

JAYHAWK 7 CTB 3

5/20/2024

OCD INCIDENT napp2414228862

<u>Spill Volume(Bbls) Calculator</u>	
<i>Inputs in blue , Outputs in red</i>	
<i>Contaminated Soil measurement</i>	
Area (square feet)	Depth(inches)
<u>1343.035</u>	<u>1.000</u>
Cubic Feet of Soil Impacted	<u>111.920</u>
Barrels of Soil Impacted	<u>19.95</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>2.99</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>2.99</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>1343.035</u>	<u>0.250</u>
Standing fluid	<u>4.988</u>
<u>Total fluids spilled</u>	<u>7.980</u>



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

June 25, 2024

Bureau of Land Management
 620 East Green St
 Carlsbad, NM, 88220

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

Re: Site Assessment and Closure Report
Jayhawk 7 CTB 3
API : N/A
GPS: Latitude 32.0545445 Longitude -103.506107
UL –J, Section 07, T26S, R34E
Lea County, NM
NMOCD Ref. No. NAPP2414228862

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment and has prepared this Closure Report for a produced water release that occurred at the Jayhawk 7 CTB 3 (Jayhawk). This incident was assigned Incident ID: NAPP2414228862, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Jayhawk is located approximately nineteen (19) miles southeast of Jal, NM. This spill site is in Unit J, Section 07, Township 26S, Range 34E, Latitude 32.0545445 Longitude -103.506107, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Alluvial and eolian deposits, and petrocalcic soils of the southern High Plains. Locally includes Qoa. The soil in this area is made up of Berino-Cacique association, hummocky according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Jayhawk (Figure 3).

Based on the well water data from the New Mexico Office of the State Engineer water well (C-04626) ,the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (BGS), positioned 0.49 miles away from the Jayhawk, drilled, June 9, 2022. Conversely, as per the United States Geological Survey well water data (USGS320419103302201), the nearest groundwater depth in this region is recorded at 170 feet BGS, situated approximately 1.56 miles away from the Jayhawk, with the last gauge conducted in 2012. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix B)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'(C-04626)	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

NAPP2414228862: On May 20, 2024, a pinhole on a reducer on a separator caused produced water spill on the ground. The released fluids were calculated to be approximately 8 barrels (bbls) of produced water. A vacuum truck was able to recover 4 bbls of standing fluid.

Site Assessment and Soil Sampling Results

On May 21, 2024, Pima mobilized personnel to the site to begin collecting soil samples from the spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

5-21-24 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Jayhawk 7 CTB 3								
Date: 5-21-24		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
S1	1'	ND	ND	ND	ND	ND	0	7810
	2'	ND	ND	ND	ND	ND	0	129
	3'	ND	ND	ND	ND	ND	0	48.1
	4'	ND	ND	ND	ND	ND	0	ND
S2	1'	ND	ND	ND	ND	ND	0	8240
	2'	ND	ND	ND	ND	ND	0	122
	3'	ND	ND	ND	ND	ND	0	36.2
	4'	ND	ND	ND	ND	ND	0	ND
S3	1'	ND	ND	ND	ND	ND	0	8800
	2'	ND	ND	ND	ND	ND	0	129
	3'	ND	ND	ND	ND	ND	0	65.7
	4'	ND	ND	ND	ND	ND	0	ND
S4	1'	ND	ND	ND	ND	ND	0	8240
	2'	ND	ND	ND	ND	ND	0	307
	3'	ND	ND	ND	ND	ND	0	34.9
	4'	ND	ND	ND	ND	ND	0	ND
S5	1'	ND	ND	ND	ND	ND	0	8880
	2'	ND	ND	ND	ND	ND	0	152
	3'	ND	ND	ND	ND	ND	0	74.5
	4'	ND	ND	ND	ND	ND	0	ND
S6	1'	ND	ND	ND	ND	ND	0	8350
	2'	ND	ND	ND	ND	ND	0	149
	3'	ND	ND	ND	ND	ND	0	35.2
	4'	ND	ND	ND	ND	ND	0	ND
SW1	0-4'	ND	ND	ND	ND	ND	0	ND
SW2	0-4'	ND	ND	ND	ND	ND	0	ND
SW3	0-4'	ND	ND	ND	ND	ND	0	ND
SW4	0-4'	ND	ND	ND	ND	ND	0	ND
SW5	0-4'	ND	ND	ND	ND	ND	0	ND
SW6	0-4'	ND	ND	ND	ND	ND	0	ND
BG1	0-4'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On June 20, 2024, after sending a 48-hour notification, application ID:355061 (Appendix C), Pima returned to the site to collect confirmation samples of the area. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

6-20-24 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Jayhawk 7 CTB 3								
Date: 6-20-24		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
CS1	Bottom	ND	ND	ND	ND	ND	0	1243
CS2	Bottom	ND	ND	ND	ND	ND	0	3254
CS3	Bottom	ND	ND	ND	ND	ND	0	5218
CS4	Bottom	ND	ND	ND	ND	ND	0	3256
CS5	Bottom	ND	ND	ND	ND	ND	0	2473
CS6	Bottom	ND	ND	ND	ND	ND	0	3657
CSW1	1'	ND	ND	ND	ND	ND	0	ND
CSW2	1'	ND	ND	ND	ND	ND	0	ND
CSW3	1'	ND	ND	ND	ND	ND	0	ND
CSW4	1'	ND	ND	ND	ND	ND	0	ND
CSW5	1'	ND	ND	ND	ND	ND	0	ND
CSW6	1'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory results can be found in Appendix D.

The sample results were below NMOCD Closure Criteria 19.15.29 NMAC. Based on these findings, no further remediation activities are required at this time. Based on the well water data from the New Mexico Office of the State Engineer water well (C-04626), the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (BGS), positioned 0.49 miles away from the Jayhawk, drilled, June 9, 2022.

Closure Request

After careful review, Pima requests that this incident, NAPP2414228862, be closed. Devon has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 575-964-7740 or gio@pimaoil.com.

Respectfully,

Gio Gomez



Project Manager

Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map

Appendices:

- Appendix A - Referenced Water Surveys
- Appendix B - Soil Survey and Geological Data
- Appendix C - 48 Hour Notification
- Appendix D - Photographic Documentation
- Appendix E - Laboratory Reports



Pima Environmental Services



Figures:

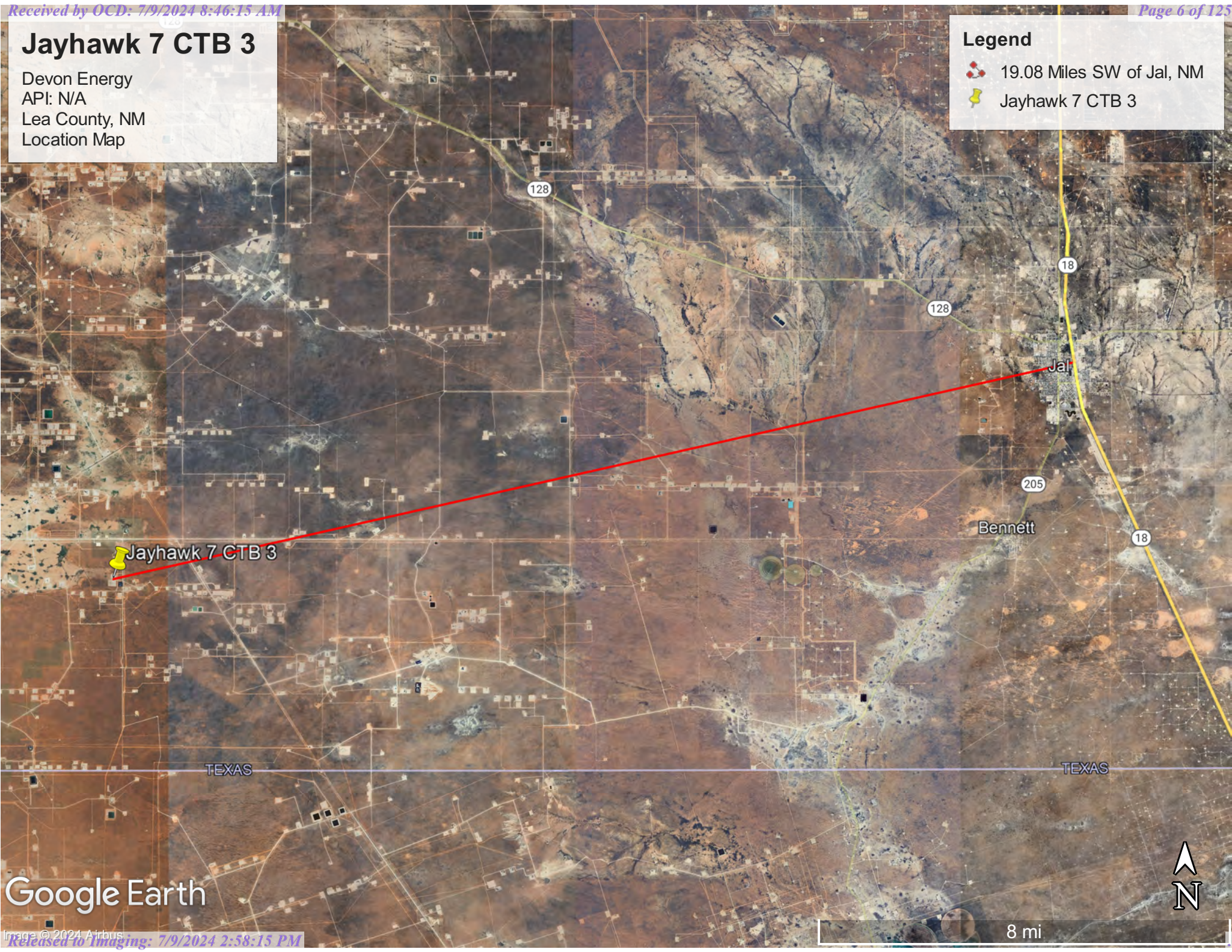
1. Locaton Map
2. Topographic Map
3. Karst Map
4. Site Map
5. Confirmation Sample Map

Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Location Map

Legend


-  19.08 Miles SW of Jal, NM
-  Jayhawk 7 CTB 3

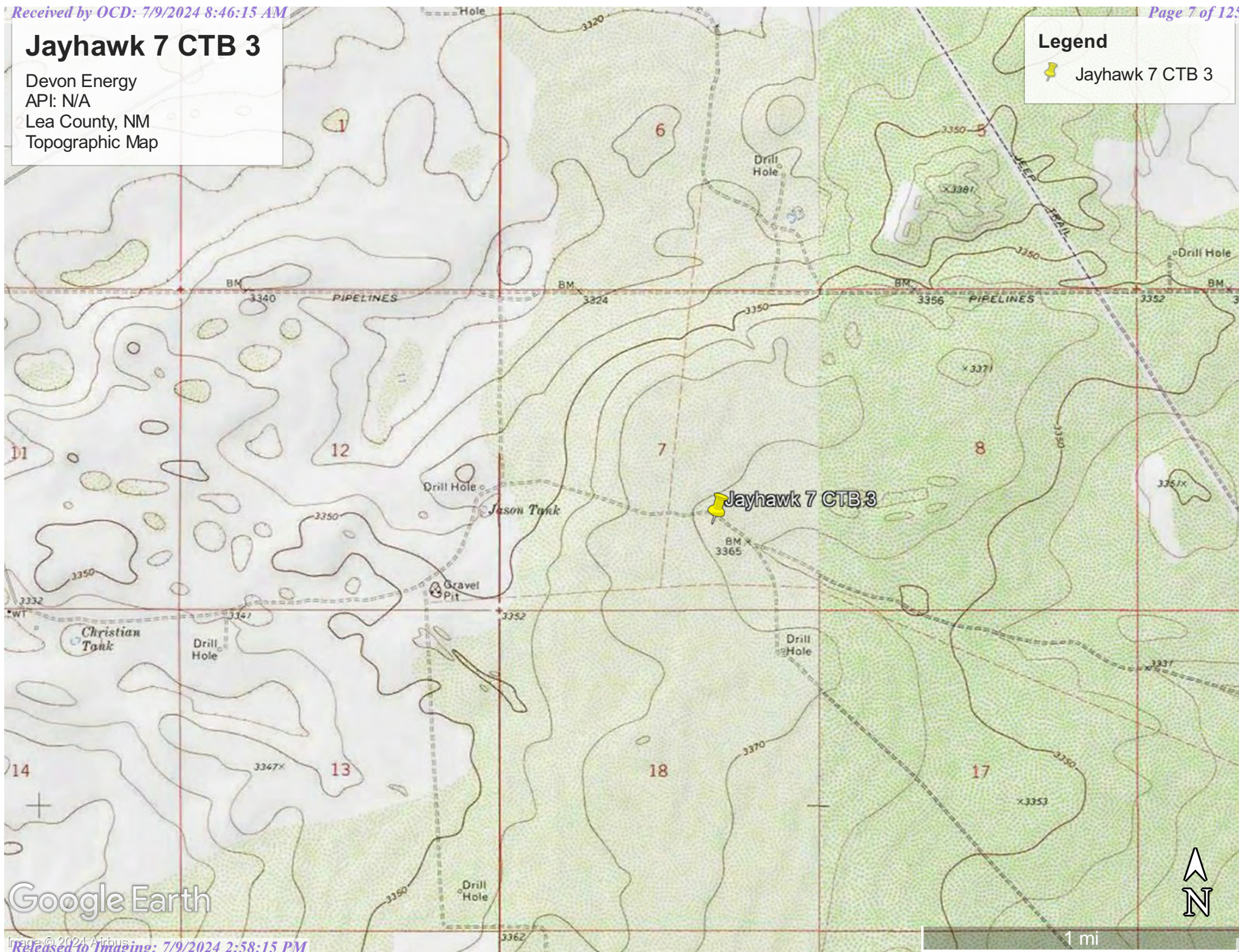


Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Topographic Map

Legend

 Jayhawk 7 CTB 3



Google Earth




1 mi

Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Karst Map

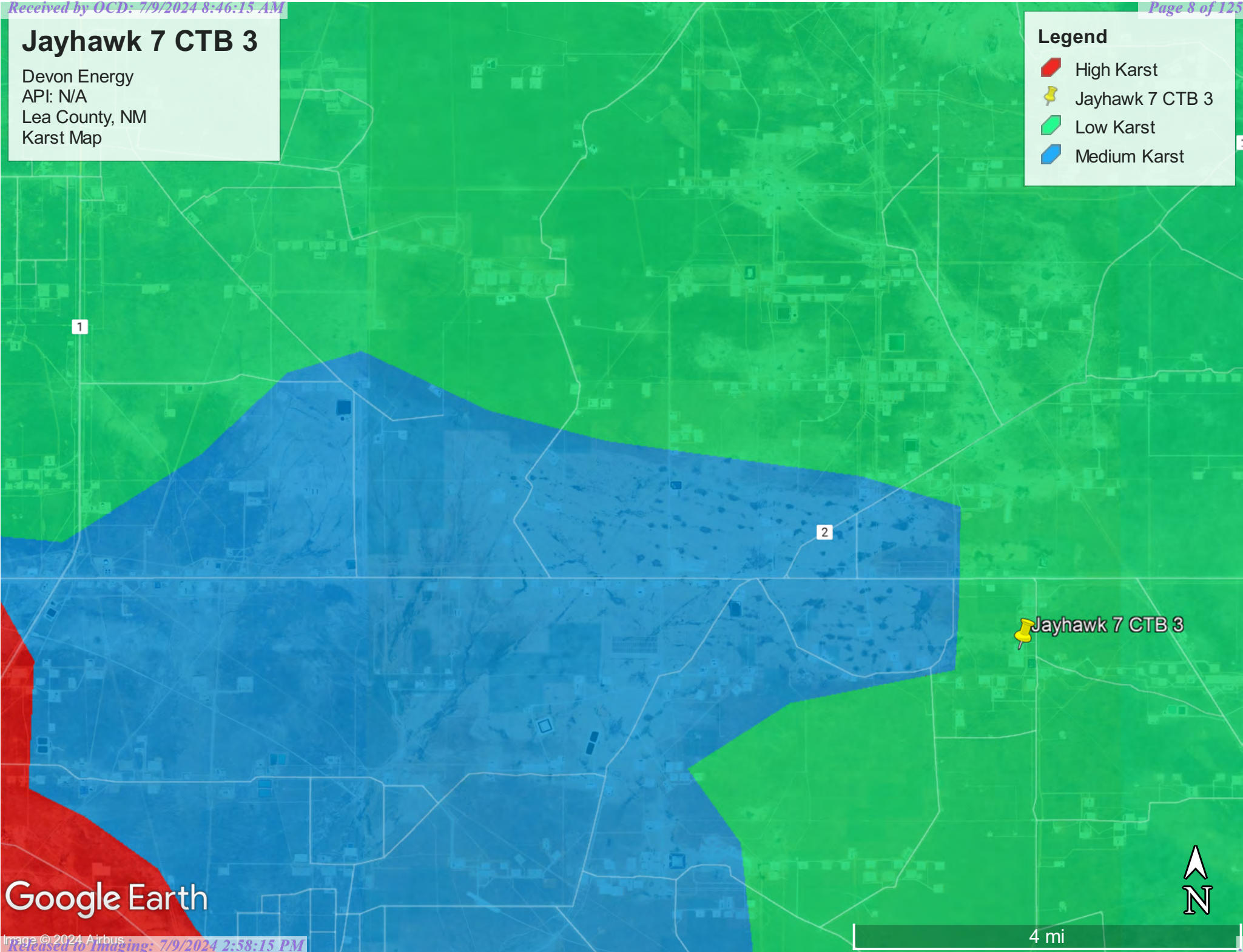
Legend

 High Karst

 Jayhawk 7 CTB 3

 Low Karst





 Medium Karst



Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Site Map

Legend

-  798 Sqft Jayhawk 7 CTB 3
-  Jayhawk 7 CTB 3
-  Samples
-  Sidewalls/Background



Google Earth

100 ft

Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Confirmation Map

Legend

- Confirmation Samples
- Jayhawk 7 CTB 3



Jayhawk 7 CTB 3

CSW1

CS2

CSW2

CS4

CSW3

CS6

CSW4

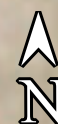
CS1

CS3

CS5

CSW6

CSW5



90 ft

Google Earth



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	DepthWell	DepthWater	Water Column
C 04626 POD1		CUB	LE	4	2	1	18	26S	34E	640644	3546672	874			
C 02295		CUB	LE	2	2	4	12	26S	33E	639865	3547624	1177	250	200	50
C 02292 POD1		CUB	LE	4	1	2	06	26S	34E	640992	3549987	2530	200	140	60
C 03442 POD1		C	LE	4	1	2	06	26S	34E	641056	3550028	2571	251		
C 03441 POD1		C	LE	4	1	2	06	26S	34E	640971	3550039	2583	250		
C 02291		CUB	LE	1	1	2	06	26S	34E	640825	3550140*	2690	220	160	60
C 04628 POD1		CUB	LE	1	1	2	01	26S	33E	639121	3550219	3358			
C 02293		CUB	LE	2	2	1	14	26S	33E	637501	3546975	3562	200	135	65
C 02294		CUB	LE	4	4	3	11	26S	33E	637465	3547003	3593	200	145	55

Average Depth to Water: **156 feet**

Minimum Depth: **135 feet**

Maximum Depth: **200 feet**

Record Count: 9

UTM NAD83 Radius Search (in meters):

Easting (X): 641030.48

Northing (Y): 3547456.89

Radius: 4000

*UTM location was derived from PLSS - see Help

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


4/10/24 11:24 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04626 POD1	4	2	1	18	26S	34E	640644	3546672 
x									
Driller License:		1249		Driller Company:		ATKINS ENGINEERING ASSOC. INC.			
Driller Name:		JACKIE ATKINS							
Drill Start Date:		06/09/2022		Drill Finish Date:		06/09/2022		Plug Date:	
Log File Date:		06/16/2022		PCW Rcv Date:				Source:	
Pump Type:				Pipe Discharge Size:				Estimated Yield:	
Casing Size:				Depth Well:				Depth Water:	
x									
Casing Perforations:					Top	Bottom			
					0	55			
x									

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

4/19/24 1:58 PM

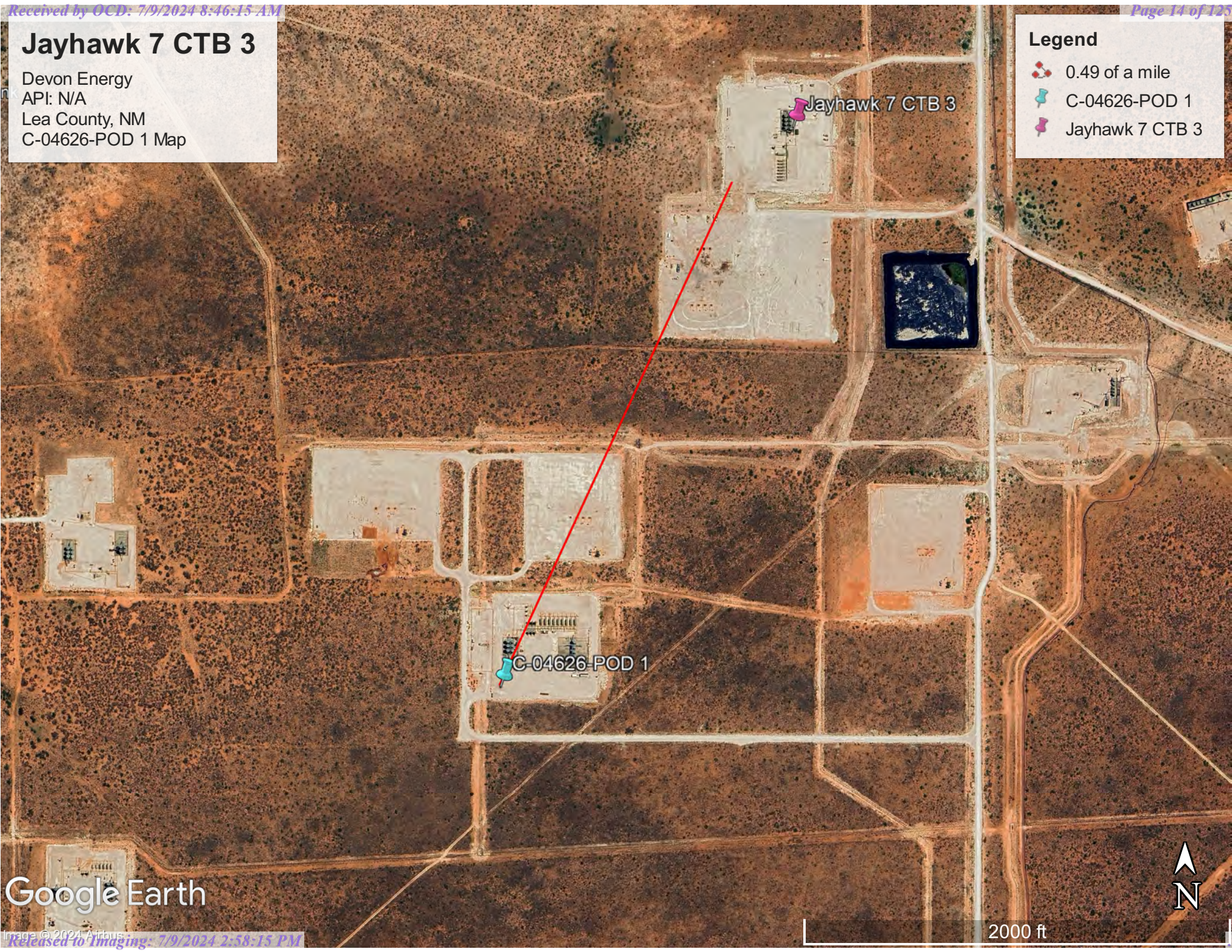
POINT OF DIVERSION SUMMARY

Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
C-04626-POD 1 Map

Legend

- 0.49 of a mile
- C-04626-POD 1
- Jayhawk 7 CTB 3



Google Earth



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News 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 =

- 320419103302201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320419103302201 26S.34E.06.21414

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°04'37.9", Longitude 103°30'20.5" NAD83

Land-surface elevation 3,319.00 feet above NGVD29

The depth of the well is 360 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

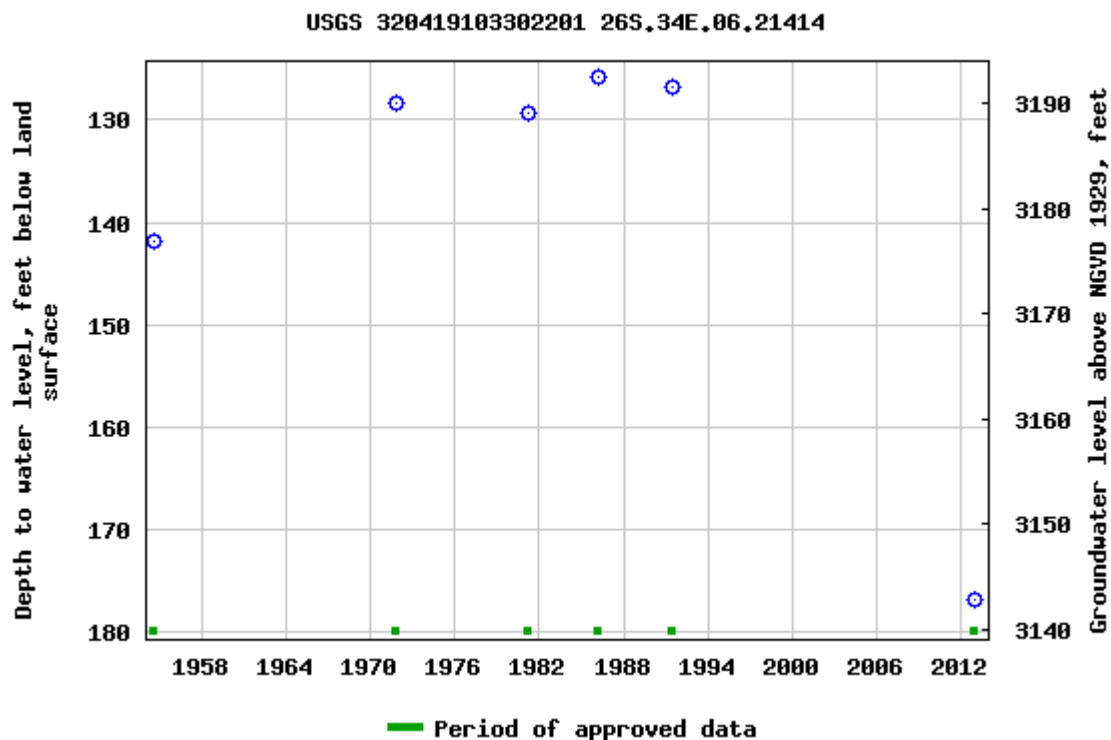
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

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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: 2024-04-10 11:25:14 EDT

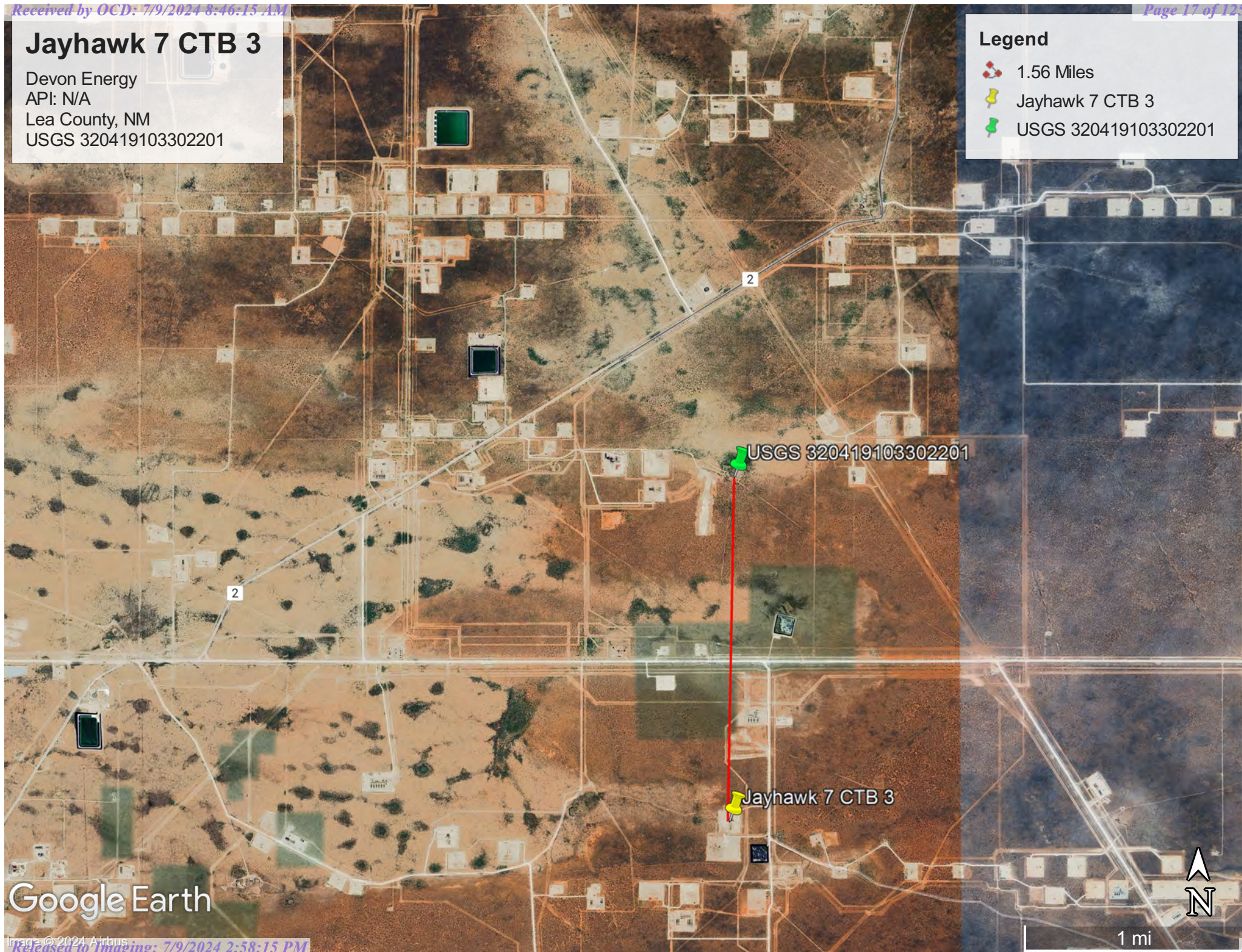
0.61 0.52 nadww02

Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
USGS 320419103302201

Legend

- 1.56 Miles
- Jayhawk 7 CTB 3
- USGS 320419103302201



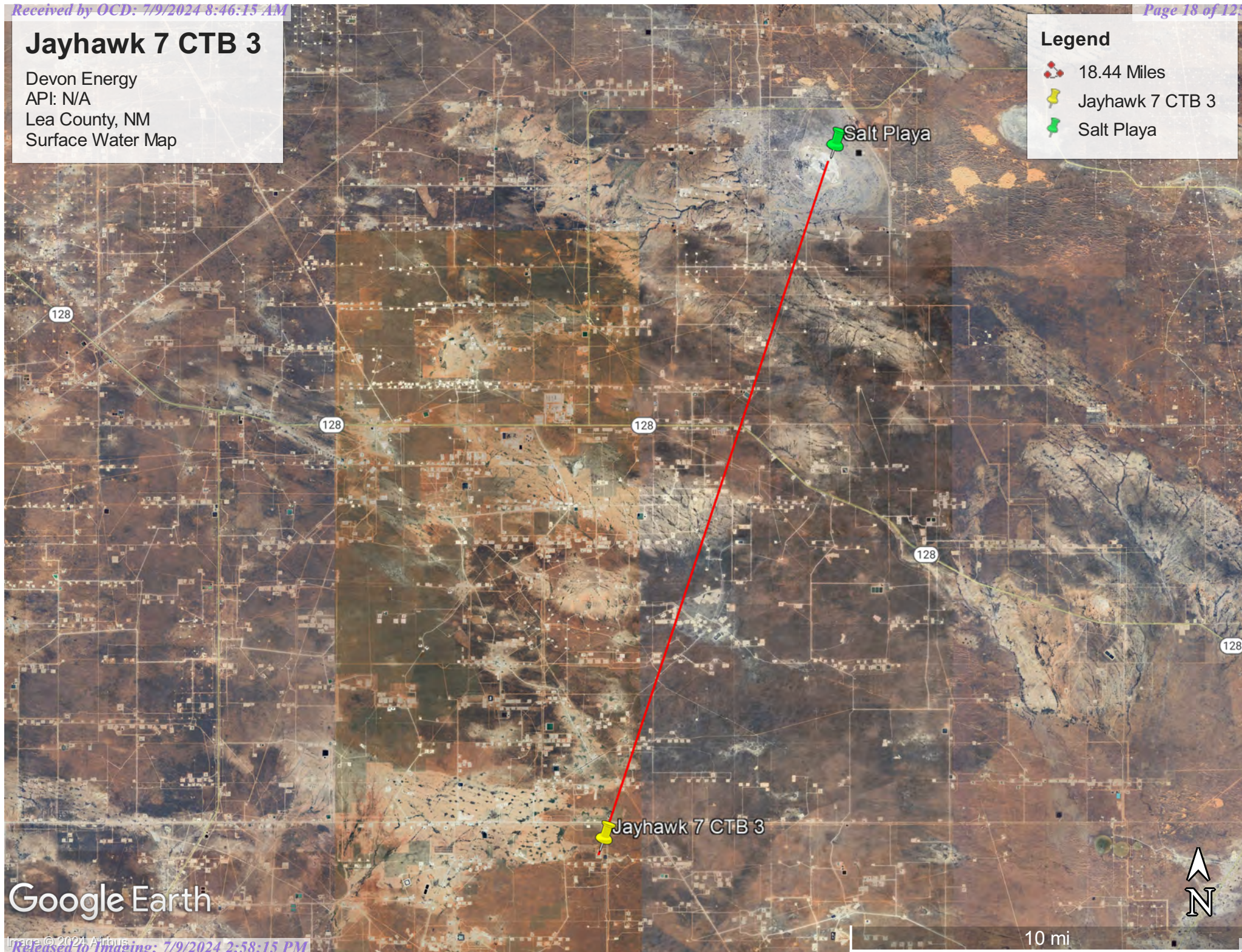
Google Earth

Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Surface Water Map

Legend

- 18.44 Miles
- Jayhawk 7 CTB 3
- Salt Playa



Google Earth



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Berino-Cacique association, hummocky---Lea County, New Mexico

Lea County, New Mexico

BH—Berino-Cacique association, hummocky

Map Unit Setting

National map unit symbol: dmpg

Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 13 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent

Cacique and similar soils: 40 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 10 inches: fine sand

Btk - 10 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: 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: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Moderate (about 8.5 inches)

Map Unit Description: Berino-Cacique association, hummocky---Lea County, New Mexico

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Cacique**Setting**

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous eolian deposits derived from
sedimentary rock

Typical profile

A - 0 to 7 inches: fine sand

Bt - 7 to 28 inches: sandy clay loam

Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: 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: 40 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0
mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: C

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Minor Components**Kermit**

Percent of map unit: 4 percent

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Maljamar

Percent of map unit: 3 percent

Map Unit Description: Berino-Cacique association, hummocky---Lea County, New Mexico

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Palomas

Percent of map unit: 2 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Dune land

Percent of map unit: 1 percent

Hydric soil rating: No

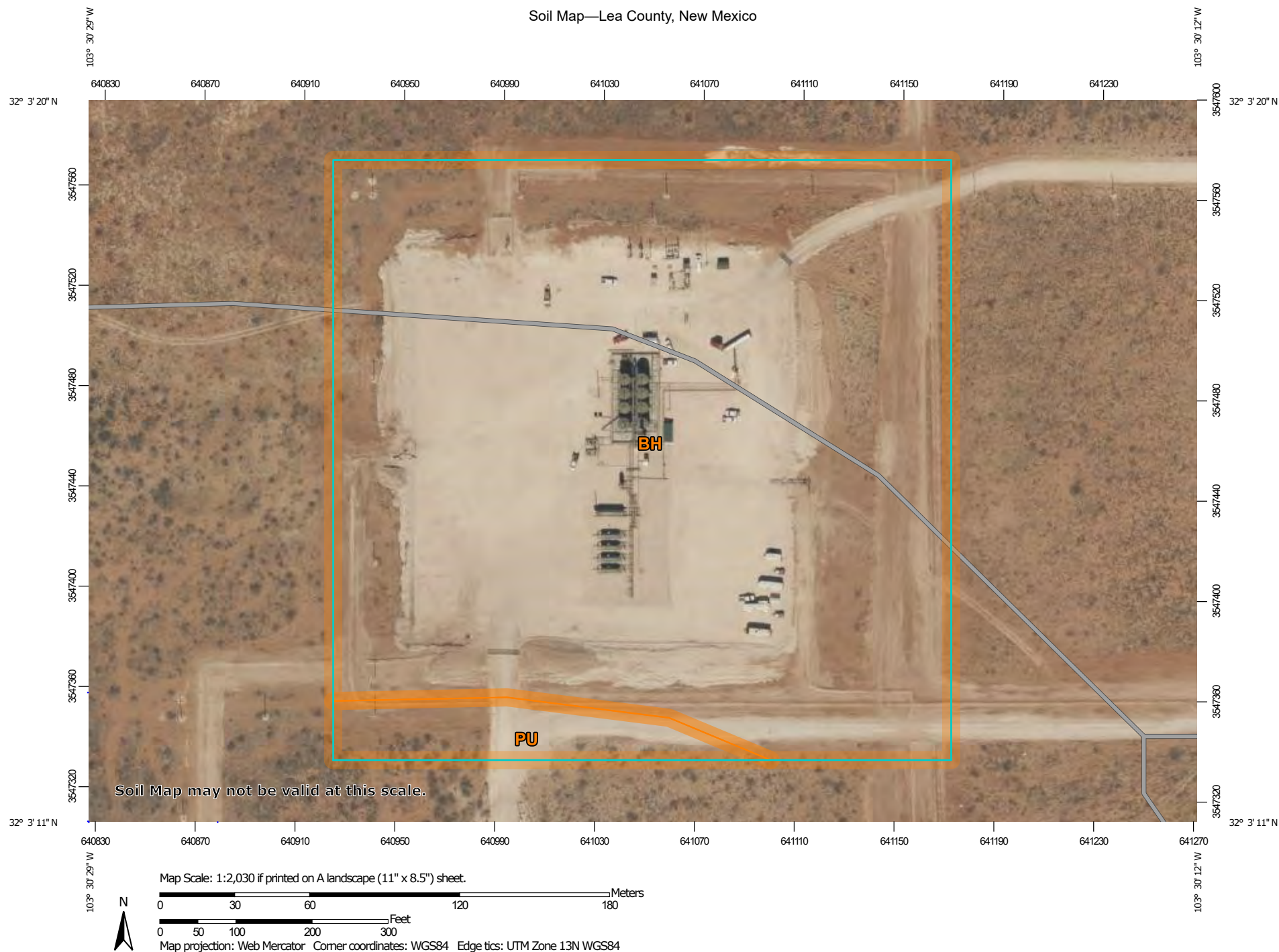
Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023



Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

6/25/2024
Page 1 of 3

Soil Map—Lea County, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.




Map Unit Legend


Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BH	Berino-Cacique association, hummocky	13.9	94.3%
PU	Pyote and Maljamar fine sands	0.8	5.7%
Totals for Area of Interest		14.7	100.0%

Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Geologic Units Map

Legend

-  Eolian and piedmont deposits
-  Jayhawk 7 CTB 3
-  Ogallala Formation

 Jayhawk 7 CTB 3

Google Earth



500 ft

Released to Imaging: 7/9/2024 2:58:15 PM

National Flood Hazard Layer FIRMette



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 X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
OTHER FEATURES		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
OTHER FEATURES		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
OTHER FEATURES		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
MAP PANELS		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/10/2024 at 11:28 AM 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.

LEA COUNTY
350130

T26S R34E S7

Zone D

X JAYHAWK 7 CTB 3

35025C2050D
12/16/2008
Not Printed

T26S R34E S18

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

1:6,000

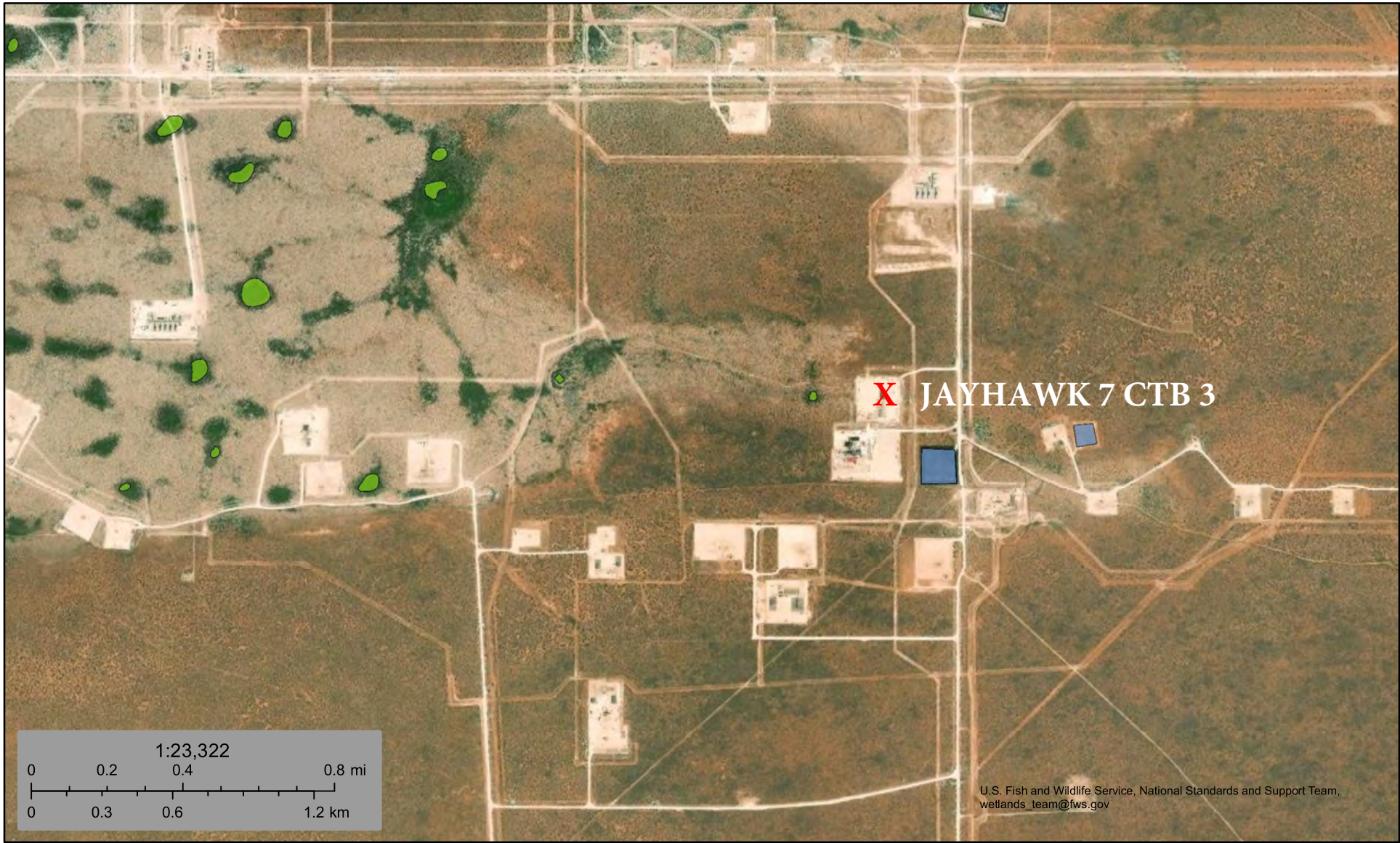
103°30'3"W 32°3'1"N

Basemap Imagery Source: USGS National Map 2023

Received by OCD: 7/9/2024 8:46:15 AM








Page 27 of 125

Wetlands



April 10, 2024

Wetlands

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

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



Pima Environmental Services

Appendix C
48-Hour Notification

lynsey@pimaoil.com

From: Gio PimaOil <gio@pimaoil.com>
Sent: Tuesday, June 25, 2024 3:52 PM
To: Lynsey Pima Oil
Subject: Fwd: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 355061

----- Forwarded message -----

From: Woodall, Dale <Dale.Woodall@dvn.com>
Date: Mon, Jun 17, 2024 at 1:24 PM
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 355061
To: Gio PimaOil <gio@pimaoil.com>, Andrew Pima Oil <andrew@pimaoil.com>

Dale Woodall

Environmental Professional

Hobbs, NM

Office: 575-748-1838

Mobile: 405-318-4697

Dale.Woodall@dvn.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, June 17, 2024 1:24 PM
To: Woodall, Dale <Dale.Woodall@dvn.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 355061

To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2414228862.

The sampling event is expected to take place:

When: 06/20/2024 @ 08:30

Where: J-07-26S-34E 1412 FSL 1753 FEL (32.0545445,-103.506107)

Additional Information: Andrew Franco -806-200-0054

Additional Instructions: J-07-26S-34E (32.0545445,-103.506107 NAD83) From the intersection of NM 128 and County Rd 2, travel south on County Rd 2 for 11.55 miles, turn east on Lease Rd for 2.57 miles, turn south on lease rd for 0.65 of a mile, turn west on lease Rd arriving to location.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**


If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive
Santa Fe, NM 87505

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

--


Project Manager
cell-806-782-1151
Office- 575-964-7740
Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

Photographic Documentation

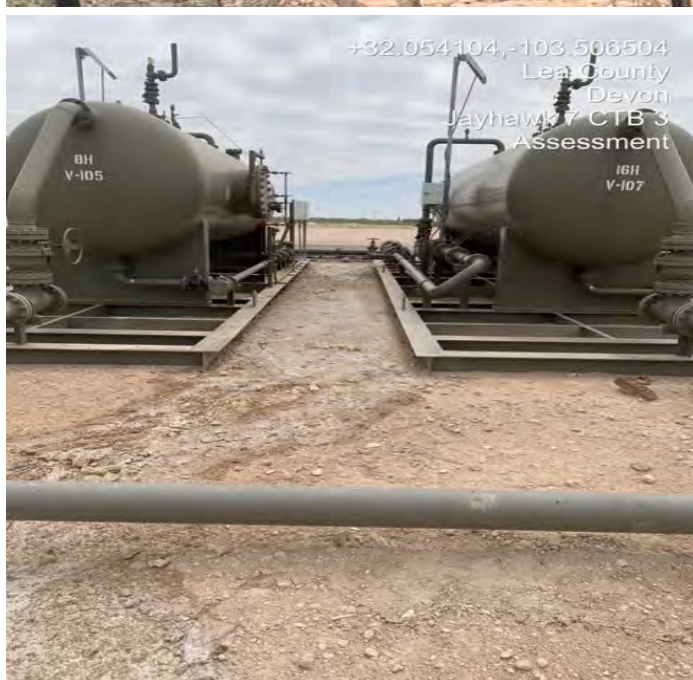


SITE PHOTOGRAPHS

DEVON ENERGY

Jayhawk 7 CTB 3

Assessment







Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Jayhawk 7 CTB 3

Work Order: E405325

Job Number: 01058-0007

Received: 5/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/4/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/4/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Jayhawk 7 CTB 3
Workorder: E405325
Date Received: 5/23/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2024 6:00:00AM, under the Project Name: Jayhawk 7 CTB 3.

The analytical test results summarized in this report with the Project Name: Jayhawk 7 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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

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

Field Offices:

Southern New Mexico Area

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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/04/24 12:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1- 1'	E405325-01A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S1- 2'	E405325-02A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S1- 3'	E405325-03A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S1- 4'	E405325-04A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S2 - 1'	E405325-05A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S2 - 2'	E405325-06A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S2 - 3'	E405325-07A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S2 - 4'	E405325-08A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S3 - 1'	E405325-09A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S3 - 2'	E405325-10A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S3 - 3'	E405325-11A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S3 - 4'	E405325-12A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S4 - 1'	E405325-13A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S4 - 2'	E405325-14A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S4 - 3'	E405325-15A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S4 - 4'	E405325-16A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S5 - 1'	E405325-17A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S5 - 2'	E405325-18A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S5 - 3'	E405325-19A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S5 - 4'	E405325-20A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Jayhawk 7 CTB 3 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/4/2024 12:42:03PM
---	---	----------------------------------

S1- 1'
E405325-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.5 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
Surrogate: n-Nonane	111 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	7810	100	5	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S1- 2'

E405325-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.7 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
Surrogate: n-Nonane	108 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	129	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S1- 3'

E405325-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	48.1	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 12:42:03PM

S1- 4'

E405325-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	ND	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 12:42:03PM

S2 - 1'

E405325-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	8240	100	5	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2 - 2'

E405325-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	92.5 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.9 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
Surrogate: n-Nonane	107 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	122	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2 - 3'

E405325-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	92.8 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.8 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
Surrogate: n-Nonane	108 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	36.2	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2 - 4'

E405325-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	ND	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3 - 1'

E405325-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	92.3 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.1 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
Surrogate: n-Nonane	112 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	8800	200	10	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3 - 2'

E405325-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	129	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3 - 3'

E405325-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	91.9 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.8 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
Surrogate: n-Nonane	107 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	65.7	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 12:42:03PM

S3 - 4'

E405325-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	ND	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 12:42:03PM

S4 - 1'

E405325-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.1 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	8240	200	10	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4 - 2'

E405325-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	307	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 12:42:03PM

S4 - 3'

E405325-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	34.9	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4 - 4'

E405325-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	ND	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S5 - 1'

E405325-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.4 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	8880	200	10	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S5 - 2'

E405325-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	91.5 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.7 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
Surrogate: n-Nonane	106 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	152	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S5 - 3'

E405325-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	90.7 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
Surrogate: n-Nonane	108 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	74.5	20.0	1	05/28/24	05/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 12:42:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S5 - 4'

E405325-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Benzene	ND	0.0250	1	05/24/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/24/24	06/01/24	
Toluene	ND	0.0250	1	05/24/24	06/01/24	
o-Xylene	ND	0.0250	1	05/24/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/24/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/24/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	90.0 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2421165	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/24/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.9 %	70-130		05/24/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422118	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/01/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/01/24	06/02/24	
Surrogate: n-Nonane	109 %	50-200		06/01/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2422037	
Chloride	ND	20.0	1	05/28/24	05/29/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 12:42:03PM

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 (2421165-BLK1) Prepared: 05/24/24 Analyzed: 05/31/24

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	7.21		8.00		90.2	70-130			

LCS (2421165-BS1) Prepared: 05/24/24 Analyzed: 05/31/24

Benzene	3.89	0.0250	5.00		77.8	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.5	70-130			
Toluene	4.45	0.0250	5.00		88.9	70-130			
o-Xylene	4.65	0.0250	5.00		93.1	70-130			
p,m-Xylene	9.41	0.0500	10.0		94.1	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.1	70-130			

LCS Dup (2421165-BS1) Prepared: 05/24/24 Analyzed: 05/31/24

Benzene	3.93	0.0250	5.00		78.6	70-130	1.07	20	
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130	0.986	20	
Toluene	4.49	0.0250	5.00		89.7	70-130	0.918	20	
o-Xylene	4.71	0.0250	5.00		94.2	70-130	1.16	20	
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130	0.885	20	
Total Xylenes	14.2	0.0250	15.0		94.7	70-130	0.977	20	
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 12:42:03PM

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 (2421165-BLK1) Prepared: 05/24/24 Analyzed: 05/31/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.8	70-130			

LCS (2421165-BS2) Prepared: 05/24/24 Analyzed: 05/31/24

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.13		8.00		102	70-130			

LCS Dup (2421165-BSD2) Prepared: 05/24/24 Analyzed: 05/31/24

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.9	70-130	2.70	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 12:42:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2422118-BLK1)					Prepared: 06/01/24 Analyzed: 06/02/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			

LCS (2422118-BS1)					Prepared: 06/01/24 Analyzed: 06/02/24				
Diesel Range Organics (C10-C28)	288	25.0	250		115	38-132			
Surrogate: n-Nonane	53.8		50.0		108	50-200			

LCS Dup (2422118-BSD1)					Prepared: 06/01/24 Analyzed: 06/02/24				
Diesel Range Organics (C10-C28)	284	25.0	250		113	38-132	1.51	20	
Surrogate: n-Nonane	53.7		50.0		107	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 12:42:03PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2422037-BLK1)					Prepared: 05/28/24 Analyzed: 05/29/24				
Chloride	ND	20.0							
LCS (2422037-BS1)					Prepared: 05/28/24 Analyzed: 05/29/24				
Chloride	255	20.0	250		102	90-110			
LCS Dup (2422037-BSD1)					Prepared: 05/28/24 Analyzed: 05/29/24				
Chloride	254	20.0	250		101	90-110	0.559	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:	Jayhawk 7 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/04/24 12:42

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- 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 4

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: Jayhawk 7 CTB 3					Attention: Devon		Lab WO# E405325		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Gio Gomez					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 806-782-1151					Email:											
Email: gio@pimaoil.com					Pima Project # 360-3											
Report due by:																
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		BDOC NM	BDOC TX	State	
8:30	5/21	S	1	S1-1'	1								X		NM	CO
8:39				S1-2'	2										UT	AZ
8:47				S1-3'	3											TX
8:56				S1-4'	4											
9:04				S2-1'	5											
9:11				S2-2'	6											
9:17				S2-3'	7											
9:21				S2-4'	8											
9:30				S3-1'	9											
9:36				S3-2'	10											
Additional Instructions: B# 21344674																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
Karime Adame		5/22/24	12:56	Michelle Gonzales		5-22-24	1256	Received on ice: (Y) / N								
Michelle Gonzales		5-22-24	1545	J.M.		5-22-24	1745	T1 T2 T3								
J.M.		5-22-24	2400	J.M.		5/23/24	0600	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.																

Project Information

Chain of Custody

Page 2 of 4

Client: Pima Environmental Services Project: <u>Japhawik 7CTB 3</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>360-3</u>					Lab Use Only Lab WO# <u>E405325</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
														RCRA						
														State NM CO UT AZ TX						
														Remarks						
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							
9:40	5/21	S	1	S3-3'	11							X								
9:51				S3-4'	12															
9:56				S4-1'	13															
10:06				S4-2'	14															
10:17				S4-3'	15															
10:21				S4-4'	16															
10:30				S5-1'	17															
10:39				S5-2'	18															
10:42				S5-3'	19															
10:53				S5-4'	20															
Additional Instructions: <u>B# 21344674</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) <u>Karine Adame</u> Date <u>5/22/24</u> Time <u>12:56</u>												Received by: (Signature) <u>Michelle Gonzales</u> Date <u>5-22-24</u> Time <u>1256</u>								
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>5-22-24</u> Time <u>1545</u>												Received by: (Signature) <u>L. J.</u> Date <u>5-22-24</u> Time <u>1745</u>								
Relinquished by: (Signature) <u>L. J.</u> Date <u>5-22-24</u> Time <u>2400</u>												Received by: (Signature) <u>[Signature]</u> Date <u>5/23/24</u> Time <u>0600</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 5/24/2024 1:07:08PM

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:	05/23/24 06:00	Work Order ID:	E405325
Phone:	(575) 631-6977	Date Logged In:	05/23/24 08:21	Logged In By:	Angelina Pineda
Email:	gio@pimaoil.com	Due Date:	05/30/24 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Jayhawk 7 CTB 3 has been separated into multiple workorders due to high sample volume. WO are as follows: E405325, 405326.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Jayhawk 7 CTB 3

Work Order: E405326

Job Number: 01058-0007

Received: 5/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/4/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/4/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Jayhawk 7 CTB 3
Workorder: E405326
Date Received: 5/23/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2024 6:00:00AM, under the Project Name: Jayhawk 7 CTB 3.

The analytical test results summarized in this report with the Project Name: Jayhawk 7 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/04/24 13:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	E405326-01A	Solid	05/21/24	05/23/24	Glass Jar, 2 oz.
SW2	E405326-02A	Solid	05/21/24	05/23/24	Glass Jar, 2 oz.
SW3	E405326-03A	Solid	05/21/24	05/23/24	Glass Jar, 2 oz.
SW4	E405326-04A	Solid	05/21/24	05/23/24	Glass Jar, 2 oz.
SW5	E405326-05A	Solid	05/21/24	05/23/24	Glass Jar, 2 oz.
SW6	E405326-06A	Solid	05/21/24	05/23/24	Glass Jar, 2 oz.
BG1	E405326-07A	Solid	05/21/24	05/23/24	Glass Jar, 2 oz.
S6 - 1'	E405326-08A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S6 - 2'	E405326-09A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S6 - 3'	E405326-10A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.
S6 - 4'	E405326-11A	Soil	05/21/24	05/23/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Jayhawk 7 CTB 3 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/4/2024 1:18:03PM
---	---	---------------------------------

SW1

E405326-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	93.4 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane	113 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	ND	20.0	1	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW2

E405326-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	93.0 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane	112 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	ND	20.0	1	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW3

E405326-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	92.6 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane	114 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	ND	20.0	1	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW4

E405326-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	92.7 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane	112 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	ND	20.0	1	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW5

E405326-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane	119 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	ND	20.0	1	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW6

E405326-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	92.1 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	109 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane	113 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	ND	20.0	1	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

BG1

E405326-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	109 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane	112 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	ND	20.0	1	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S6 - 1'

E405326-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	91.5 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	8350	200	10	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S6 - 2'

E405326-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	92.8 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane	112 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	149	20.0	1	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S6 - 3'

E405326-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
Surrogate: 4-Bromochlorobenzene-PID	92.1 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
Surrogate: n-Nonane	111 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	35.2	20.0	1	05/30/24	05/30/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/4/2024 1:18:03PM

S6 - 4'

E405326-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Benzene	ND	0.0250	1	05/28/24	06/01/24	
Ethylbenzene	ND	0.0250	1	05/28/24	06/01/24	
Toluene	ND	0.0250	1	05/28/24	06/01/24	
o-Xylene	ND	0.0250	1	05/28/24	06/01/24	
p,m-Xylene	ND	0.0500	1	05/28/24	06/01/24	
Total Xylenes	ND	0.0250	1	05/28/24	06/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2422027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/24	06/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		05/28/24	06/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2422092	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/24	06/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/24	06/02/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/30/24	06/02/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2422078	
Chloride	ND	20.0	1	05/30/24	05/30/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2422027-BLK1)

Prepared: 05/28/24 Analyzed: 06/01/24

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	7.61		8.00		95.2	70-130			

LCS (2422027-BS1)

Prepared: 05/28/24 Analyzed: 06/01/24

Benzene	5.15	0.0250	5.00		103	70-130			
Ethylbenzene	4.85	0.0250	5.00		97.0	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	4.96	0.0250	5.00		99.2	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

LCS Dup (2422027-BSD1)

Prepared: 05/28/24 Analyzed: 06/01/24

Benzene	5.10	0.0250	5.00		102	70-130	1.03	20	
Ethylbenzene	4.83	0.0250	5.00		96.7	70-130	0.326	20	
Toluene	5.03	0.0250	5.00		101	70-130	0.845	20	
o-Xylene	4.94	0.0250	5.00		98.9	70-130	0.321	20	
p,m-Xylene	9.94	0.0500	10.0		99.4	70-130	0.268	20	
Total Xylenes	14.9	0.0250	15.0		99.3	70-130	0.286	20	
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/4/2024 1:18:03PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2422027-BLK1) Prepared: 05/28/24 Analyzed: 06/01/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.62		8.00		108	70-130			

LCS (2422027-BS2) Prepared: 05/28/24 Analyzed: 06/01/24

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.79		8.00		110	70-130			

LCS Dup (2422027-BSD2) Prepared: 05/28/24 Analyzed: 06/01/24

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.3	70-130	0.295	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.74		8.00		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 1:18:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2422092-BLK1)					Prepared: 05/30/24 Analyzed: 06/01/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			

LCS (2422092-BS1)					Prepared: 05/30/24 Analyzed: 06/01/24				
Diesel Range Organics (C10-C28)	296	25.0	250		118	38-132			
Surrogate: n-Nonane	56.6		50.0		113	50-200			

LCS Dup (2422092-BSD1)					Prepared: 05/30/24 Analyzed: 06/01/24				
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132	2.89	20	
Surrogate: n-Nonane	55.3		50.0		111	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/4/2024 1:18:03PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2422078-BLK1)					Prepared: 05/30/24 Analyzed: 05/30/24				
Chloride	ND	20.0							
LCS (2422078-BS1)					Prepared: 05/30/24 Analyzed: 05/30/24				
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2422078-BSD1)					Prepared: 05/30/24 Analyzed: 05/30/24				
Chloride	250	20.0	250		99.9	90-110	0.273	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:	Jayhawk 7 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/04/24 13:18

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- 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 3 of 4

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: Jayhawk TCTB 3					Attention: Devon		Lab WO# E 405326		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Gio Gomez					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip Hobbs, NM, 88240					Phone:											
Phone: 806-782-1151					Email:											
Email: gio@pimaoil.com					Pima Project # 360-3											
Report due by:																
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	State		
														NM	CO	UT
														AZ	TX	
Remarks																
11:02	5/21	S	1	SW1	1							X				
11:11				SW2	2											
11:18				SW3	3											
11:25				SW4	4											
11:30				SW5	5											
11:36				SW6	6											
11:41				BG1	7											
Additional Instructions: B# 21344674																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
Karime Atame		5/22/24	12:56	Michelle Gonzalez		5-22-24	1256	Received on ice: Y / N								
Michelle Gonzalez		5-22-24	1545	L.M.		5-22-24	1745	T1 T2 T3								
L.M.		5-22-24	2400	L.M.		5/23/24	0600	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.																

Chain of Custody



Envirotech Analytical Laboratory

Printed: 5/24/2024 1:17:00PM

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:	05/23/24 06:00	Work Order ID:	E405326
Phone:	(575) 631-6977	Date Logged In:	05/23/24 08:29	Logged In By:	Angelina Pineda
Email:	gio@pimaoil.com	Due Date:	05/30/24 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Jayhawk 7 CTB 3 has been separated into multiple workorders due to high sample volume. WO are as follows: E405325, 405326.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Jayhawk 7 CTB 3

Work Order: E406198

Job Number: 01058-0007

Received: 6/21/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/24/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/24/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Jayhawk 7 CTB 3
Workorder: E406198
Date Received: 6/21/2024 5:30:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/21/2024 5:30:00AM, under the Project Name: Jayhawk 7 CTB 3.

The analytical test results summarized in this report with the Project Name: Jayhawk 7 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 06/24/24 16:20
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-Bottom	E406198-01A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CS2-Bottom	E406198-02A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CS3-Bottom	E406198-03A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CS4-Bottom	E406198-04A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CS5-Bottom	E406198-05A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CS6-Bottom	E406198-06A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CSW1	E406198-07A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CSW2	E406198-08A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CSW3	E406198-09A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CSW4	E406198-10A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CSW5	E406198-11A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.
CSW6	E406198-12A	Soil	06/20/24	06/21/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Jayhawk 7 CTB 3 Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/24/2024 4:20:10PM
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CS1-Bottom
E406198-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		112 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		106 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		112 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		106 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2425094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/21/24	
Surrogate: n-Nonane		104 %	50-200	06/21/24	06/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2425101	
Chloride	1243	20.0	1	06/21/24	06/21/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/24/2024 4:20:10PM

CS2-Bottom

E406198-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		106 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		106 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2425094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/21/24	
Surrogate: n-Nonane		100 %	50-200	06/21/24	06/21/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425101
Chloride	3254	20.0	1	06/21/24	06/21/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS3-Bottom
E406198-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		109 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		106 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		109 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		106 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2425094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/21/24	
Surrogate: n-Nonane		102 %	50-200	06/21/24	06/21/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425101
Chloride	5218	20.0	1	06/21/24	06/21/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/24/2024 4:20:10PM

CS4-Bottom

E406198-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		105 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		107 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		105 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		107 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2425094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/24/24	
Surrogate: n-Nonane		99.5 %	50-200	06/21/24	06/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425101
Chloride	3256	20.0	1	06/21/24	06/21/24	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
6/24/2024 4:20:10PM

CS5-Bottom

E406198-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		105 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		111 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		105 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		111 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2425094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/24/24	
Surrogate: n-Nonane		109 %	50-200	06/21/24	06/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425101
Chloride	2473	20.0	1	06/21/24	06/21/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS6-Bottom
E406198-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		104 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		113 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		104 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		113 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2425094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/24/24	
Surrogate: n-Nonane		108 %	50-200	06/21/24	06/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2425101	
Chloride	3657	20.0	1	06/21/24	06/21/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW1

E406198-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		105 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		107 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		105 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		107 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2425094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/24/24	
Surrogate: n-Nonane		106 %	50-200	06/21/24	06/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425101
Chloride	ND	20.0	1	06/21/24	06/21/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW2

E406198-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		103 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		111 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		103 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		111 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2425094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/24/24	
Surrogate: n-Nonane		109 %	50-200	06/21/24	06/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2425101	
Chloride	ND	20.0	1	06/21/24	06/21/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW3

E406198-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		104 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		107 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		104 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		107 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2425094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/24/24	
Surrogate: n-Nonane		106 %	50-200	06/21/24	06/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2425101	
Chloride	ND	20.0	1	06/21/24	06/22/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW4

E406198-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		107 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		88.9 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		105 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		107 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		88.9 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		105 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2425094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/24/24	
Surrogate: n-Nonane		109 %	50-200	06/21/24	06/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2425101	
Chloride	ND	20.0	1	06/21/24	06/22/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW5

E406198-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		109 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		104 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2425093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		109 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		104 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2425094
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/24/24	
Surrogate: n-Nonane		73.3 %	50-200	06/21/24	06/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2425101
Chloride	ND	20.0	1	06/21/24	06/22/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW6

E406198-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Benzene	ND	0.0250	1	06/21/24	06/21/24	
Ethylbenzene	ND	0.0250	1	06/21/24	06/21/24	
Toluene	ND	0.0250	1	06/21/24	06/21/24	
o-Xylene	ND	0.0250	1	06/21/24	06/21/24	
p,m-Xylene	ND	0.0500	1	06/21/24	06/21/24	
Total Xylenes	ND	0.0250	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		105 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2425093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/24	06/21/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/21/24	06/21/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	06/21/24	06/21/24	
Surrogate: Toluene-d8		105 %	70-130	06/21/24	06/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2425094	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/24	06/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/24	06/24/24	
Surrogate: n-Nonane		109 %	50-200	06/21/24	06/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2425101	
Chloride	ND	20.0	1	06/21/24	06/22/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2425093-BLK1) Prepared: 06/21/24 Analyzed: 06/21/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500		89.1	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2425093-BS1) Prepared: 06/21/24 Analyzed: 06/21/24

Benzene	2.17	0.0250	2.50		86.9	70-130			
Ethylbenzene	2.30	0.0250	2.50		91.9	70-130			
Toluene	2.27	0.0250	2.50		90.8	70-130			
o-Xylene	2.41	0.0250	2.50		96.4	70-130			
p,m-Xylene	4.83	0.0500	5.00		96.6	70-130			
Total Xylenes	7.24	0.0250	7.50		96.5	70-130			
Surrogate: Bromofluorobenzene	0.582		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

Matrix Spike (2425093-MS1) Source: E406198-12 Prepared: 06/21/24 Analyzed: 06/22/24

Benzene	2.17	0.0250	2.50	ND	86.8	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	91.9	45-135			
Toluene	2.35	0.0250	2.50	ND	93.9	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.8	43-135			
p,m-Xylene	4.75	0.0500	5.00	ND	95.0	43-135			
Total Xylenes	7.12	0.0250	7.50	ND	94.9	43-135			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike Dup (2425093-MSD1) Source: E406198-12 Prepared: 06/21/24 Analyzed: 06/22/24

Benzene	2.15	0.0250	2.50	ND	86.1	48-131	0.833	23	
Ethylbenzene	2.21	0.0250	2.50	ND	88.6	45-135	3.66	27	
Toluene	2.28	0.0250	2.50	ND	91.1	48-130	3.05	24	
o-Xylene	2.34	0.0250	2.50	ND	93.7	43-135	1.19	27	
p,m-Xylene	4.62	0.0500	5.00	ND	92.4	43-135	2.77	27	
Total Xylenes	6.96	0.0250	7.50	ND	92.8	43-135	2.24	27	
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 6/24/2024 4:20:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2425093-BLK1) Prepared: 06/21/24 Analyzed: 06/21/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500		89.1	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2425093-BS2) Prepared: 06/21/24 Analyzed: 06/21/24

Gasoline Range Organics (C6-C10)	57.4	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.1	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike (2425093-MS2) Source: E406198-12 Prepared: 06/21/24 Analyzed: 06/22/24

Gasoline Range Organics (C6-C10)	37.5	20.0	50.0	ND	75.0	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike Dup (2425093-MSD2) Source: E406198-12 Prepared: 06/21/24 Analyzed: 06/22/24

Gasoline Range Organics (C6-C10)	38.2	20.0	50.0	ND	76.4	70-130	1.95	20	
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.5	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/24/2024 4:20:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2425094-BLK1) Prepared: 06/21/24 Analyzed: 06/24/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			

LCS (2425094-BS1) Prepared: 06/21/24 Analyzed: 06/24/24

Diesel Range Organics (C10-C28)	317	25.0	250		127	38-132			
Surrogate: n-Nonane	58.5		50.0		117	50-200			

Matrix Spike (2425094-MS1) Source: E406198-07 Prepared: 06/21/24 Analyzed: 06/24/24

Diesel Range Organics (C10-C28)	304	25.0	250	ND	121	38-132			
Surrogate: n-Nonane	55.7		50.0		111	50-200			

Matrix Spike Dup (2425094-MSD1) Source: E406198-07 Prepared: 06/21/24 Analyzed: 06/24/24

Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132	1.50	20	
Surrogate: n-Nonane	53.8		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	6/24/2024 4:20:10PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2425101-BLK1)					Prepared: 06/21/24 Analyzed: 06/21/24				
Chloride	ND	20.0							
LCS (2425101-BS1)					Prepared: 06/21/24 Analyzed: 06/21/24				
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2425101-MS1)					Source: E406198-01		Prepared: 06/21/24 Analyzed: 06/21/24		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2425101-MSD1)					Source: E406198-01		Prepared: 06/21/24 Analyzed: 06/22/24		
Chloride	257	20.0	250	ND	103	80-120	1.93	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:	Jayhawk 7 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/24/24 16:20

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- 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 Project: Jayhawk CTB3 Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 360-3					Lab Use Only Lab WO# E406198 Job Number 21058-0007 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					TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>				EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks														
8:40	6/20	S	1	CS1 - Bottom	1	X														
8:43				CS2 - Bottom	2															
8:51				CS3 - Bottom	3															
8:59				CS4 - Bottom	4															
9:11				CS5 - Bottom	5															
9:17				CS6 - Bottom	6															
9:21				CSW1	7															
9:35				CSW2	8															
9:40				CSW3	9															
9:42				CSW4	10															
Additional Instructions: B#21344674																				
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.																				
Relinquished by: (Signature) <u>Karime Adame</u> Date <u>6/20/24</u> Time <u>1309</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>6/20/24</u> Time <u>1630</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>6.20.24</u> Time <u>2400</u>																				
Received by: (Signature) <u>[Signature]</u> Date <u>6/20/24</u> Time <u>1319</u>																				
Received by: (Signature) <u>[Signature]</u> Date <u>6.20.24</u> Time <u>1830</u>																				
Received by: (Signature) <u>Kayla R Hall</u> Date <u>6-21-24</u> Time <u>0530</u>																				
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.																				
Received on ice: <u>Y</u> / N																				
T1 _____ T2 _____ T3 _____																				
AVG Temp °C <u>4</u>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Chain of Custody



Envirotech Analytical Laboratory

Printed: 6/21/2024 3:30:23PM

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:	06/21/24 05:30	Work Order ID:	E406198
Phone:	(575) 631-6977	Date Logged In:	06/20/24 17:23	Logged In By:	Raina Schwanz
Email:	gio@pimaoil.com	Due Date:	06/21/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

From: [Gio PimaOil](#)
To: [Wells, Shelly, EMNRD](#)
Subject: [EXTERNAL] Re: NAPP2414228862 JAYHAWK 7 CTB 3 Questions
Date: Tuesday, July 9, 2024 11:14:21 AM

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

Good morning, Shelly,

Regarding the recent submission of NAPP2414228862 JAYHAWK 7 CTB 3, both events involved taking samples using a hand auger. The depths for SW1-SW6 were composite samples from the surface to 4 feet deep. The "Confirmation Bottoms" samples were labeled as "Bottom," but they actually represent a combination of depths from 1 foot to 4 feet.

I understand how this could be misinterpreted due to the lack of specific detail. Moving forward, I will ensure that all reports contain more detailed descriptions of the sampling events.

Thank you for your understanding.

On Tue, Jul 9, 2024 at 9:49 AM Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov> wrote:

Hi Gio,

I am reviewing the recent submission for NAPP2414228862 JAYHAWK 7 CTB 3 and am left with questions. How were samples collected in both events; with what tools? What depth did you collect SW1-SW6? Since there was no excavation putting "Bottom" as depth for the Closure Samples is confusing...what exact depth did you collect them at? Please be more specific in your reports so the reviewer understands how sampling is performed.

Thank you,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced

Environmental Bureau

EMNRD-Oil Conservation Division

1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520|Shelly.Wells@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 362081

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	362081
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2414228862
Incident Name	NAPP2414228862 JAYHAWK 7 CTB 3 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2130256817] JAYHAWK 7 CTB 3

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JAYHAWK 7 CTB 3
Date Release Discovered	05/20/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Separator Produced Water Released: 8 BBL Recovered: 4 BBL Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Pinhole found on reducer on separator causing a produced water spill on the ground. 8 bbls released. 4 bbls recovered. vavle was isolated to stop the leak.

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QUESTIONS, Page 2

Action 362081

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	362081
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 07/09/2024
--	--

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QUESTIONS, Page 3

Action 362081

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	362081
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	8880
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/25/2024
On what date will (or did) the final sampling or liner inspection occur	06/25/2024
On what date will (or was) the remediation complete(d)	06/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 362081

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 362081
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Yes</i>
Other Non-listed Remedial Process. Please specify	<i>analytical results were below the state action levels based on the depth to groundwater</i>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/09/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 362081

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 362081
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 6

Action 362081

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	362081
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	355061
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/20/2024
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	800

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	analytical results were below the state action levels based on the depth to groundwater

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/09/2024
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QUESTIONS, Page 7

Action 362081

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	362081
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 362081

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 362081
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/9/2024