	ND	ND	ND	ND	ND	0	ND
SW 3	6''	ND	ND	ND	ND	ND	0	ND
SW 4	6''	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Remediation Activities:

On April 25th, 2023, Pima mobilized personnel and equipment to conduct remedial activities. The areas overlapping soil sample S4 was excavated to a depth of 1.5 feet deep. Photographic documentation can be found in Appendix D.

An area approximately 12 feet by 10 feet by 1 .5 foot in depth was excavated utilizing a backhoe.

On April 27th, 2023, after submitting the 48-hour notification (Appendix C), Pima collected confirmation samples. 5-point bottom and sidewall composite samples were obtained to ensure that the vertical and horizontal extents of the contamination had been removed. Each composite sample was representative of no more than 200 square feet. The laboratory results of this sampling event can be found in the following data table.

4-27-2023 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -SNAPPING 2 ST 4H								
Sample Date: 4/27/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS 1	1.5'	ND	ND	ND	ND	ND	0	ND
CSW 1	0-1.5'	ND	ND	ND	ND	ND	0	ND
CSW 2	0-1.5'	ND	ND	ND	ND	ND	0	ND
CSW 3	0-1.5'	ND	ND	ND	ND	ND	0	ND
CSW 4	0-1.5'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Closure Request

Due to analytical levels falling below NMOCD closure criteria, no further action is required.

After careful review, Pima requests that this incident, NAB1901827794, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Professional
Pima Environment Services, LLC

Attachments

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Initial Site Map
5- Confirmation Site Map

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and Geological Data
Appendix C – C-141 Form and Correspondence
Appendix D – Photographic Documentation
Appendix E – Laboratory Reports

Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map

5-Confirmation Sample Map

Snapping 2 St 4H

Devon Energy
API: 30-015-39071
Eddy County, NM
Location Map

Legend

- 22 Miles SE of Malaga, NM
- Snapping 2 State 4H

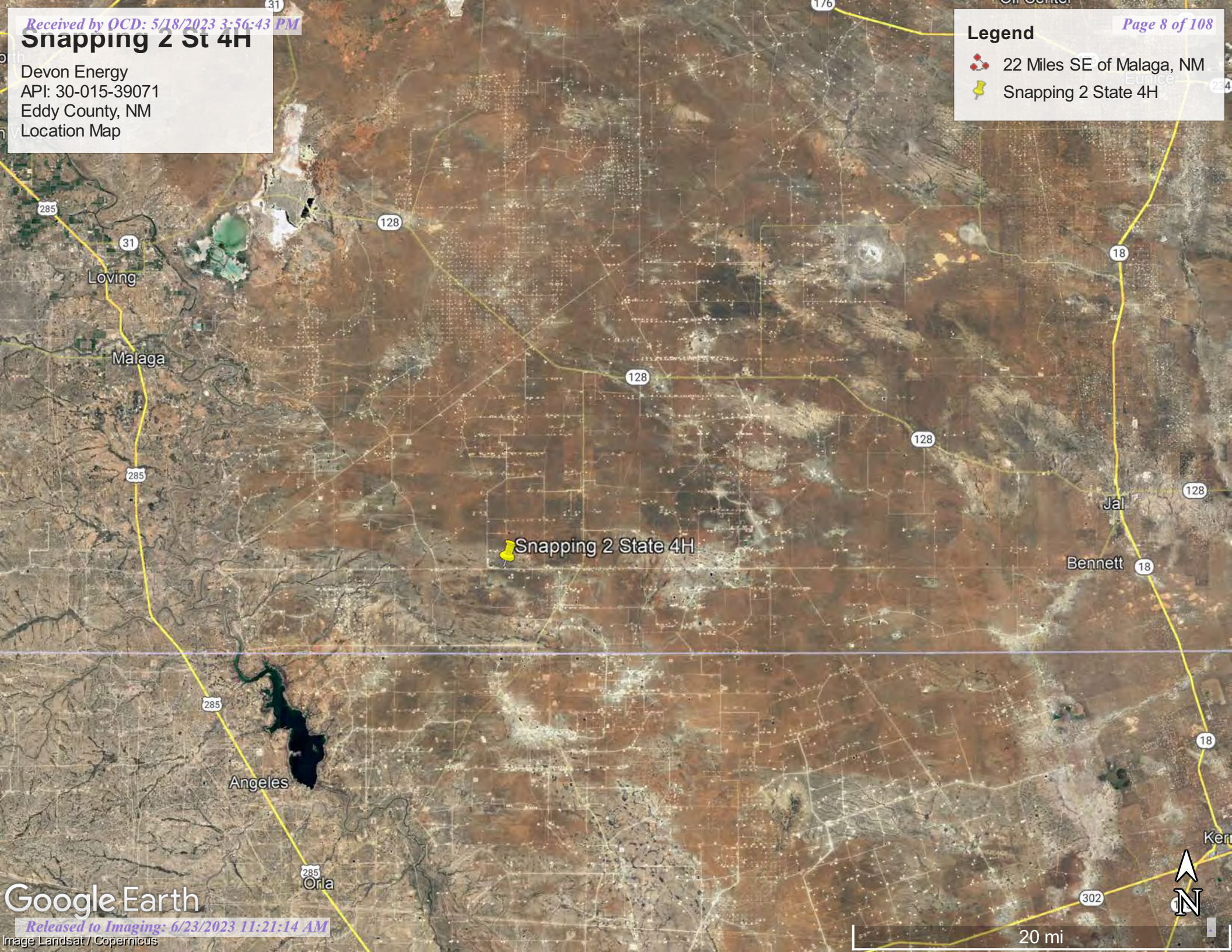


Image Landsat / Copernicus

Snapping 2 State 4H

Devon Energy
API:
Eddy County, NM
Topographic Map

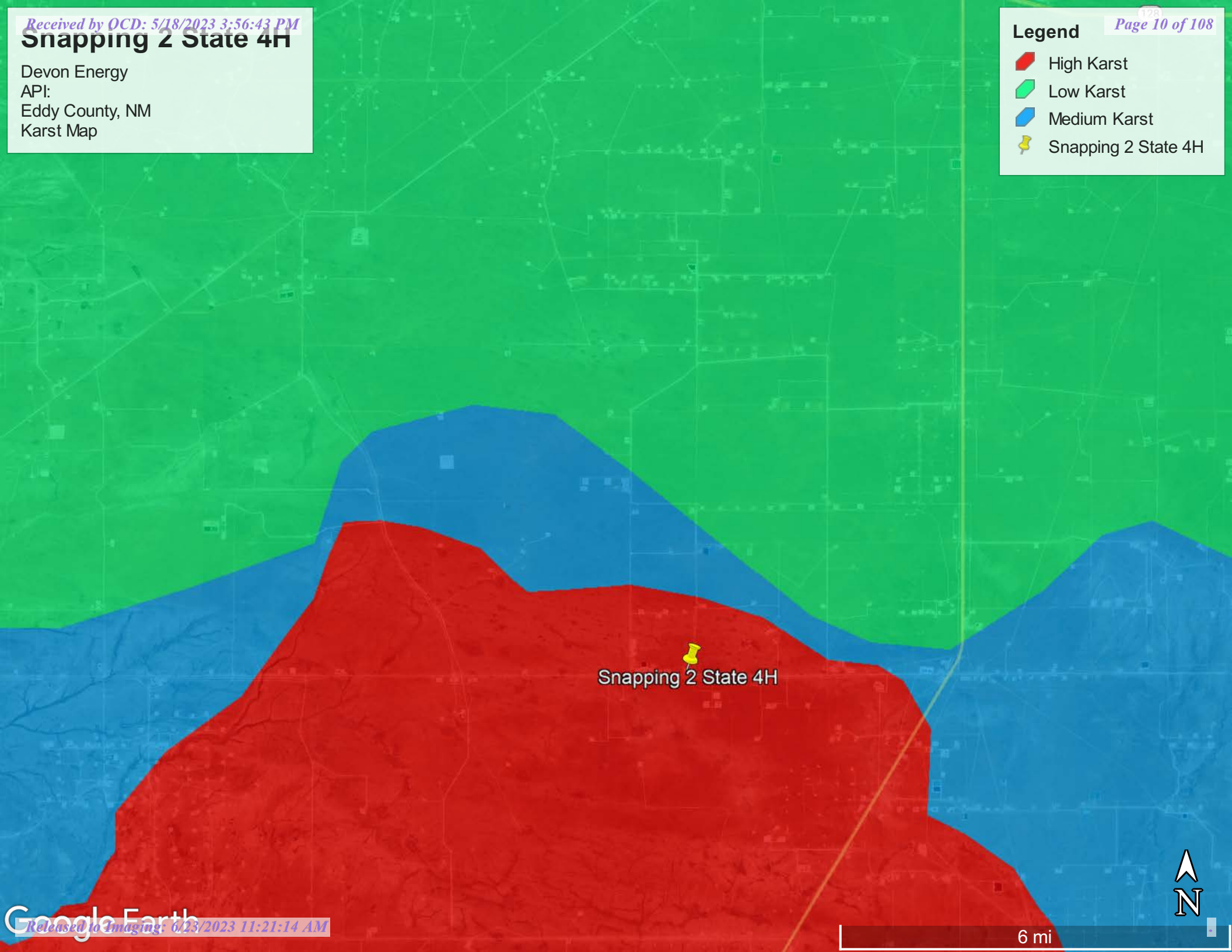
Legend

Snapping 2 State 4H

Drill Hole
3300
3296
3291
3292
3250
2
1
Ross Place
Sweetwater Windmill
3267
BM 3254
Gravel Pit
3261
11
12
Drill Hole
3217
3232
4000 ft
N

Snapping 2 State 4H

Devon Energy
API:
Eddy County, NM
Karst Map



Snapping 2 State 4H

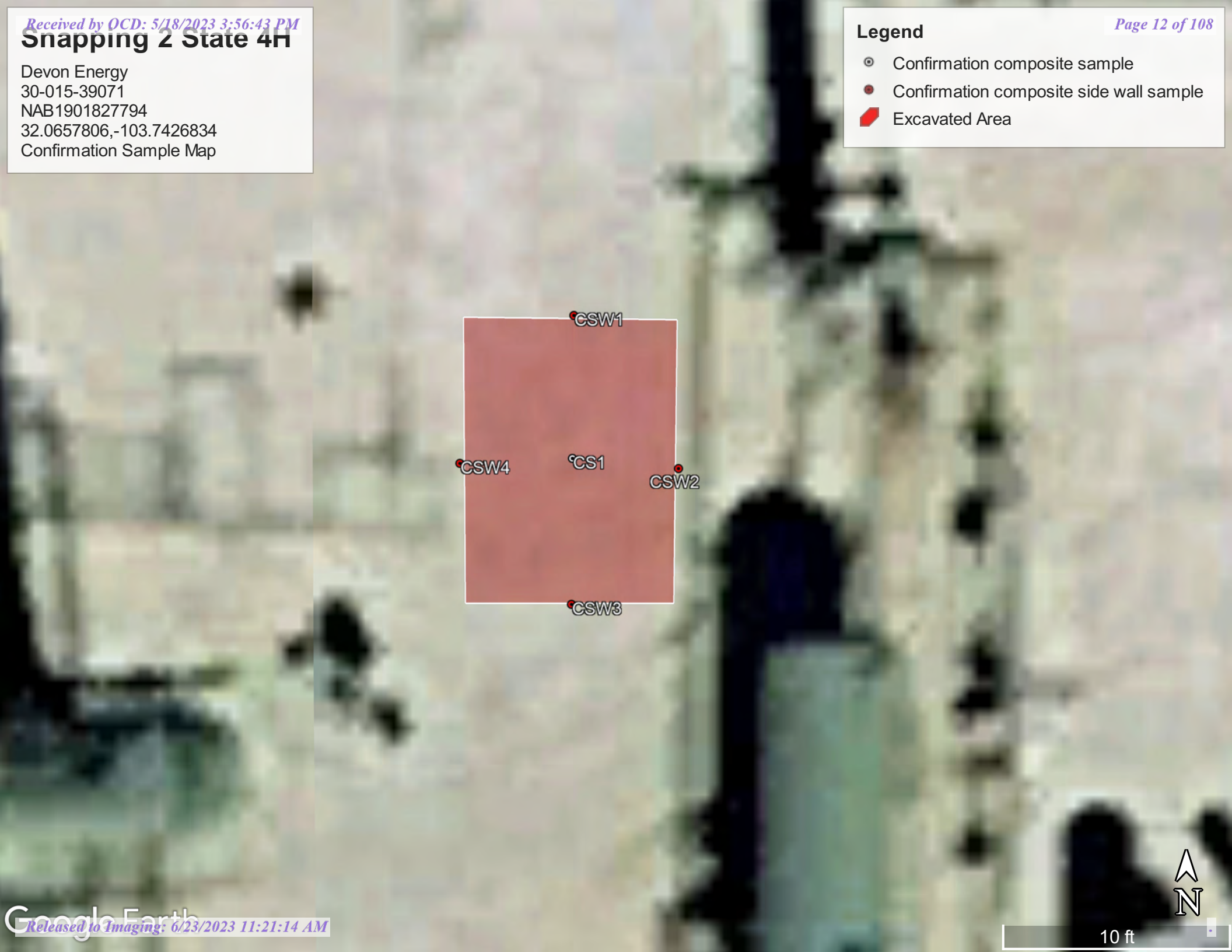
Devon Energy
30-015-39071
NAB1901827794
32.0657806,-103.7426834
Eddy County
Site Map

Snapping 2 State 4H

Devon Energy
30-015-39071
NAB1901827794
32.0657806,-103.7426834
Confirmation Sample Map

Legend

- Confirmation composite sample
- Confirmation composite side wall sample
- Excavated Area



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04637 POD1		CUB	ED	4	4	3	02	26S	31E	618068	3548423	612	51		
C 02090		C	ED		4	4	01	26S	31E	620329	3548533*	1652	350	335	15
C 03639 POD1		CUB	ED	3	4	2	01	26S	31E	620168	3549279	1719	700	365	335
C 04256 POD1		C	ED	4	4	2	01	26S	31E	620384	3549257	1898	666	340	326
C 03554 POD1		CUB	ED	2	1	4	01	26S	31E	620547	3549148	2004	630	300	330
C 03829 POD1		CUB	LE	3	3	1	06	26S	32E	620628	3549186	2094	646	350	296
C 04209 POD2		C	LE	2	3	3	06	26S	32E	620818	3548657	2150	340	155	185
C 04209 POD1		CUB	LE	2	3	3	06	26S	32E	620903	3548619	2231	360	155	205
C 04619 POD1		CUB	ED	2	1	2	27	25S	31E	616750	3552958	4933	55		

Average Depth to Water: **285 feet**
Minimum Depth: **155 feet**
Maximum Depth: **365 feet**

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 618680.46 **Northing (Y):** 3548417.81 **Radius:** 5000

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

1/31/23 2:08 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 320330103462401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

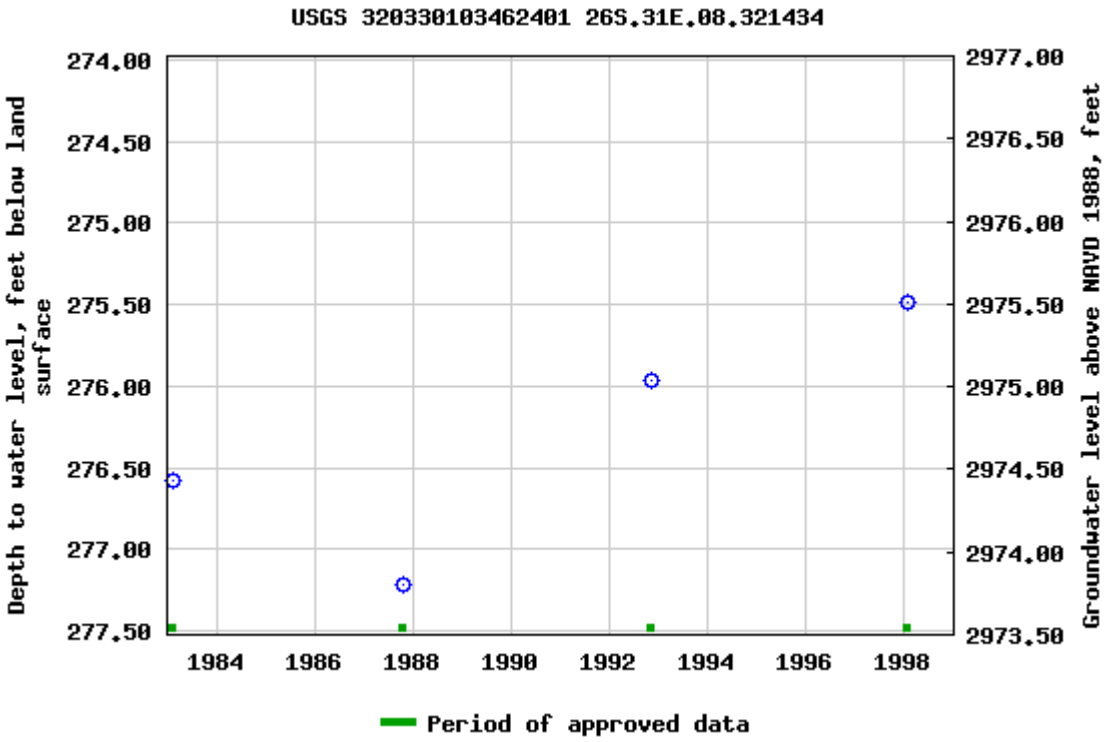
USGS 320330103462401 26S.31E.08.321434

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13070001
Latitude 32°03'30", Longitude 103°46'24" NAD27
Land-surface elevation 3,251 feet above NAVD88
The depth of the well is 380 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

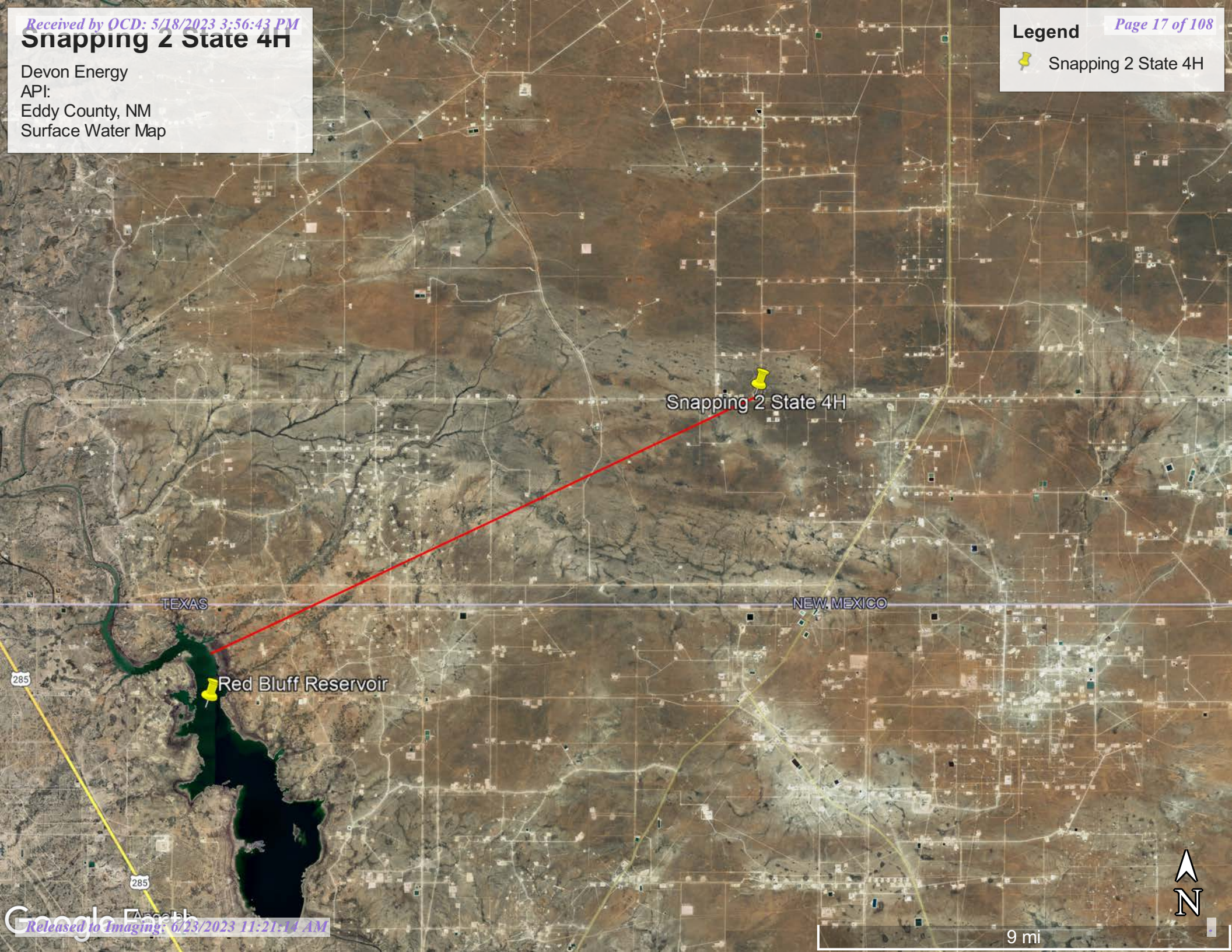
Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-01-31 16:05:25 EST
0.57 0.47 nadww01

Snapping 2 State 4H

Devon Energy
API:
Eddy County, NM
Surface Water Map

Legend

Snapping 2 State 4H



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Eddy Area, New Mexico

SM—Simona-Bippus complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w5x
Elevation: 1,800 to 5,000 feet
Mean annual precipitation: 8 to 24 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 55 percent
Bippus and similar soils: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam
H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D

Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Description of Bippus

Setting

Landform: Flood plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 37 inches: silty clay loam
H2 - 37 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 8 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Bippus

Percent of map unit: 7 percent
Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

Eddy Area, New Mexico

PA—Pajarito loamy fine sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w54
Elevation: 2,700 to 5,500 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 250 days
Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 13 inches: loamy fine sand
H2 - 13 to 36 inches: fine sandy loam
H3 - 36 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Berino
Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink
Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette

FEMA

103°44'52"W 32°4'12"N

103°44'15"W 32°3'42"N

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

1:6,000

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

Legend

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

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

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

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

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

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

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/30/2023 at 12:31 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.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

January 31, 2023

Wetlands

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

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

Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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	NAB1901827794
District RP	2RP-5190
Facility ID	
Application ID	pAB1901827404

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # *(assigned by OCD)* NAB1901827794
Contact mailing address 6488 Seven Rivers Hwy	

Location of Release Source

Latitude 32.0657806 Longitude -103.7426834

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Snapping 2 St. 4H	Site Type Oil
Date Release Discovered 12/19/18	API# *(if applicable)* 3001539071

Unit Letter	Section	Township	Range	County
P	02	26S	31E	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)

☒ Crude Oil	Volume Released (bbls) 15	Volume Recovered (bbls) 15
☒ Produced Water	Volume Released (bbls) 64	Volume Recovered (bbls) 64
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: A separator dump valve malfunctioned causing the vessel to fill up and release through the PRV to the open top tank. Spill area 136' x 28' x 2"

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5190
Facility ID	
Application ID	pAB1901827404

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release because it is over 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Kendra DeHoyos Title: EHS Associate

Signature: Kendra DeHoyos Kendra DeHoyos 2019.01.02 10:16:54 -07'00' Date: 1/2/19

email: kendra.dehoyos@dvn.com Telephone: 575-748-3371

OCD Only

Received by: Amalia Barrameda Date: 1/18/2019

State of New Mexico
Oil Conservation Division

Incident ID	NAB1901827794
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<50' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1901827794
District RP	
Facility ID	
Application ID	

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: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 5/18/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1901827794
District RP	
Facility ID	
Application ID	

Closure

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

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

[x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[x] Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

[x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[x] Description of remediation activities

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 5/18/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Ashley Maxwell Date: 6/23/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

From: sebastian@pimaoil.com
To: ocdonline@state.nm.us
Cc: Polly@pimaoil.com
Subject: Snapping 2 State 4H, 48 Hour Notification (NAB1901827794)
Date: Tuesday, April 25, 2023 10:12:49 AM
Attachments: image001.png

Good morning,

Pima Environmental would like to notify you that we will be conducting a confirmation sampling event at the Snapping 2 State 4H (NAB1901827794), on Thursday April 27, 2023. Pima personnel will be on location at 10 am. Thank you.

Respectfully,
Sebastian Orozco
Environmental Professional
5614 N Lovington Hwy,
Hobbs, NM 88240
Sebastian@pimaoil.com
619-721-4813 cell

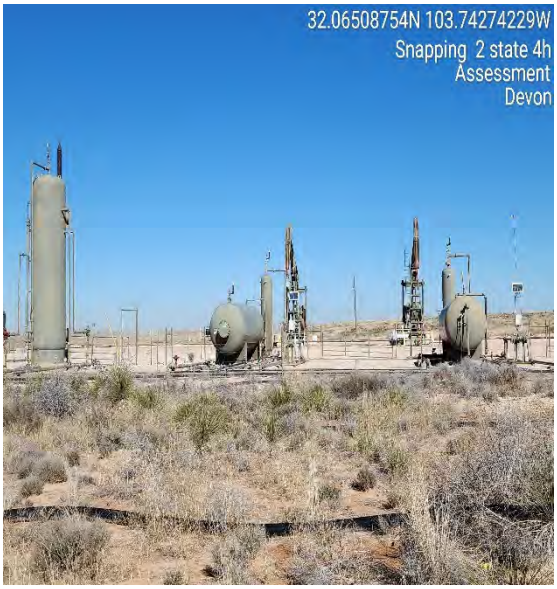
Pima Environmental Services

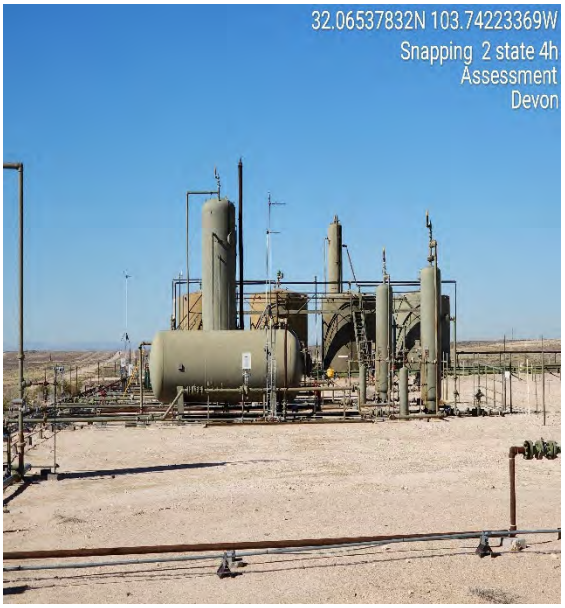
Appendix D

Photographic Documentation

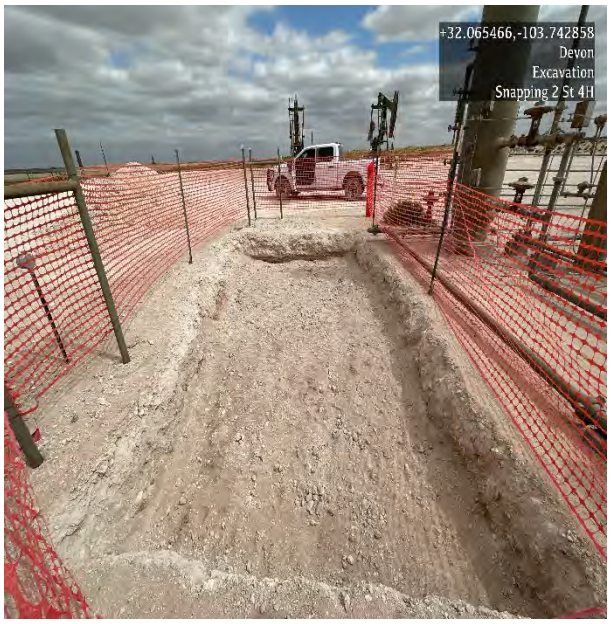
SITE PHOTOGRAPHS
DEVON ENERGY
Snapping 2 State 4H

Site Assessment





Excavation


+32.065466,-103.742858
Devon
Excavation
Snapping 2 St 4H


+32.065466,-103.742858
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Excavation
Snapping 2 St 4H


+32.065466,-103.742858
Devon
Excavation
Snapping 2 St 4H


+32.065558,-103.742814
Devon
Excavation
Snapping 2 St 4H

Pima Environmental Services

Appendix E

Laboratory Reports

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Snapping 2 ST 4H
Work Order:	E302006
Job Number:	01058-0007
Received:	2/2/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/6/23

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: 2/6/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Snapping 2 ST 4H
Workorder: E302006
Date Received: 2/2/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2023 8:15:00AM, under the Project Name: Snapping 2 ST 4H.

The analytical test results summarized in this report with the Project Name: Snapping 2 ST 4H 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 reguarding 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
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/06/23 14:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 1'	E302006-01A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-1 2'	E302006-02A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-2 1'	E302006-03A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-2 2'	E302006-04A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-2 3'	E302006-05A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-3 1'	E302006-06A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-3 2'	E302006-07A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-3 3'	E302006-08A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-4 1'	E302006-09A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-4 2'	E302006-10A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-4 3'	E302006-11A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-5 1'	E302006-12A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
S-6 1'	E302006-13A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-1 1'

E302006-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	**81.6**	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-1 2'

E302006-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	**73.8**	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-2 1'

E302006-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*99.6 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	**405**	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-2 2'

E302006-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	**395**	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-2 3'

E302006-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.1 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	ND	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-3 1'

E302006-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*99.8 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	**130**	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-3 2'

E302006-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*98.2 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	**392**	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-3 3'

E302006-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	ND	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-4 1'

E302006-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	**1140**	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-4 2'

E302006-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	**71.6**	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-4 3'

E302006-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.9 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/03/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*02/02/23*	*02/03/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	ND	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-5 1'

E302006-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/03/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/02/23*	*02/03/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	ND	20.0	1	02/02/23	02/02/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

S-6 1'

E302006-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Benzene	ND	0.0250	1	02/02/23	02/02/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/02/23	
Toluene	ND	0.0250	1	02/02/23	02/02/23	
o-Xylene	ND	0.0250	1	02/02/23	02/02/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/02/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/02/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305048
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*02/02/23*	*02/02/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/03/23	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*02/02/23*	*02/03/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305052
Chloride	ND	20.0	1	02/02/23	02/02/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305048-BLK1)									Prepared: 02/02/23 Analyzed: 02/02/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.18*		*8.00*		*102*	*70-130*			
LCS (2305048-BS1)									Prepared: 02/02/23 Analyzed: 02/02/23
Benzene	4.76	0.0250	5.00		95.2	70-130			
Ethylbenzene	4.84	0.0250	5.00		96.8	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	4.99	0.0250	5.00		99.9	70-130			
p,m-Xylene	9.82	0.0500	10.0		98.2	70-130			
Total Xylenes	14.8	0.0250	15.0		98.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.22*		*8.00*		*103*	*70-130*			
Matrix Spike (2305048-MS1)				**Source: E302006-02**					Prepared: 02/02/23 Analyzed: 02/02/23
Benzene	4.71	0.0250	5.00	ND	94.2	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133			
Toluene	4.90	0.0250	5.00	ND	97.9	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.37*		*8.00*		*105*	*70-130*			
Matrix Spike Dup (2305048-MSD1)				**Source: E302006-02**					Prepared: 02/02/23 Analyzed: 02/02/23
Benzene	4.82	0.0250	5.00	ND	96.3	54-133	2.19	20	
Ethylbenzene	4.90	0.0250	5.00	ND	97.9	61-133	1.98	20	
Toluene	5.00	0.0250	5.00	ND	100	61-130	2.13	20	
o-Xylene	5.07	0.0250	5.00	ND	101	63-131	2.18	20	
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131	2.13	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	2.15	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.35*		*8.00*		*104*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305048-BLK1)									Prepared: 02/02/23 Analyzed: 02/02/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.44*		*8.00*		*92.9*	*70-130*			
LCS (2305048-BS2)									Prepared: 02/02/23 Analyzed: 02/02/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.7*	*70-130*			
Matrix Spike (2305048-MS2)				**Source: E302006-02**					Prepared: 02/02/23 Analyzed: 02/02/23
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.44*		*8.00*		*92.9*	*70-130*			
Matrix Spike Dup (2305048-MSD2)				**Source: E302006-02**					Prepared: 02/02/23 Analyzed: 02/02/23
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	0.888	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305057-BLK1)									Prepared: 02/02/23 Analyzed: 02/02/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*47.1*		*50.0*		*94.3*	*50-200*			
LCS (2305057-BS1)									Prepared: 02/02/23 Analyzed: 02/02/23
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	*50.5*		*50.0*		*101*	*50-200*			
Matrix Spike (2305057-MS1)				**Source: E302006-06**					Prepared: 02/02/23 Analyzed: 02/02/23
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.2*	*50-200*			
Matrix Spike Dup (2305057-MSD1)				**Source: E302006-06**					Prepared: 02/02/23 Analyzed: 02/02/23
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	1.70	20	
Surrogate: n-Nonane	*45.8*		*50.0*		*91.7*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2023 2:55:22PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305052-BLK1)									Prepared: 02/02/23 Analyzed: 02/02/23
Chloride	ND	20.0							
LCS (2305052-BS1)									Prepared: 02/02/23 Analyzed: 02/02/23
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2305052-MS1)				**Source: E302006-01**					Prepared: 02/02/23 Analyzed: 02/02/23
Chloride	326	20.0	250	81.6	98.0	80-120			
Matrix Spike Dup (2305052-MSD1)				**Source: E302006-01**					Prepared: 02/02/23 Analyzed: 02/02/23
Chloride	348	20.0	250	81.6	106	80-120	6.24	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

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/06/23 14:55

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.

Project Information | Chain of Custody | Page 1 of 2

Client: Pima Environmental Services	Bill To
Project: Snapping Z ST 4H	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM. 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 1-235
Report due by:	

Lab Use Only: Lab WO# E302006 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:00	1/27/23	S	1	S-1 1'	1	X	
8:05				S-1 2'	2		
8:10				S-2 1'	3		
8:15				S-2 2'	4		
8:20				S-2 3'	5		
8:25				S-3 1'	6		
8:30				S-3 2'	7		
8:35				S-3 3'	8		
8:40				S-4 1'	9		
8:45				S-4 2'	10		

Additional Instructions: Bill To Devon Energy

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: Dominick Gonzoles

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
Ned Rogers	1-31-23	2:00	Michelle Gaytan	1-31-23	1415
Michelle Gaytan	1-31-23	1730	Lorenzo Lei	2-1-23	1702
Lorenzo Lei	2-1-23	2302	Cutler Chatin	2/2/23	8:15

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.

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client: Pima Environmental Services	Bill To
Project: Snapping ZST 4H	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 1-235
Report due by:	

Lab Use Only: Lab WO# E302006 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
8:50	1/27/23	S	1	S-4 3'	11									X				
8:55	"	"	"	S-5 1'	12									"				
9:00	"	"	"	S-6 1'	13									"				

Analysis and Method

Additional Instructions: Bill To Devon Energy

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: Dominick Gonzales

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
Ned Rogers	1-31-23	2:00	Michelle Gonzales	1-31-23	1415
Michelle Gonzales	1-31-23	1730	Lorenzo Lei	2-1-23	0702
Lorenzo Lei	2-1-23	230	Carlos Chavez	2/2/23	8:15

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.

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Envirotech Analytical Laboratory

Printed: 2/2/2023 3:59:46PM

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:	Pima Environmental Services-Carlsbad	Date Received:	02/02/23 08:15	Work Order ID:	E302006
Phone:	(575) 631-6977	Date Logged In:	02/01/23 15:54	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	02/07/23 17:00 (3 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Snapping 2 ST 4H
Work Order:	E302010
Job Number:	01058-0007
Received:	2/2/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/8/23

Date Reported: 2/8/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Snapping 2 ST 4H
Workorder: E302010
Date Received: 2/2/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2023 8:15:00AM, under the Project Name: Snapping 2 ST 4H.

The analytical test results summarized in this report with the Project Name: Snapping 2 ST 4H 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 reguarding 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
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Cell: 505-320-4759
ljarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/23 09:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-1	E302010-01A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
SW-2	E302010-02A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
SW-3	E302010-03A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.
SW-4	E302010-04A	Soil	01/27/23	02/02/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

SW-1

E302010-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.8 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

SW-2

E302010-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.8 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

SW-3

E302010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

SW-4

E302010-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305051-BLK1)									Prepared: 02/02/23 Analyzed: 02/03/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.28*		*8.00*		*103*	*70-130*			
LCS (2305051-BS1)									Prepared: 02/02/23 Analyzed: 02/03/23
Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.31*		*8.00*		*104*	*70-130*			
Matrix Spike (2305051-MS1)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Benzene	4.63	0.0250	5.00	ND	92.6	54-133			
Ethylbenzene	4.71	0.0250	5.00	ND	94.1	61-133			
Toluene	4.80	0.0250	5.00	ND	96.1	61-130			
o-Xylene	4.85	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.54	0.0500	10.0	ND	95.4	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.25*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2305051-MSD1)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Benzene	4.89	0.0250	5.00	ND	97.9	54-133	5.56	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133	5.27	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	5.39	20	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	5.48	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	5.42	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	5.44	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.55*		*8.00*		*107*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305051-BLK1)									Prepared: 02/02/23 Analyzed: 02/03/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			
LCS (2305051-BS2)									Prepared: 02/02/23 Analyzed: 02/03/23
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.16*		*8.00*		*89.6*	*70-130*			
Matrix Spike (2305051-MS2)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			
Matrix Spike Dup (2305051-MSD2)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	0.0427	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305042-BLK1)									Prepared: 02/01/23 Analyzed: 02/01/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
LCS (2305042-BS1)									Prepared: 02/01/23 Analyzed: 02/01/23
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			
LCS Dup (2305042-BSD1)									Prepared: 02/01/23 Analyzed: 02/01/23
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132	0.292	20	
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:07:48AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305061-BLK1)									Prepared: 02/02/23 Analyzed: 02/02/23
Chloride	ND	20.0							
LCS (2305061-BS1)									Prepared: 02/02/23 Analyzed: 02/03/23
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2305061-MS1)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2305061-MSD1)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Chloride	250	20.0	250	ND	100	80-120	0.0244	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

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 ST 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/23 09:07

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.

Project Information | Chain of Custody | Page 1 of 1

Client: Pima Environmental Services	Bill To
Project: Snapping 2 ST 4H	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 1-235
Report due by:	

Lab Use Only: Lab WO# E302010 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
10:00	1/27/23	S	1	SW-1	1	X	
10:05	"	"	"	SW-2	2	"	
10:10	"	"	"	SW-3	3	"	
10:15	"	"	"	SW-4	4	"	

Additional Instructions: Bill To Devon Energy:

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: Dominick Gonzales

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
Ned Rogers	2-1-23	2:00	Michelle Gaytan	2-1-23	1400
Michelle Gaytan	2-1-23	1700	Lorenzo Lei	2-1-23	1700
Lorenzo Lei	2-1-23	2300	Cathy Chu	2/2/23	8:15

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.

envirotech

Envirotech Analytical Laboratory

Printed: 2/2/2023 9:18:37AM

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:	Pima Environmental Services-Carlsbad	Date Received:	02/02/23 08:15	Work Order ID:	E302010
Phone:	(575) 631-6977	Date Logged In:	02/01/23 16:21	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	02/08/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Hackberry 18 Fed 2
Work Order:	E302011
Job Number:	01058-0007
Received:	2/2/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/8/23

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

Date Reported: 2/8/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Hackberry 18 Fed 2
Workorder: E302011
Date Received: 2/2/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/2/2023 8:15:00AM, under the Project Name: Hackberry 18 Fed 2.

The analytical test results summarized in this report with the Project Name: Hackberry 18 Fed 2 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 reguarding 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
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/23 09:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-1	E302011-01A	Soil	01/30/23	02/02/23	Glass Jar, 2 oz.
SW-2	E302011-02A	Soil	01/30/23	02/02/23	Glass Jar, 2 oz.
SW-3	E302011-03A	Soil	01/30/23	02/02/23	Glass Jar, 2 oz.
SW-4	E302011-04A	Soil	01/30/23	02/02/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

SW-1

E302011-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

SW-2

E302011-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

SW-3

E302011-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

SW-4

E302011-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Benzene	ND	0.0250	1	02/02/23	02/03/23	
Ethylbenzene	ND	0.0250	1	02/02/23	02/03/23	
Toluene	ND	0.0250	1	02/02/23	02/03/23	
o-Xylene	ND	0.0250	1	02/02/23	02/03/23	
p,m-Xylene	ND	0.0500	1	02/02/23	02/03/23	
Total Xylenes	ND	0.0250	1	02/02/23	02/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/02/23	02/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*02/02/23*	*02/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305040
Diesel Range Organics (C10-C28)	ND	25.0	1	02/02/23	02/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/02/23	02/02/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/02/23*	*02/02/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305061
Chloride	ND	20.0	1	02/02/23	02/03/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305051-BLK1)									Prepared: 02/02/23 Analyzed: 02/03/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.28*		*8.00*		*103*	*70-130*			
LCS (2305051-BS1)									Prepared: 02/02/23 Analyzed: 02/03/23
Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.31*		*8.00*		*104*	*70-130*			
Matrix Spike (2305051-MS1)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Benzene	4.63	0.0250	5.00	ND	92.6	54-133			
Ethylbenzene	4.71	0.0250	5.00	ND	94.1	61-133			
Toluene	4.80	0.0250	5.00	ND	96.1	61-130			
o-Xylene	4.85	0.0250	5.00	ND	97.1	63-131			
p,m-Xylene	9.54	0.0500	10.0	ND	95.4	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.25*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2305051-MSD1)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Benzene	4.89	0.0250	5.00	ND	97.9	54-133	5.56	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133	5.27	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	5.39	20	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	5.48	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	5.42	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	5.44	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.55*		*8.00*		*107*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305051-BLK1)									Prepared: 02/02/23 Analyzed: 02/03/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			
LCS (2305051-BS2)									Prepared: 02/02/23 Analyzed: 02/03/23
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.16*		*8.00*		*89.6*	*70-130*			
Matrix Spike (2305051-MS2)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.38*		*8.00*		*92.2*	*70-130*			
Matrix Spike Dup (2305051-MSD2)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0	ND	101	70-130	0.0427	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305040-BLK1)									Prepared: 02/01/23 Analyzed: 02/01/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.5*		*50.0*		*111*	*50-200*			
LCS (2305040-BS1)									Prepared: 02/01/23 Analyzed: 02/01/23
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*50-200*			
LCS Dup (2305040-BSD1)									Prepared: 02/01/23 Analyzed: 02/01/23
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132	1.55	20	
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/8/2023 9:09:59AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305061-BLK1)									Prepared: 02/02/23 Analyzed: 02/02/23
Chloride	ND	20.0							
LCS (2305061-BS1)									Prepared: 02/02/23 Analyzed: 02/03/23
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2305061-MS1)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2305061-MSD1)				**Source: E302010-01**					Prepared: 02/02/23 Analyzed: 02/03/23
Chloride	250	20.0	250	ND	100	80-120	0.0244	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

Pima Environmental Services-Carlsbad	Project Name:	Hackberry 18 Fed 2	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/08/23 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.

Project Information | Chain of Custody | Page 1 of 1

Client: Pima Environmental Services	Bill To
Project: Hackberry 18 Fed 2	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 1-34
Report due by:	

Lab Use Only: Lab WO# E302011 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
1:00	1/30/23	S	1	SW-1	1	X	
1:05	"	"	"	SW-2	2	"	
1:10	"	"	"	SW-3	3	"	
1:15	"	"	"	SW-4	4	"	

Additional Instructions: Bill To Devon Energy: # 20879759

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: Dominick Gonzales

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
Fred Rogers	2-1-23	2:00	Michelle Cuyes	2-1-23	1400
Michelle Cuyes	2-1-23	1700	Lorenzo Lei	2-1-23	1700
Lorenzo Lei	2-1-23	2308	Caitlin Christian	2/2/23	8:15

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.

envirotech

Envirotech Analytical Laboratory

Printed: 2/2/2023 9:21:37AM

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:	Pima Environmental Services-Carlsbad	Date Received:	02/02/23 08:15	Work Order ID:	E302011
Phone:	(575) 631-6977	Date Logged In:	02/01/23 16:23	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	02/08/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Snapping 2 State 4H
Work Order:	E304205
Job Number:	01058-0007
Received:	4/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/1/23

Date Reported: 5/1/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Snapping 2 State 4H
Workorder: E304205
Date Received: 4/28/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/28/2023 7:00:00AM, under the Project Name: Snapping 2 State 4H.

The analytical test results summarized in this report with the Project Name: Snapping 2 State 4H 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 reguarding 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
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/01/23 14:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E304205-01A	Soil	04/27/23	04/28/23	Glass Jar, 2 oz.
CSW1	E304205-02A	Soil	04/27/23	04/28/23	Glass Jar, 2 oz.
CSW2	E304205-03A	Soil	04/27/23	04/28/23	Glass Jar, 2 oz.
CSW3	E304205-04A	Soil	04/27/23	04/28/23	Glass Jar, 2 oz.
CSW4	E304205-05A	Soil	04/27/23	04/28/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

CS1

E304205-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Benzene	ND	0.0250	1	04/28/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/28/23	04/28/23	
Toluene	ND	0.0250	1	04/28/23	04/28/23	
o-Xylene	ND	0.0250	1	04/28/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/28/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/28/23	04/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	04/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/23	04/28/23	
Surrogate: n-Nonane		*83.0 %*	*50-200*	*04/28/23*	*04/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2317075
Chloride	ND	20.0	1	04/28/23	04/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

CSW1

E304205-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Benzene	ND	0.0250	1	04/28/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/28/23	04/28/23	
Toluene	ND	0.0250	1	04/28/23	04/28/23	
o-Xylene	ND	0.0250	1	04/28/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/28/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/28/23	04/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	04/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/23	04/28/23	
Surrogate: n-Nonane		*82.9 %*	*50-200*	*04/28/23*	*04/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2317075
Chloride	ND	20.0	1	04/28/23	04/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

CSW2

E304205-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Benzene	ND	0.0250	1	04/28/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/28/23	04/28/23	
Toluene	ND	0.0250	1	04/28/23	04/28/23	
o-Xylene	ND	0.0250	1	04/28/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/28/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/28/23	04/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	04/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/23	04/28/23	
Surrogate: n-Nonane		*83.2 %*	*50-200*	*04/28/23*	*04/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2317075
Chloride	ND	20.0	1	04/28/23	04/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

CSW3

E304205-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Benzene	ND	0.0250	1	04/28/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/28/23	04/28/23	
Toluene	ND	0.0250	1	04/28/23	04/28/23	
o-Xylene	ND	0.0250	1	04/28/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/28/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/28/23	04/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	04/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/23	04/28/23	
Surrogate: n-Nonane		*86.7 %*	*50-200*	*04/28/23*	*04/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2317075
Chloride	ND	20.0	1	04/28/23	04/28/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

CSW4

E304205-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Benzene	ND	0.0250	1	04/28/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/28/23	04/28/23	
Toluene	ND	0.0250	1	04/28/23	04/28/23	
o-Xylene	ND	0.0250	1	04/28/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/28/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/28/23	04/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2317071
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	04/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*04/28/23*	*04/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2317048
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/23	04/28/23	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*04/28/23*	*04/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2317075
Chloride	ND	20.0	1	04/28/23	04/28/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

Volatile Organics by EPA 8021B

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 (2317071-BLK1)									Prepared: 04/28/23 Analyzed: 04/28/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.42*		*8.00*		*92.8*	*70-130*			
LCS (2317071-BS1)									Prepared: 04/28/23 Analyzed: 04/28/23
Benzene	4.01	0.0250	5.00		80.2	70-130			
Ethylbenzene	4.35	0.0250	5.00		86.9	70-130			
Toluene	4.36	0.0250	5.00		87.2	70-130			
o-Xylene	4.50	0.0250	5.00		90.0	70-130			
p,m-Xylene	8.87	0.0500	10.0		88.7	70-130			
Total Xylenes	13.4	0.0250	15.0		89.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.51*		*8.00*		*93.9*	*70-130*			
LCS Dup (2317071-BSD1)									Prepared: 04/28/23 Analyzed: 04/28/23
Benzene	4.25	0.0250	5.00		85.0	70-130	5.76	20	
Ethylbenzene	4.65	0.0250	5.00		93.0	70-130	6.72	20	
Toluene	4.65	0.0250	5.00		92.9	70-130	6.31	20	
o-Xylene	4.79	0.0250	5.00		95.9	70-130	6.38	20	
p,m-Xylene	9.47	0.0500	10.0		94.7	70-130	6.59	20	
Total Xylenes	14.3	0.0250	15.0		95.1	70-130	6.52	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

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 (2317071-BLK1)									Prepared: 04/28/23 Analyzed: 04/28/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS (2317071-BS2)									Prepared: 04/28/23 Analyzed: 04/28/23
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.6*	*70-130*			
LCS Dup (2317071-BSD2)									Prepared: 04/28/23 Analyzed: 04/28/23
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.4	70-130	8.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2317048-BLK1)									Prepared: 04/27/23 Analyzed: 04/27/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.1*		*50.0*		*82.1*	*50-200*			
LCS (2317048-BS1)									Prepared: 04/27/23 Analyzed: 04/27/23
Diesel Range Organics (C10-C28)	229	25.0	250		91.5	38-132			
Surrogate: n-Nonane	*39.6*		*50.0*		*79.1*	*50-200*			
Matrix Spike (2317048-MS1)				**Source: E304190-01**					Prepared: 04/27/23 Analyzed: 04/27/23
Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.4	38-132			
Surrogate: n-Nonane	*37.9*		*50.0*		*75.8*	*50-200*			
Matrix Spike Dup (2317048-MSD1)				**Source: E304190-01**					Prepared: 04/27/23 Analyzed: 04/27/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.4	38-132	5.33	20	
Surrogate: n-Nonane	*39.8*		*50.0*		*79.5*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/1/2023 2:25:58PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2317075-BLK1)									Prepared: 04/28/23 Analyzed: 04/28/23
Chloride	ND	20.0							
LCS (2317075-BS1)									Prepared: 04/28/23 Analyzed: 04/28/23
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2317075-MS1)				**Source: E304205-01**					Prepared: 04/28/23 Analyzed: 04/28/23
Chloride	246	20.0	250	ND	98.3	80-120			
Matrix Spike Dup (2317075-MSD1)				**Source: E304205-01**					Prepared: 04/28/23 Analyzed: 04/28/23
Chloride	244	20.0	250	ND	97.6	80-120	0.717	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

Pima Environmental Services-Carlsbad	Project Name:	Snapping 2 State 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/01/23 14:25

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.

Project Information

Chain of Custody

Page 1 of 1

Client: Pima Environmental Services	Bill To
Project: Snapping 2 State 4H	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM. 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 1-235
Report due by:	

Lab Use Only: Lab WO# E304205 | Job Number 01058-0007

TAT: 1D X | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method

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
8:45	4/27/23	S	1	CS1	1							X		
8:50	"	"	"	CSW1	2							"		
8:55	"	"	"	CSW2	3							"		
9:00	"	"	"	CSW3	4							"		
9:05	"	"	"	CSW4	5							"		

Additional Instructions: Billing #: 211130337

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: Andrew Franco

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
AF	4-27-23	2:00	Maille Cruz	4-27-23	1400
Maille Cruz	4-27-23	1745	Andrew Musso	4-27-23	1800
Andrew Musso	4-27-23	2330	[illegible]	4/28/23	7:00

Lab Use Only: Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4.0

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

Envirotech Analytical Laboratory

Printed: 4/28/2023 11:37:39AM

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:	Pima Environmental Services-Carlsbad	Date Received:	04/28/23 07:00	Work Order ID:	E304205
Phone:	(575) 631-6977	Date Logged In:	04/27/23 16:25	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	04/28/23 17:00 (0 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

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 218304

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 218304
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	6/23/2023