Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NCH1903640405
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	54 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NCH1903640405
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 5/18/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

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

State of New Mexico
Oil Conservation Division

Incident ID	NCH1903640405
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

[x] Description of remediation activities

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 5/18/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

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

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

Closure Approved by: Brittany Hall Date: 6/30/2023

Printed Name: Brittany Hall Title: Environmental Specialist

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

March 24th, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Blue Krait 23 Fed 4H
API No. 30-025-43238
GPS: Latitude 32.1963981 Longitude -103.5366228
UL -- P, Sec. 23, T24S, R33E
Lea County, NM
NMOCD Ref. No. NCH1903640405

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a produced water and crude oil release that occurred at the Blue Krait 23 Fed 4H (Blue Krait). The initial C-141 was submitted on January 16th, 2019 (Appendix C). This incident was assigned Incident ID NCH1903640405 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Blue Krait is located approximately twenty (20) miles northwest of Jal, NM. This spill site is in Unit P, Section 23, Township 24S, Range 33E, Latitude 32.1963981 Longitude -103.5366228, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Ogallala Formation (Lower Pliocene to middle Miocene). The soil in this area is made up of Simona-Upton, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present in the area of the Blue Krait (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 54 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 208 feet BGS. The closest waterway is the Bell Lake, located approximately 3.5 miles to the northwest of this location. See Appendix A for referenced water surveys.

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

Reference Figure 2 for a Topographic Map.

Release Information

NAB1819143391: On December 20th, 2018, a valve was left open to a frac tank and released approximately 11.77 barrels of crude oil and 50 barrels of produced water, approximately 5 barrels of crude oil and 30 barrels of produced water was recovered. All contaminates remained on pad, extending to an area of approximately 35 feet by 150 feet by 0.063 feet in depth.

Remediation Activities, Site Assessment, and Soil Sampling Results

On March 15th, 2023, Pima Environmental mobilized personnel to assess the impacted area. Pima sampled the areas surrounding the release area and collected a total of twenty (20) soil samples for laboratory analysis. Four bottom samples (S1-S4) were collected at depths of 1, 2 and 4 feet to determine vertical delineation. Additionally, side wall samples (SW1-SW4) were collected at a depth of 6 inches to determine horizontal delineation. An initial site map can be found in Figure 4.

3-15-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 50-100")								
DEVON ENERGY - BLUE KRAIT 23 FED 4H								
Sample Date: 3/15/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	278	297	575	706
	2'	ND	ND	ND	239	267	506	455
	4'	ND	ND	ND	274	327	601	266
	5'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	228	260	488	408
	2'	ND	ND	ND	318	348	666	572
	4'	ND	ND	ND	199	288	487	455
	5'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	288	310	598	588
	2'	ND	ND	ND	226	257	483	462
	4'	ND	ND	ND	166	225	391	402
	5'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	311	345	656	438
	2'	ND	ND	ND	338	368	706	421
	4'	ND	ND	ND	196	253	449	669
	5'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND

ND: Analyte Non-Detect

Based on the sample results, the bottoms and sidewalls are below NMOCD Closure Criteria 19.15.29 NMAC. See Appendix D for Photographic Documentation.

Closure Request

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

After careful review, Pima requests that this incident, NCH1903640405 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Professional
Pima Environment Services, LLC

Attachments

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

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

Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

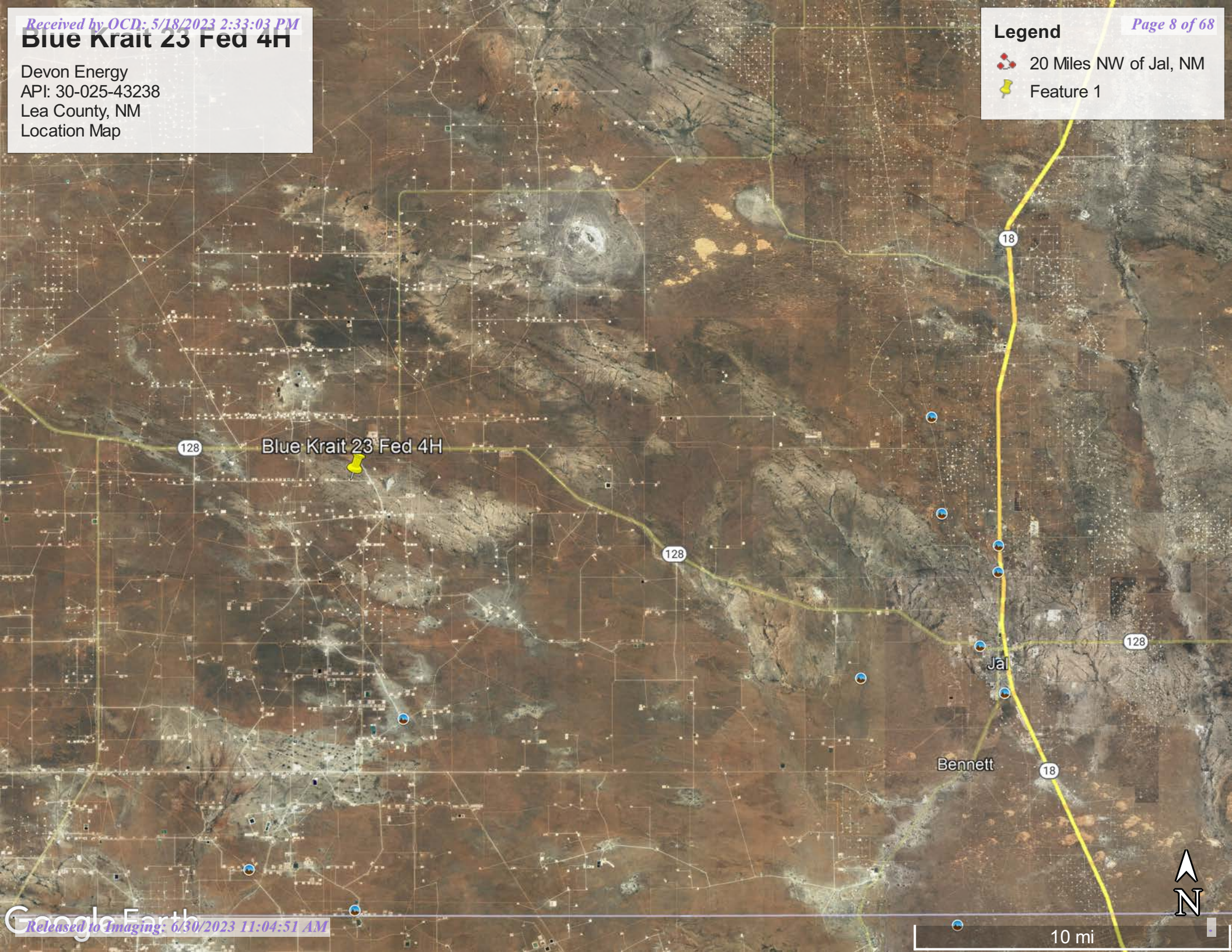
4-Site Map

Blue Krait 23 Fed 4H

Devon Energy
API: 30-025-43238
Lea County, NM
Location Map

Legend

- 20 Miles NW of Jal, NM
- Feature 1

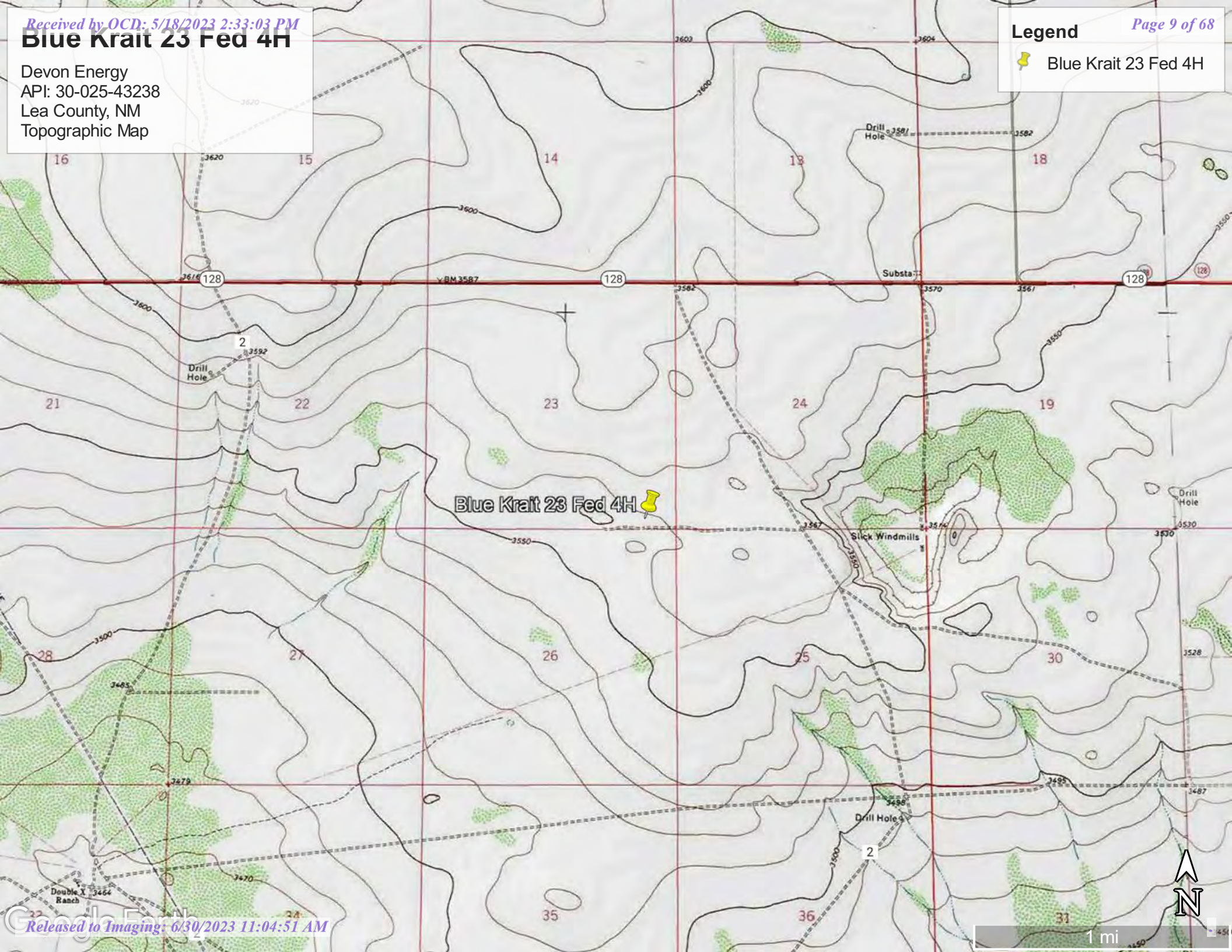


Blue Krait 23 Fed 4H

Devon Energy
API: 30-025-43238
Lea County, NM
Topographic Map

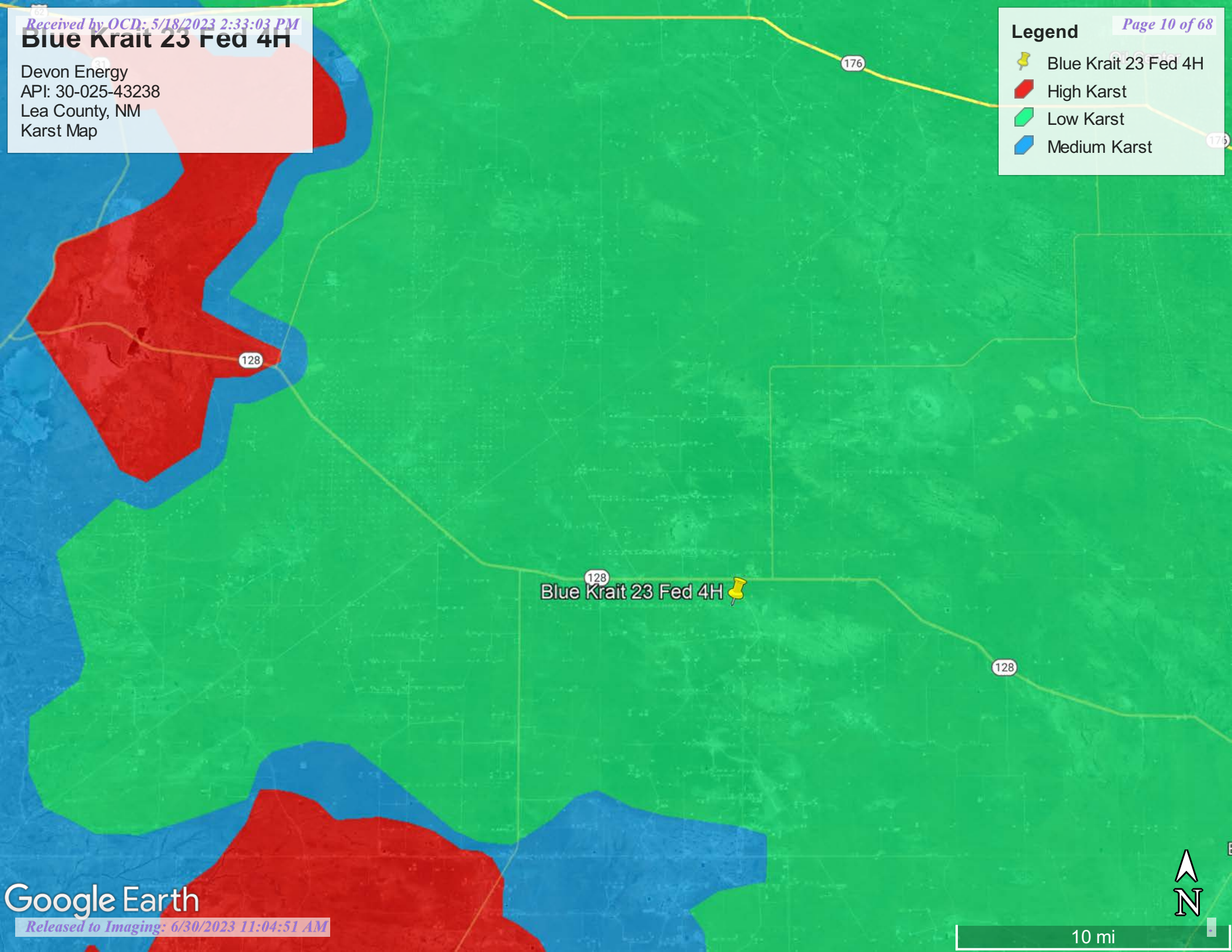
Legend

Blue Krait 23 Fed 4H



Blue Krait 23 Fed 4H

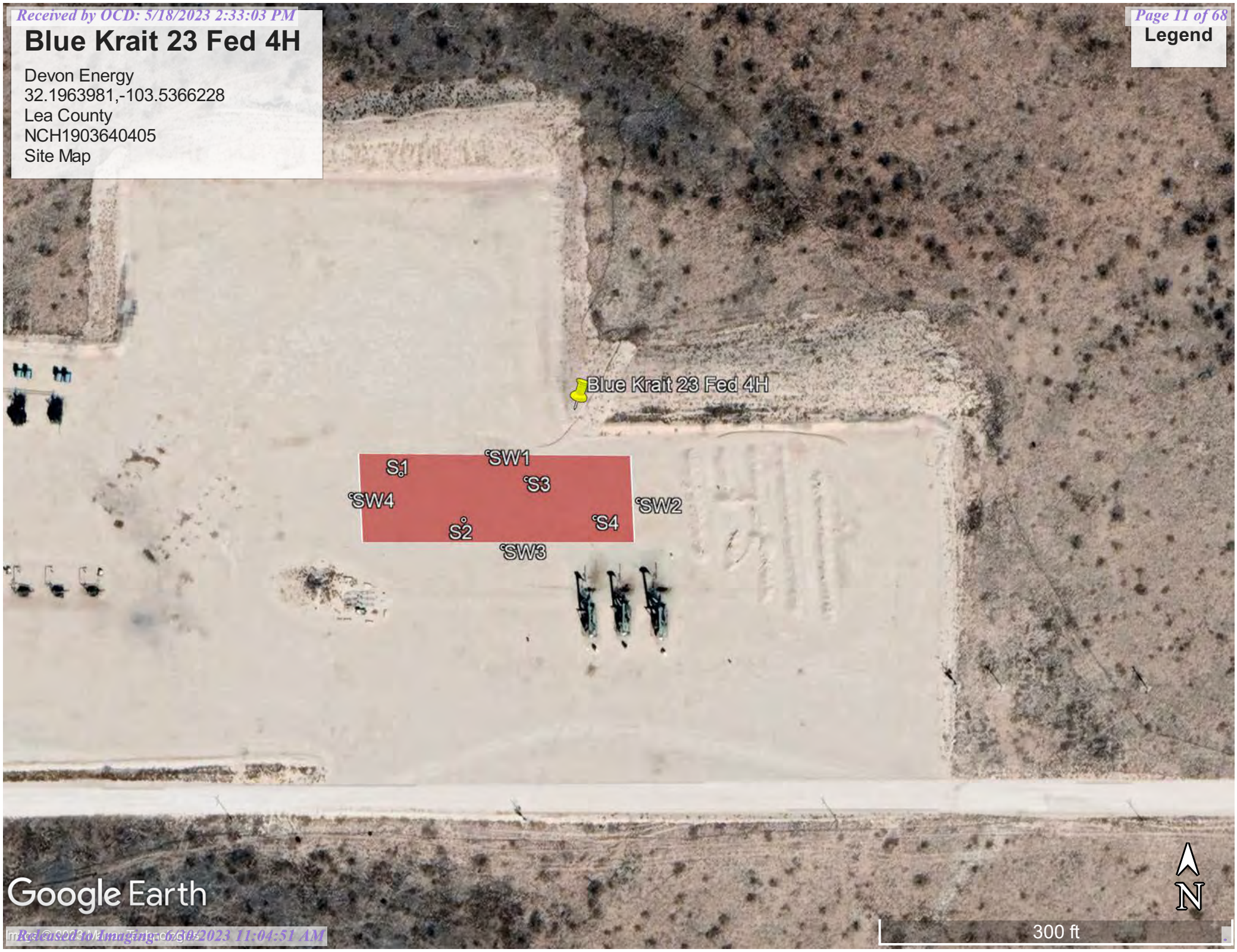
Devon Energy
API: 30-025-43238
Lea County, NM
Karst Map



Blue Krait 23 Fed 4H

Devon Energy
32.1963981,-103.5366228
Lea County
NCH1903640405
Site Map

Legend



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	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03601 POD7		CUB	LE	4	4	4	23	24S	33E	637946	3563170	29			
C 03601 POD5		CUB	LE	2	4	4	23	24S	33E	637988	3563334	198			
C 03601 POD6		CUB	LE	1	4	4	23	24S	33E	637834	3563338	220			
C 03601 POD3		CUB	LE	1	3	3	24	24S	33E	638142	3563413	339			
C 04339 POD5		CUB	LE	2	3	4	23	24S	33E	637580	3563328	401	54		
C 04339 POD10		CUB	LE	4	1	4	23	24S	33E	637688	3563503	437	49		
C 03601 POD2		CUB	LE	3	2	4	23	24S	33E	637846	3563588	453			
C 03600 POD1		CUB	LE	2	2	1	26	24S	33E	637275	3563023	671			
C 04339 POD3		CUB	LE	2	4	3	23	24S	33E	637273	3563323	686	38		
C 04339 POD4		CUB	LE	2	4	3	23	24S	33E	637273	3563323	686	47		
C 04339 POD9		CUB	LE	3	4	2	23	24S	33E	637731	3563913	796	45		
C 03601 POD1		CUB	LE	4	4	2	23	24S	33E	638124	3563937	815			
C 03600 POD3		CUB	LE	3	4	2	26	24S	33E	637784	3562340	817			

Average Depth to Water: --
Minimum Depth: --
Maximum Depth: --

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 637935.75 **Northing (Y):** 3563143.38 **Radius:** 1000

3/24/23 10:52 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 04339 POD5	2	3	4	23	24S	33E	637580	3563328

Driller License: 1575 **Driller Company:** CURRIE DRILLING COMPANY, INC

Driller Name: CURRIE, SHANEG..TY"ENER

Drill Start Date:	08/06/2019	**Drill Finish Date:**	08/07/2019	**Plug Date:**	08/07/2019
Log File Date:	08/22/2019	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	54 feet	**Depth Water:**	

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 321127103310401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

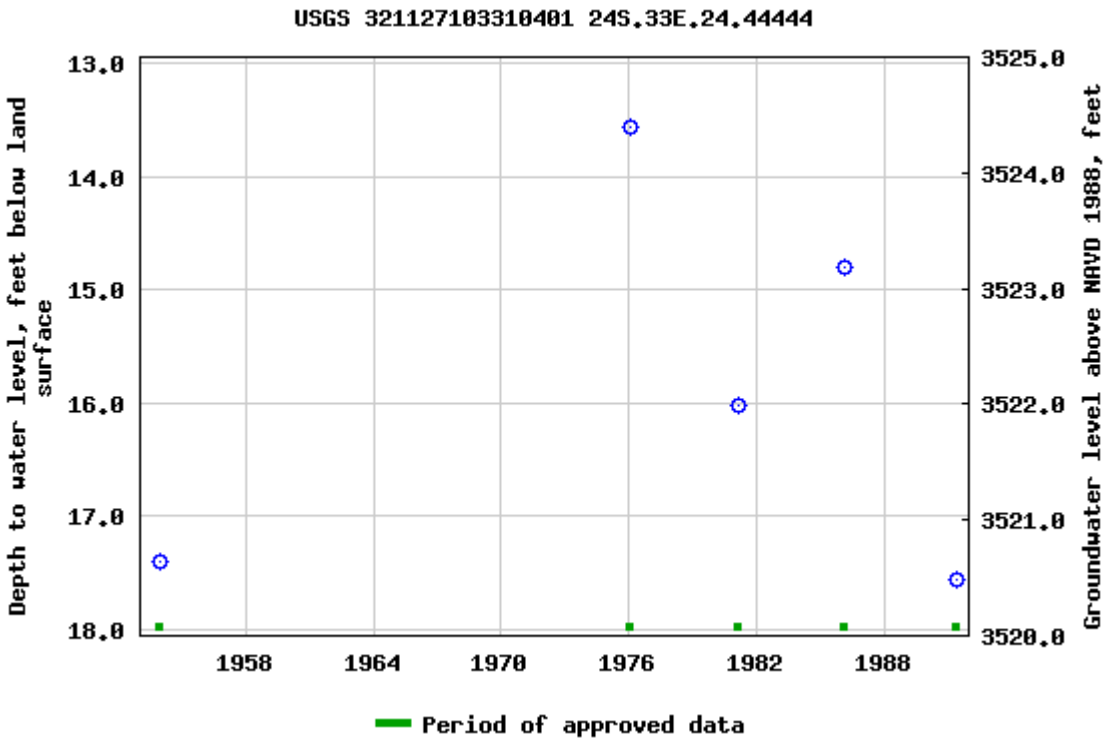
USGS 321127103310401 24S.33E.24.44444

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°11'27", Longitude 103°31'04" NAD27
Land-surface elevation 3,538 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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



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

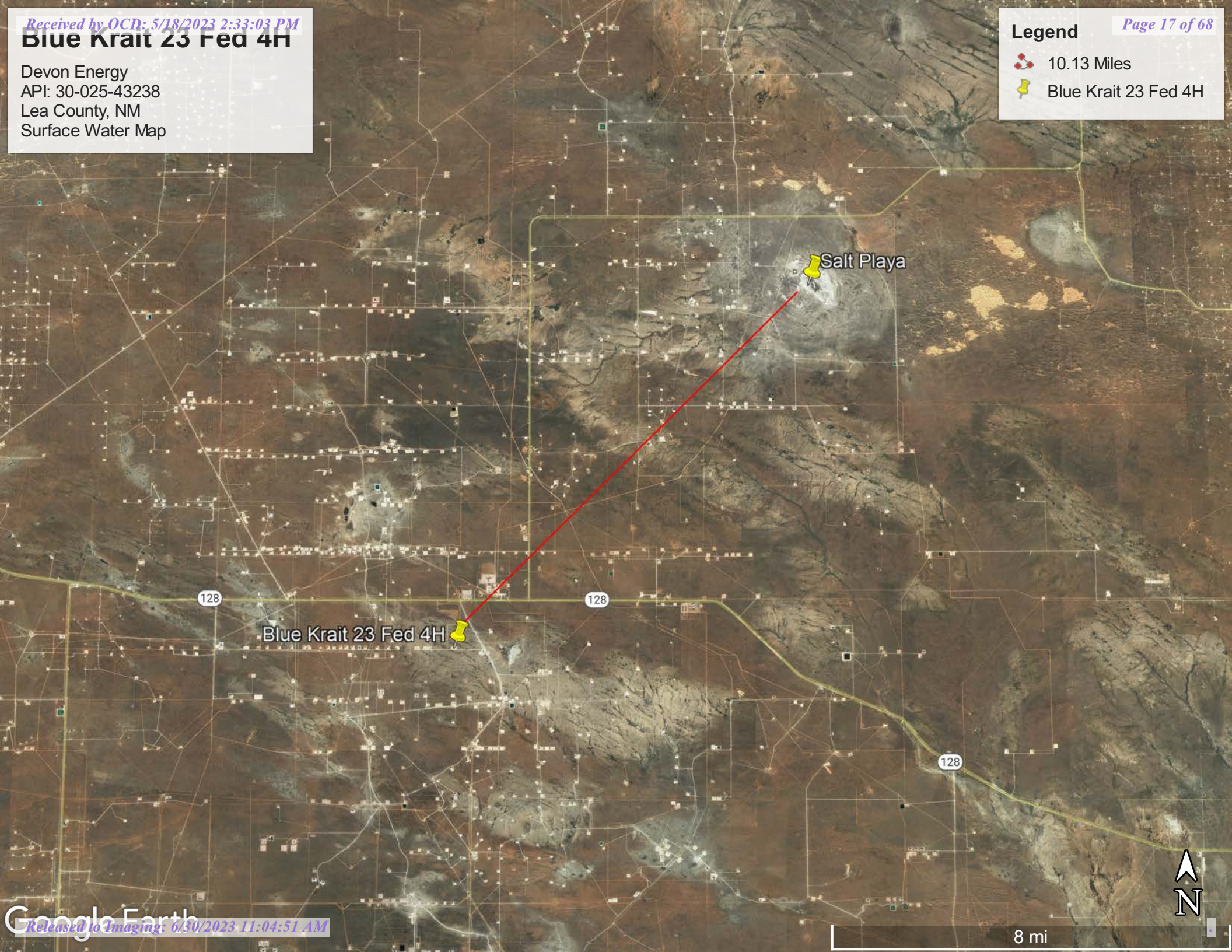
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Blue Krait 23 Fed 4H

Devon Energy
API: 30-025-43238
Lea County, NM
Surface Water Map

Legend

- 10.13 Miles
- Blue Krait 23 Fed 4H



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Lea County, New Mexico

SR—Simona-Upton association

Map Unit Setting

National map unit symbol: dmr3
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 16 inches
Mean annual air temperature: 58 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 50 percent
Upton and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: gravelly fine sandy loam
Bk - 8 to 16 inches: fine sandy loam
Bkm - 16 to 26 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 50 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: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Description of Upton

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: gravelly loam
Bkm - 8 to 18 inches: cemented material
BCk - 18 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 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: Very low (about 0.9 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Minor Components

Kimbrough

Percent of map unit: 6 percent
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

Stegall

Percent of map unit: 5 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Slaughter

Percent of map unit: 4 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

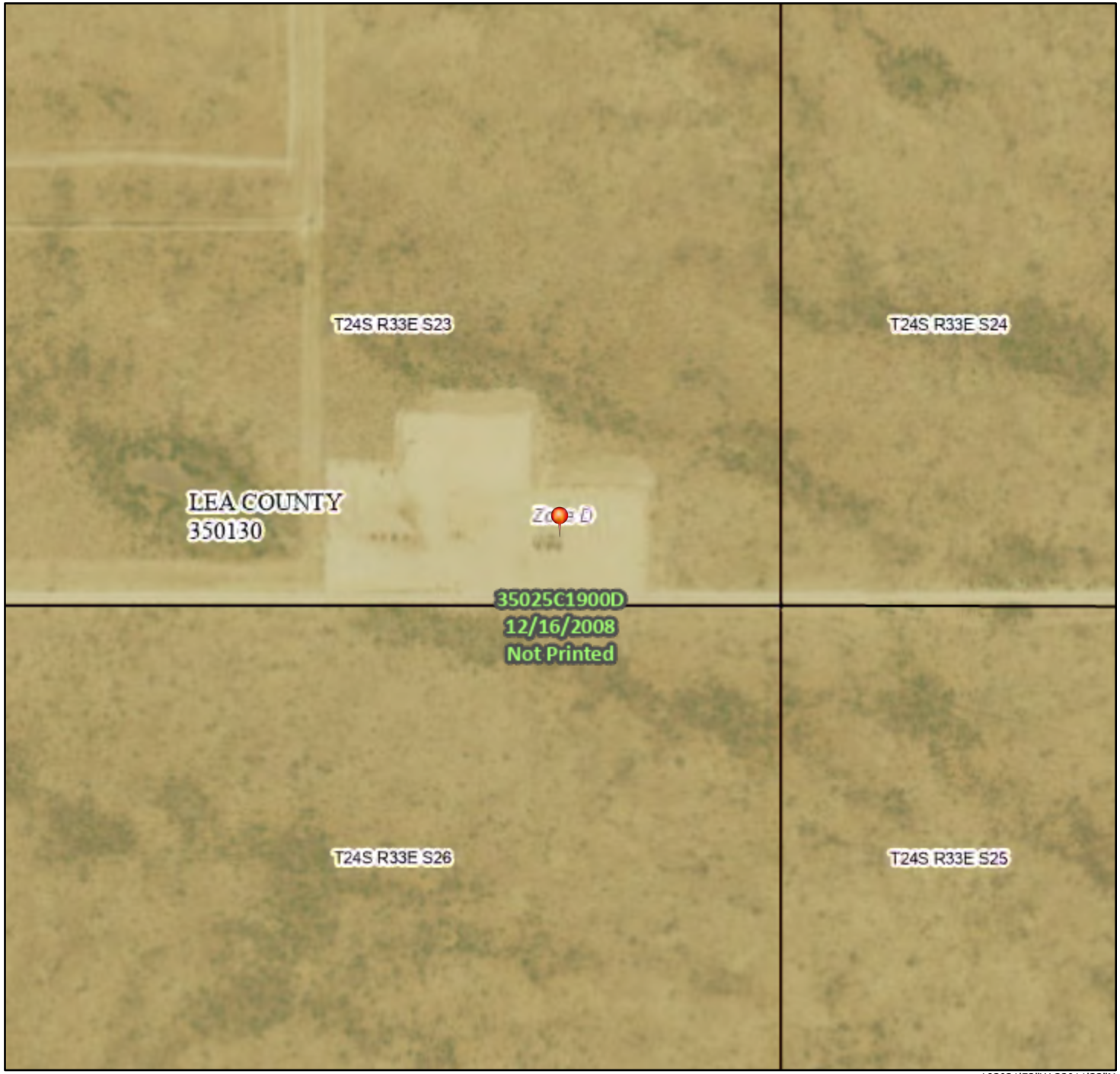
Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

National Flood Hazard Layer FIRMette

FEMA

103°32'31"W 32°12'2"N



103°31'53"W 32°11'32"N

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

1:6,000

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

Legend

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

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

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

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

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

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

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

N

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

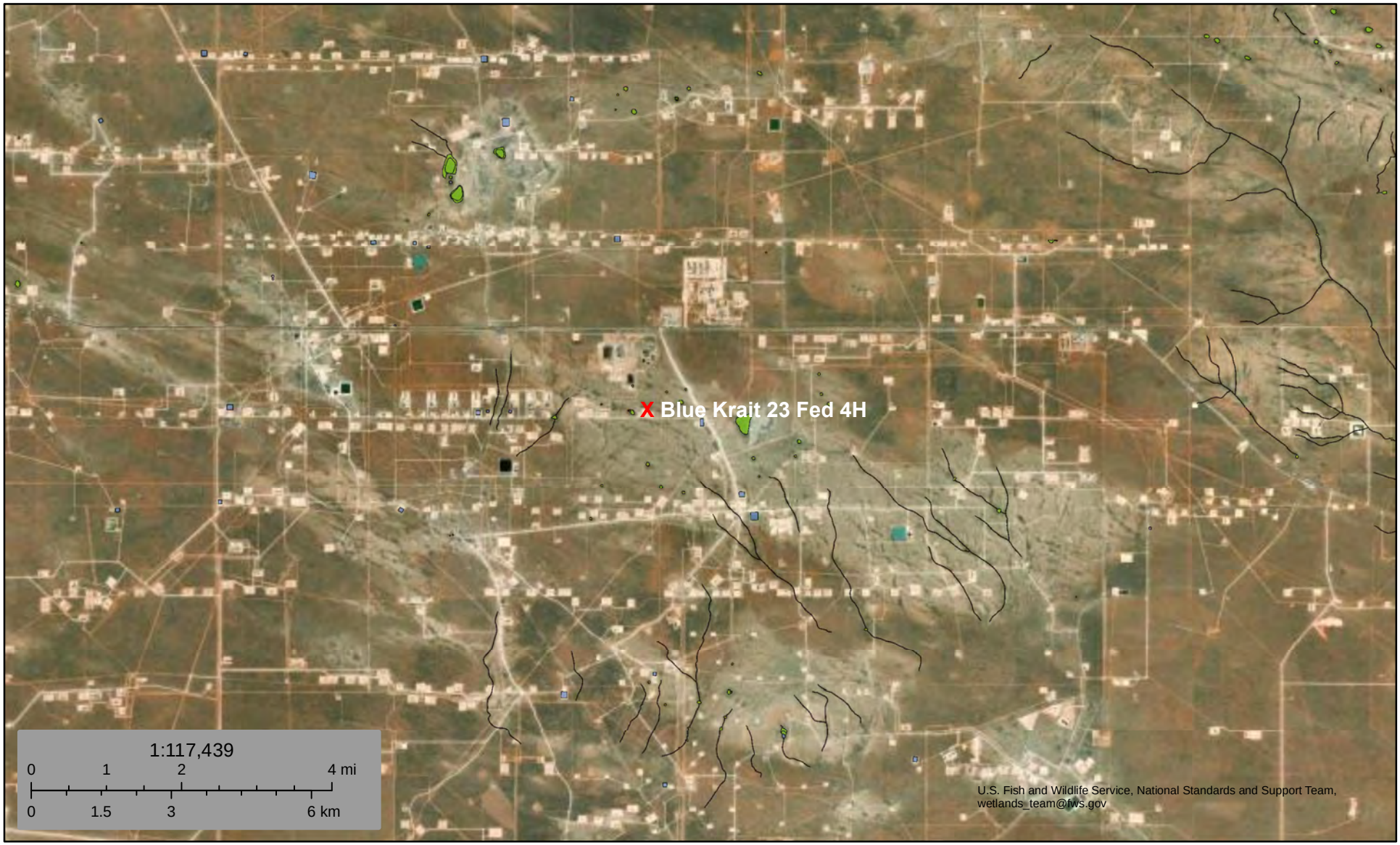
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/16/2023 at 11:35 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.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map



February 16, 2023

Wetlands

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

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Pima Environmental Services

Appendix C

C-141 Form

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-14
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NCH1903640405
District RP	1RP-5337
Facility ID	
Application ID	pCH1903641437

Release Notification

Responsible Party

Responsible Party Devon Energy Production Energy	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # NCH1903640405 BLUE KRAIT 23 FED 4H @ 30-025-43238
Contact mailing address 6488 Seven Rivers Hwy	

Location of Release Source

Latitude 32.1963981 Longitude -103.5366228

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Blue Krait 23 Fed 4H	Site Type Oil
Date Release Discovered 12/20/18	API# *(if applicable)* 3002543238

Unit Letter	Section	Township	Range	County
P	23	24S	33E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ■ Private (*Name:* Owl Madera Landfill LLC)

Nature and Volume of Release

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

■ Crude Oil	Volume Released (bbls) 11.77	Volume Recovered (bbls) 5
■ Produced Water	Volume Released (bbls) 50	Volume Recovered (bbls) 30
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Valve was left open to frac tank when well was brought back on line. Spill area stayed on well pad, 35' x 150' x 0.063'

State of New Mexico
Oil Conservation Division

Incident ID	NCH1903640405
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name: Kendra DeHoyos Title: EHS Associate

Signature: Kendra DeHoyos Kendra DeHoyos 2019.01.02 11:06:22 -07'00' Date: 1/2/19

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

OCD Only

Received by: RECEIVED By CHernandez at 11:05 am, Feb 05, 2019

State of New Mexico
Oil Conservation Division

Incident ID	NCH1903640405
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	54 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NCH1903640405
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 5/18/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	NCH1903640405
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

[x] Description of remediation activities

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 5/18/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

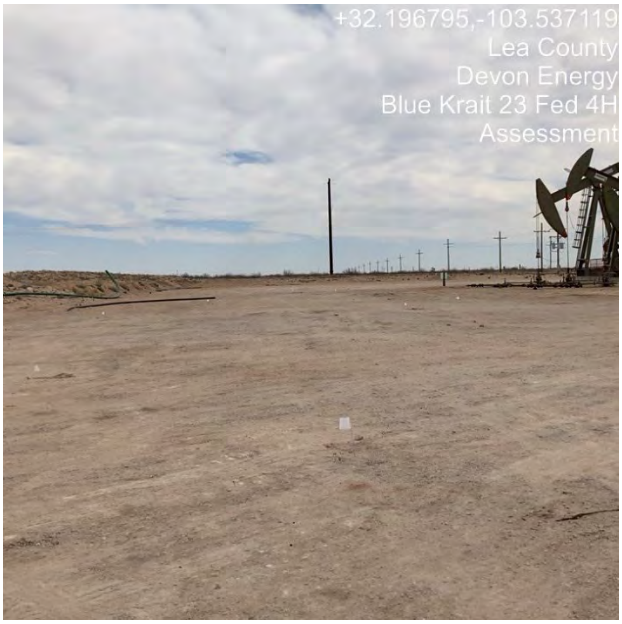
Pima Environmental Services

Appendix D

Photographic Documentation

SITE PHOTOGRAPHS
DEVON ENERGY
BLUE KRAIT 23 FED 4H

Site Assessment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Devon Energy
Blue Krait 23 Fed 4H
Assessment


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Devon Energy
Blue Krait 23 Fed 4H
Assessment

Pima Environmental Services

Appendix E

Laboratory Reports

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Blue Krait 23 fed 4H
Work Order:	E303061
Job Number:	01058-0007
Received:	3/17/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/21/23

Date Reported: 3/21/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Blue Krait 23 fed 4H
Workorder: E303061
Date Received: 3/17/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/17/2023 8:15:00AM, under the Project Name: Blue Krait 23 fed 4H.

The analytical test results summarized in this report with the Project Name: Blue Krait 23 fed 4H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/21/23 14:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E303061-01A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S2 - 1'	E303061-02A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S3 - 1'	E303061-03A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S4 - 1'	E303061-04A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S1 - 2'	E303061-05A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S2 - 2'	E303061-06A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S3 - 2'	E303061-07A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S4 - 2'	E303061-08A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S1 - 4'	E303061-09A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S2 - 4'	E303061-10A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S3 - 4'	E303061-11A	Soil	03/15/23	03/17/23	Glass Jar, 32 oz.
S4 - 4'	E303061-12A	Soil	03/15/23	03/17/23	Glass Jar, 32 oz.
S1 - 5'	E303061-13A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S2 - 5'	E303061-14A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S3 - 5'	E303061-15A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
S4 - 5'	E303061-16A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
SW1	E303061-17A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
SW2	E303061-18A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
SW3	E303061-19A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.
SW4	E303061-20A	Soil	03/15/23	03/17/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S1 - 1'

E303061-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*92.8 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*92.8 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**278**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**297**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**706**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S2 - 1'

E303061-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*92.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*92.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**228**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**260**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**408**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S3 - 1'

E303061-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**288**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**310**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**588**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S4 - 1'

E303061-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*93.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*93.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**311**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**345**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**438**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S1 - 2'

E303061-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*91.0 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*91.0 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**239**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**267**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**455**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S2 - 2'

E303061-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.6 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.6 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**318**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**348**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**572**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S3 - 2'

E303061-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*89.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*89.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**226**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**257**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*93.7 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**462**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S4 - 2'

E303061-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*89.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*89.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**338**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**368**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**421**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S1 - 4'

E303061-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.7 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.7 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**274**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**327**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**266**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S2 - 4'

E303061-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*92.7 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*92.7 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**199**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**288**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**455**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S3 - 4'

E303061-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*89.6 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*89.6 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**166**	25.0	1	03/20/23	03/20/23	
Oil Range Organics (C28-C36)	**225**	50.0	1	03/20/23	03/20/23	
Surrogate: n-Nonane		*96.1 %*	*50-200*	*03/20/23*	*03/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**402**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S4 - 4'

E303061-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*91.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*91.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	**196**	25.0	1	03/20/23	03/21/23	
Oil Range Organics (C28-C36)	**253**	50.0	1	03/20/23	03/21/23	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*03/20/23*	*03/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	**669**	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S1 - 5'

E303061-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*87.6 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*87.6 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/23	03/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/23	03/21/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/20/23*	*03/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	ND	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S2 - 5'

E303061-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.0 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.0 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/23	03/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/23	03/21/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*03/20/23*	*03/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	ND	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S3 - 5'

E303061-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*93.5 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*93.5 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/23	03/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/23	03/21/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/20/23*	*03/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	ND	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

S4 - 5'

E303061-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*89.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*89.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/23	03/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/23	03/21/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/20/23*	*03/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	ND	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

SW1

E303061-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*88.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*88.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/23	03/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/23	03/21/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/20/23*	*03/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	ND	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

SW2

E303061-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.8 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.8 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/23	03/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/23	03/21/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*03/20/23*	*03/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	ND	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

SW3

E303061-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.8 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*90.8 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/23	03/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/23	03/21/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*03/20/23*	*03/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	ND	20.0	1	03/17/23	03/19/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

SW4

E303061-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Benzene	ND	0.0250	1	03/17/23	03/18/23	
Ethylbenzene	ND	0.0250	1	03/17/23	03/18/23	
Toluene	ND	0.0250	1	03/17/23	03/18/23	
o-Xylene	ND	0.0250	1	03/17/23	03/18/23	
p,m-Xylene	ND	0.0500	1	03/17/23	03/18/23	
Total Xylenes	ND	0.0250	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*91.0 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2311063
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/23	03/18/23	
Surrogate: Bromofluorobenzene		*91.0 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*03/17/23*	*03/18/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*03/17/23*	*03/18/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2312001
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/23	03/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/23	03/21/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*03/20/23*	*03/21/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2311059
Chloride	ND	20.0	1	03/17/23	03/19/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311063-BLK1)									Prepared: 03/17/23 Analyzed: 03/17/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
LCS (2311063-BS1)									Prepared: 03/17/23 Analyzed: 03/18/23
Benzene	2.68	0.0250	2.50		107	70-130			
Ethylbenzene	2.60	0.0250	2.50		104	70-130			
Toluene	2.70	0.0250	2.50		108	70-130			
o-Xylene	2.77	0.0250	2.50		111	70-130			
p,m-Xylene	5.31	0.0500	5.00		106	70-130			
Total Xylenes	8.08	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
Matrix Spike (2311063-MS1)				**Source: E303061-02**					Prepared: 03/17/23 Analyzed: 03/18/23
Benzene	2.65	0.0250	2.50	ND	106	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	105	45-135			
Toluene	2.72	0.0250	2.50	ND	109	48-130			
o-Xylene	2.80	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.33	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.13	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	*0.477*		*0.500*		*95.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2311063-MSD1)				**Source: E303061-02**					Prepared: 03/17/23 Analyzed: 03/18/23
Benzene	2.70	0.0250	2.50	ND	108	48-131	1.87	23	
Ethylbenzene	2.69	0.0250	2.50	ND	108	45-135	2.81	27	
Toluene	2.80	0.0250	2.50	ND	112	48-130	2.89	24	
o-Xylene	2.89	0.0250	2.50	ND	115	43-135	3.06	27	
p,m-Xylene	5.49	0.0500	5.00	ND	110	43-135	3.01	27	
Total Xylenes	8.38	0.0250	7.50	ND	112	43-135	3.03	27	
Surrogate: Bromofluorobenzene	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

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 (2311063-BLK1)									Prepared: 03/17/23 Analyzed: 03/17/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
LCS (2311063-BS2)									Prepared: 03/17/23 Analyzed: 03/18/23
Gasoline Range Organics (C6-C10)	58.1	20.0	50.0		116	70-130			
Surrogate: Bromofluorobenzene	*0.462*		*0.500*		*92.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike (2311063-MS2)				**Source: E303061-02**					Prepared: 03/17/23 Analyzed: 03/18/23
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	*0.459*		*0.500*		*91.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2311063-MSD2)				**Source: E303061-02**					Prepared: 03/17/23 Analyzed: 03/18/23
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.4	70-130	7.01	20	
Surrogate: Bromofluorobenzene	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.5*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2312001-BLK1)									Prepared: 03/20/23 Analyzed: 03/20/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.6*		*50.0*		*97.2*	*50-200*			
LCS (2312001-BS1)									Prepared: 03/20/23 Analyzed: 03/20/23
Diesel Range Organics (C10-C28)	238	25.0	250		95.1	38-132			
Surrogate: n-Nonane	*49.5*		*50.0*		*99.1*	*50-200*			
Matrix Spike (2312001-MS1)				**Source: E303061-05**					Prepared: 03/20/23 Analyzed: 03/20/23
Diesel Range Organics (C10-C28)	440	25.0	250	239	80.5	38-132			
Surrogate: n-Nonane	*44.4*		*50.0*		*88.8*	*50-200*			
Matrix Spike Dup (2312001-MSD1)				**Source: E303061-05**					Prepared: 03/20/23 Analyzed: 03/20/23
Diesel Range Organics (C10-C28)	482	25.0	250	239	97.1	38-132	9.02	20	
Surrogate: n-Nonane	*49.7*		*50.0*		*99.4*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/21/2023 2:46:49PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2311059-BLK1)									Prepared: 03/17/23 Analyzed: 03/19/23
Chloride	ND	20.0							
LCS (2311059-BS1)									Prepared: 03/17/23 Analyzed: 03/19/23
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2311059-MS1)				**Source: E303061-01**					Prepared: 03/17/23 Analyzed: 03/19/23
Chloride	800	20.0	250	706	37.5	80-120			M2
Matrix Spike Dup (2311059-MSD1)				**Source: E303061-01**					Prepared: 03/17/23 Analyzed: 03/19/23
Chloride	779	20.0	250	706	29.0	80-120	2.68	20	M2

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

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Blue Krait 23 fed 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/21/23 14:46

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 2

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: Blue Krait 23 Fed 4H	Attention: Devon	Lab WO# E303061
Project Manager: Tom Bynum	Address:	Job Number 01058:0007
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 580-748-1613	Email:	
Email: tom@pimaoil.com	Pima Project # 1-141	
Report due by:		

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

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:00	3/15/23	S	1	S1-1'	1							X		
8:05				S2-1'	2									
8:10				S3-1'	3									
8:15				S4-1'	4									
8:20				S1-2'	5									
8:25				S2-2'	6									
8:30				S3-2'	7									
8:35				S4-2'	8									
8:40				S1-4'	9									
8:45				S2-4'	10									

Additional Instructions: WBS# XX-111504.01.SLC

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

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
AB	3-16-23	2:00	Michelle Cruz	3-16-23	1400
Michelle Cruz	3-16-23	1715	Lorena Lee	3-16-23	1815
Lorena Lee	3-16-23	2436	Caitlin Chatt	3/17/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

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

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

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Project Information | Chain of Custody | Page 2 of 2

Client: Pima Environmental Services	Bill To
Project: Blue Krait 23 Fed 4H	Attention: Devon
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project #
Report due by:	

Lab Use Only: Lab WO# E3030601 | Job Number 01058-0007

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

EPA Program: CWA | SDWA | RCRA

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
8:50	3/15/23	S	1	S3-4'	11									X				
8:55				S4-4'	12													
9:00				S1-5'	13													
9:05				S2-5'	14													
9:10				S3-5'	15													
9:15				S4-5'	16													
9:20				SW1	17													
9:25				SW2	18													
9:30				SW3	19													
9:35				SW4	20													

Additional Instructions:

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

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
AB	3-16-23	2:00	Michelle Campos	3-16-23	1400
Michelle Campos	3-16-23	1715	Lorenzo Lei	3-16-23	1815
Lorenzo Lei	3-16-23	2430	Caitlin Christian	3/17/23	8:15

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

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

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Envirotech Analytical Laboratory

Printed: 3/17/2023 9:45:12AM

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:	03/17/23 08:15	Work Order ID:	E303061
Phone:	(575) 631-6977	Date Logged In:	03/16/23 16:08	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	03/24/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

White out present on COC when received from client.

Client Instruction

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

Date

envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 218270

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 218270
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. Site will need to meet the requirements of 19.15.29.13 NMAC.	6/30/2023