

Environmental Site Remediation Work Plan

General Information

NMOCD District:	<u>Artesia</u>	Incident ID:	<u>nAPP2515337712</u>
Landowner:	<u>State</u>	Facility ID:	<u>fAPP2412725430</u>
Client:	<u>EOG Resources, Inc.</u>	Site Location:	<u>Padron 10 State Com CTB AST</u>
Date:	<u>July 15, 2025</u>	Project #:	<u>25A-03091</u>
Client Contact:	<u>Chase Settle</u>	Phone #:	<u>575.703.6537</u>
Vertex PM:	<u>Chance Dixon</u>	Phone #:	<u>575.988.1472</u>

Objective

The objective of the environmental remediation work plan is to identify exceedances found during the site assessment/characterization activity and propose an appropriate remediation technique to address the release at Padron 10 State Com CTB AST (hereafter referred to as "site"). The release was caused by valve corrosion, which resulted in an estimated 65 barrels (bbl.) of produced water being discharged onto the facility pad, shown on Figure 1 (Attachment 1). Areas of environmental concern identified and delineated include the pad and adjacent pasture. Closure criteria has been selected as per New Mexico Administrative Code 19.15.29. All applicable research as it pertains to closure criteria selection is presented in Attachment 4. The closure criteria for the site are presented below.

Table 1. Closure Criteria for Soils Impacted by a Release DTGW <50 feet bgs		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – Total dissolved solids
 TPH – Total petroleum hydrocarbons = gasoline range organics (GRO) + diesel range organics (DRO) + motor oil range organics (MRO),
 BTEX – Benzene, toluene, ethylbenzene, and xylenes
 DTGW – Depth to Groundwater
 bgs – below ground surface

Site Assessment/Characterization

Site characterization was completed between June 9 and 25, 2025. A total of 30 sample points were established and samples collected for field screening. In total, 59 samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis. The sample locations are presented in Figure 1 (Attachment 1). Vertical delineation was not completed for sample point BH25-28 due to refusal via hand excavation equipment. Laboratory analysis results have been compared to the above noted closure criteria and the results from the characterization activity are presented in Table 2 (Attachment 2). Exceedances to criteria are identified in the table as bold with grey or green background. Laboratory data reports are included in Attachment 3. All applicable research as it pertains to closure criteria selection is presented in Attachment 4.

Remedial Activities

Areas identified with contaminant concentrations above closure criteria will be remediated through excavation. Laboratory results from the site assessment/characterization have been referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil to be removed. Sample point BH25-28 will be vertically delineated through excavation. Field screening will be utilized to confirm removal of contaminated soil below the applicable closure criteria. Once excavation is complete, confirmatory samples will be



Environmental Site Remediation Work Plan

collected and laboratory analysis completed to confirm closure criteria guidelines are met. Excavations will be backfilled with clean soil sourced locally.

Field screening and laboratory analysis were utilized to find the horizontal and vertical extents of the spill area. A total of 59 samples were collected for analysis on the constructed pas and in the pasture. A hydro vac truck will be utilized to remove contaminated soil in close proximity to any pipelines in the area. Heavy equipment will be used to complete excavation in open areas within the release. The estimated volume to be excavated is 3,946 cubic yards.

Sample Point	Excavation Depth	Remediation Method
BH25-02	1'	Heavy Machinery
BH25-03	1'	Heavy Machinery
BH25-04	1'	Heavy Machinery
BH25-05	1'	Heavy Machinery
BH25-06	1'	Heavy Machinery
BH25-08	1'	Heavy Machinery
BH25-10	1'	Heavy Machinery
BH25-14	1'	Heavy Machinery
BH25-15	3'	Heavy Machinery
BH25-16	1'	Heavy Machinery
BH25-17	1'	Heavy Machinery
BH25-18	1'	Heavy Machinery
BH25-19	1'	Heavy Machinery
BH25-28	4.5'	Heavy Machinery

Right of Entry

The site lies within EOG Resources' (EOG) commercial and oil and gas lease boundaries (BL31020000, V072890001). Because of this, a right-of-entry request was deemed unnecessary. A map depicting the location and lease boundary of the site is located in Attachment 3.

Cultural Properties Protection

The release penetrated an area off pad that was not pre-disturbed prior. EOG retained a third-party contractor to complete an ARMS Inspection/Review of the disturbed area under New Mexico State Land Office (NMSLO) regulations and it was determined that no cultural properties were found within the survey area. The NMSLO Cultural Resources Cover Sheet is included in Attachment 3.

Biological Compliance

Vertex conducted desktop review to determine if any potential habitats are located within the scope of work. A Biological Checklist utilizing the sources provided by NMSLO for guidance is located in Attachment 3. It was determined that three potentially endangered species and one migratory bird species could potentially be impacted, but no confirmed presences of them are located in the remediation area. If any of the species identified in the IPac Resource List (Attachment 3) are encountered during remedial activities, work will be ceased and a biological representative from NMSLO will be notified for further instruction.

Should you have any questions or concerns, please do not hesitate to contact the Chance Dixon at 575.988.1472 or cdixon@vertexresource.com.

Environmental Site Remediation Work Plan

John Rewis

John Rewis, B.Sc.

ENVIRONMENTAL TECHNICIAN, REPORTING

8/26/2025

Date

Chance Dixon

Chance Dixon, B.Sc.

PROJECT MANAGER, REPORT REVIEW

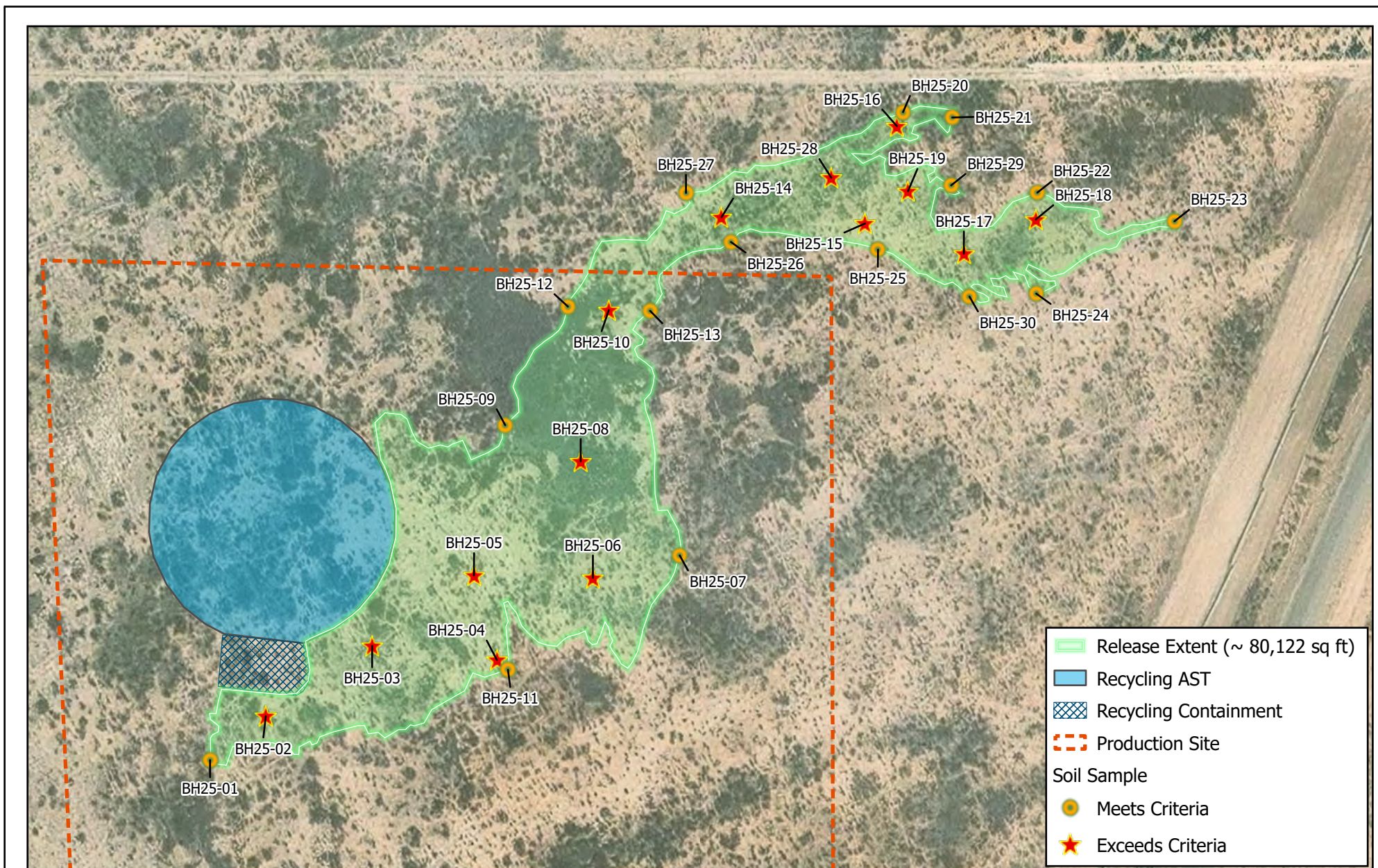
8/26/2025

Date

Attachments

- Attachment 1. Characterization Sampling Site Schematic
- Attachment 2. Initial Characterization Laboratory Results
- Attachment 3. NMSLO Research Including ROE, CPP, and Biological Compliance
- Attachment 4. Closure Criteria Research
- Attachment 5. Laboratory Data Reports with Chain of Custody Forms

ATTACHMENT 1



VERTEX

Map Center:
Lat/Long: 32.159836°N, 104.167626°W
Date: Jul 02/25

0 75 150 ft
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

N

**Characterization Sampling Site Schematic
Pardon AST**

FIGURE: **1**

eog resources

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes. Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

ATTACHMENT 2

Client Name: EOG Resources, Inc.
 Site Name: Padron 10 State Com CTB AST
 NMOCD Tracking #: nAPP2515337712
 Project #: 25A-03091
 Lab Reports: H253485 , H253848

Table 2. Initial Characterization Laboratory Results

Sample Description			Petroleum Hydrocarbons							Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable					Chloride Concentration (mg/kg)
			Benzene (mg/kg)	BTEX (Total) (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Diesel Range Organics (DRO) (mg/kg)	Motor Oil Range Organics (MRO) (mg/kg)	(GRO + DRO) (mg/kg)	Total Petroleum Hydrocarbons (TPH) (mg/kg)	
BH25-01	0	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	128
	2	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	16
BH25-02	0	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	1,680
	2	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	544
	4	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	464
BH25-03	0	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	6,800
	2	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	80
	4	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	64
BH25-04	0	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	1,330
	2	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	80
BH25-05	0	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	7,200
	2	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	176
	4	June 9, 2025	ND	ND	ND	ND	ND	ND	ND	80
BH25-06	0	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	5,200
	2	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	400
	4	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	128
BH25-07	0	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	112
	2	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	64
BH25-08	0	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	9,520
	2	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	160
	4	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	16
BH25-09	0	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	144
	2	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	16
BH25-10	0	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	3,440
	2	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	32
	4	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	128
BH25-11	0	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	80
	2	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-12	0	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	80
	2	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-13	0	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	128
	2	June 10, 2025	ND	ND	ND	ND	ND	ND	ND	16
BH25-14	0	June 23, 2025	-	-	-	-	-	-	-	-
	2	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	304
	4	June 23, 2025	-	-	-	-	-	-	-	-



Table 2. Initial Characterization Laboratory Results

Sample Description			Petroleum Hydrocarbons							Inorganic
			Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Depth to Groundwater <50 Feet										
BH25-15	0	June 23, 2025	-	-	-	-	-	-	-	-
	2	June 23, 2025	-	-	-	-	-	-	-	-
	4	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	256
BH25-16	0	June 23, 2025	-	-	-	-	-	-	-	-
	2	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	128
	4	June 23, 2025	-	-	-	-	-	-	-	-
BH25-17	0	June 23, 2025	-	-	-	-	-	-	-	-
	2	June 23, 2025	ND	ND	ND	ND	ND	ND	ND	160
	4	June 23, 2025	-	-	-	-	-	-	-	-
BH25-18	0	June 24, 2025	-	-	-	-	-	-	-	-
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	160
	4	June 24, 2025	-	-	-	-	-	-	-	-
BH25-19	0	June 24, 2025	-	-	-	-	-	-	-	-
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	240
	4	June 24, 2025	-	-	-	-	-	-	-	-
BH25-20	0	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	64
BH25-21	0	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	32
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	32
BH25-22	0	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	80
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	48
BH25-23	0	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	32
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	48
BH25-24	0	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	32
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	224
BH25-25	0	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	32
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	96
BH25-26	0	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	32
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	48
BH25-27	0	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	32
	2	June 24, 2025	ND	ND	ND	ND	ND	ND	ND	80
BH25-28	0	June 25, 2025	-	-	-	-	-	-	-	-
	2	June 25, 2025	-	-	-	-	-	-	-	-
	4	June 25, 2025	ND	ND	ND	ND	ND	ND	ND	976
BH25-29	0	June 25, 2025	ND	ND	ND	ND	ND	ND	ND	32
	2	June 25, 2025	ND	ND	ND	ND	ND	ND	ND	16
BH25-30	0	June 25, 2025	ND	ND	ND	ND	ND	ND	ND	32
	2	June 25, 2025	ND	ND	ND	ND	ND	ND	ND	16

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)

Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)



(1 of 5)

Commercial Lease

Lease ID BL31020000

Acreage 9.6

Effective Date 11/20/2024

Name EOG RESOURCES, INC.

OGRID Code 739326

[Zoom to](#)

BL3102

(2 of 5)



Oil or Gas Lease

Lease ID V072890001

Acreage

Effective Date

Name EOG RESOURCES, INC.

OGRID Code 64432

[Zoom to](#)

BL310E

Attachment 3

Padron AST
EOG Resources Inc.

Appendix B
Biological Review
SLO-ECO



Printable Reports		
Agency	Report	Result
US Fish & Wildlife	Information for Planning and Consultation (IPaC)	-----
	(Potentially) Endangered Species	4
	Bald & Golden Eagles	0
	Migratory Birds	0
	Facilities	0
	Wetlands	0
Vertex "Habitats" GIS Map		
Agency	Layer	Result
BLM	Special Status Plant and Wildlife Habitat	-----
	Potential Habitat (Planning Area Only)	None
	Dunes Sage Brush Lizard	None
	Lesser Prairie Chicken	None
	Lesser Prairie Chicken Timing Restriction	None
	Natl Designated Areas of Critical Environmental Concern	None
	NM Game and Fish	NM Crucial Habitat Assessment Tool (NM CHAT)
	Crucial Habitat	4
	Species of Concern	4
	Large Natural Areas	2
	Natural Vegetation	6
	Terrestrial SERI	3
	Aquatic SERI	6
	Fresh Water Integrity	5
	Weland and Riparian Areas	0/6
	NM State Wildlife Action Plan (SWAP) Macrogroups	Chihuahuan Desert Scrub
	NM Important Plant Areas	None
	Riparian Corridors	-----
	Upper Rio Grande	None
	Middle Rio Grande	None
	Canadian Upper Pecos	None
	Gila Region San Juan	None
	Lower Pecos Tularosa basin	None
	NM Riparian Corridor	None
US Fish & Wildlife	Critical Habitat for Threatened and Endangered Species	None
NM Natural Heritage	Federal Threatened and Endangered (Fed T&E)	Texas Hornshell - Popenaias popeii
	State Threatened and Endangered (State T&E)	None
NM State Forestry	Important Plant Area (IPA)	None

IPaC

U.S. Fish & Wildlife Service

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Eddy County, New Mexico



Local office

New Mexico Ecological Services Field Office

☎ (505) 346-2525

📅 (505) 346-2542

2105 Osuna Road Ne

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1923	EXPN
Piping Plover <i>Charadrius melodus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/6039	Threatened

Clams

NAME	STATUS
Texas Hornshell <i>Popenaias popeii</i> Wherever found There is proposed critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/919	Endangered

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> Wherever found There is proposed critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The [data](#) in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the [Supplemental Information on Migratory Birds and Eagles document](#) to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests

Migratory birds

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior [authorization](#) by the Department of Interior U.S. Fish and Wildlife Service (FWS).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

The [data](#) in this location indicates that no migratory birds of concern have been observed in this area. This does not mean [birds of concern](#) are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the [Supplemental Information on Migratory Birds and Eagles document](#) to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine what migratory birds of concern may be present (e.g. your local FWS field office, state surveys, your own surveys).

Migratory Bird FAQs

Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Avoidance & Minimization Measures for Birds](#) describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the [Bald and Golden Eagle Protection Act](#) and those species marked as "Vulnerable". See the FAQ "What are the

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate

ATTACHMENT 4

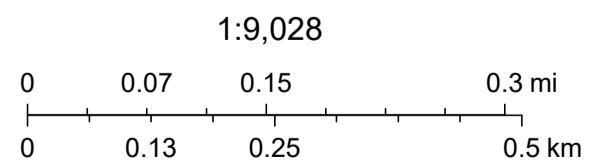
Closure Criteria Determination				
Site Name: Padron 10 State Com CTB AST				
Spill Coordinates: 32.159223, -104.168669		X: 578388.86	Y: 3558387.30	
Site Specific Conditions		Value	Unit	Reference
1	Depth to Groundwater (nearest reference)	>75	feet	1
	Distance between release and nearest DTGW reference	2,534	feet	
		0.48	miles	
	Date of nearest DTGW reference measurement	May 31, 2025		
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	3,949	feet	2
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	29,261	feet	3
4	Within 300 feet from an occupied residence, school, hospital, institution or church	22,861	feet	4
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	4,032	feet	5
	ii) Within 1000 feet of any fresh water well or spring	4,032	feet	5
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	feet	6
7	Within 300 feet of a wetland	14,507	feet	7
8	Within the area overlying a subsurface mine	No	feet	8
	Distance between release and nearest registered mine	113,104	feet	
9	Within an unstable area (Karst Map)	High	Critical High Medium Low	9
	Distance between release and nearest unstable area	0	feet	
10	Within a 100-year Floodplain	500	year	10
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	3,288	feet	
11	Soil Type	Loams		11
12	Ecological Classification	Loamy		12
13	Geology	Pr		13
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'	

OSE POD Location Map



6/9/2025, 8:31:42 AM

- Override 1
- GIS WATERS PODs
- Pending
-



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Water Right Summary



[get image list](#)

WR File Number:	C 04939	Subbasin:	CUB	Cross Reference:	
Primary Purpose:	MON MONITORING WELL				
Primary Status:	PMT Permit				
Total Acres:		Subfile:		Header:	
Total Diversion:	0.000	Cause/Case:			
Owner:	EOG RESOURCES	Owner Class:	Owner		
Contact:	CAYDEN SESSIONS				

Documents on File

(acre-fee)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
.get_images	778645	EXPL	2025-02-17	PMT	APR	C-4939 POD1-3	T	0.000	0.000

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C_04939_POD1	NA		NE	SW	SE	03	25S	27E	577778.0	3557839.9		CORE #1-J
C_04939_POD2	NA		NE	SW	SE	03	25S	27E	577777.5	3557899.4		CORE #2-R
C_04939_POD3	NA		NW	SW	NW	35	24S	27E	578427.1	3560346.0		CORE #3-T

* UTM location was derived from PLSS - see Help

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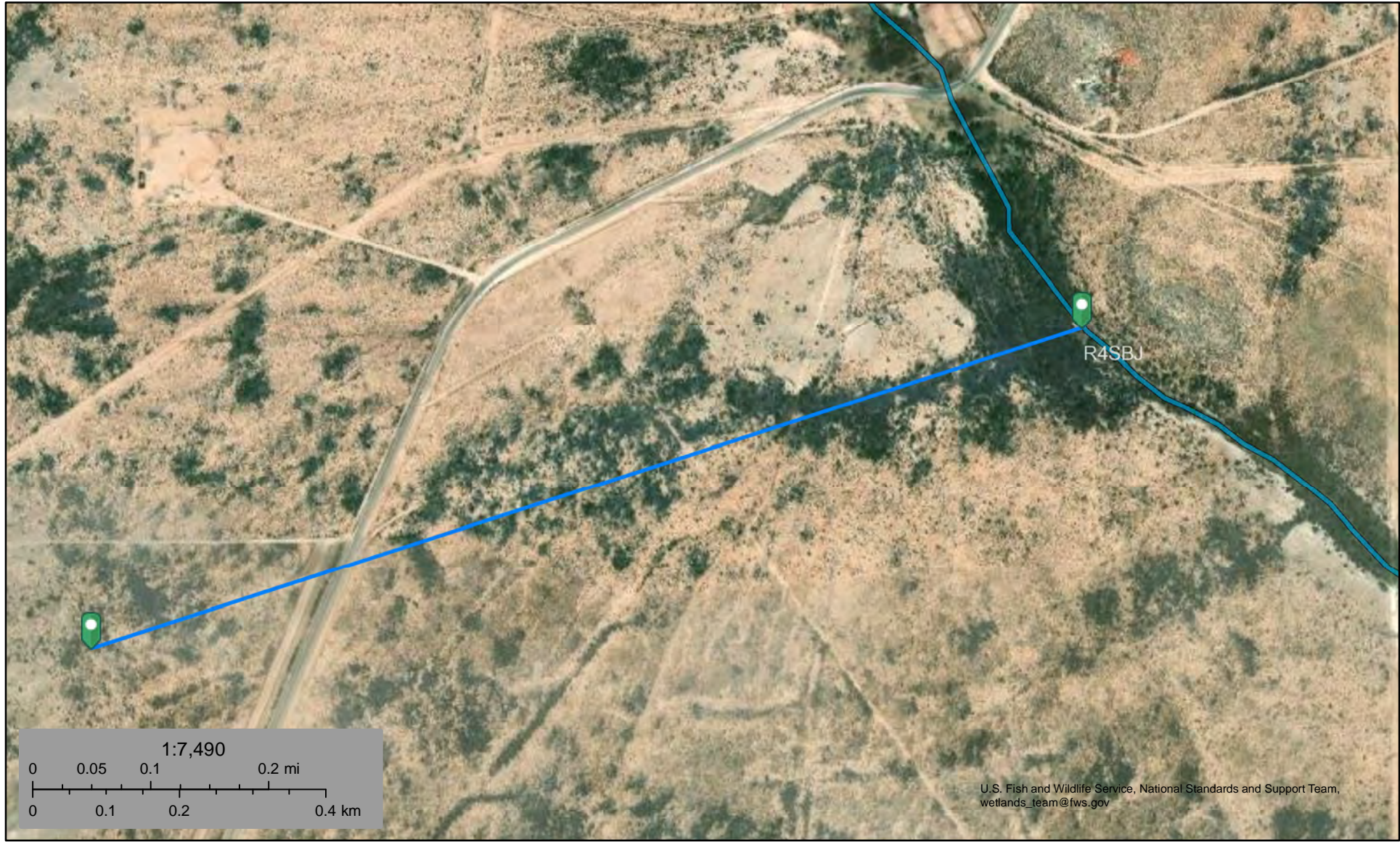
6/9/25 8:23 AM MST

Water Rights Summary

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Pardon AST Watercourse 3,949ft.



June 9, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

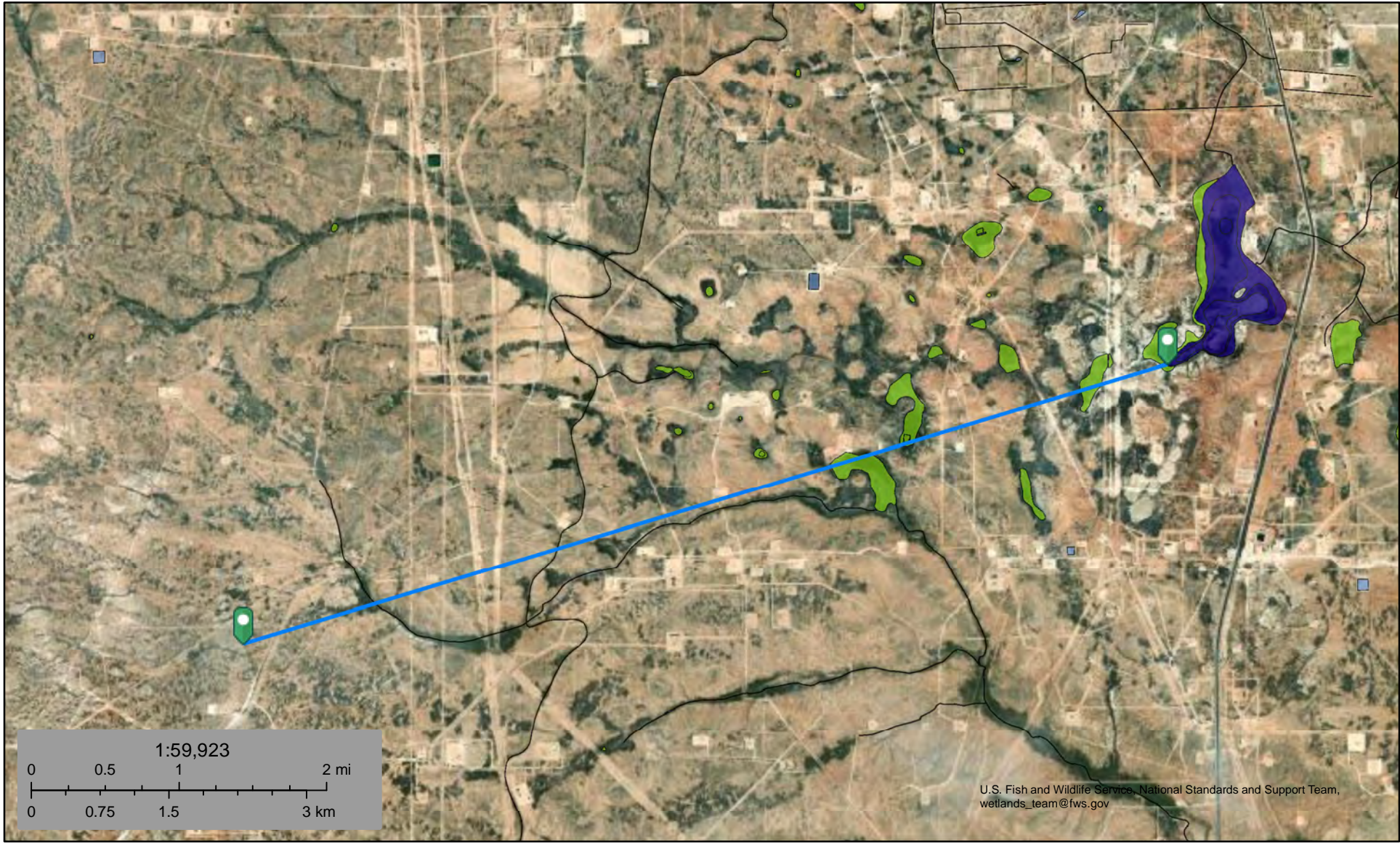
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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Pardon AST Lake 29,261ft.



June 9, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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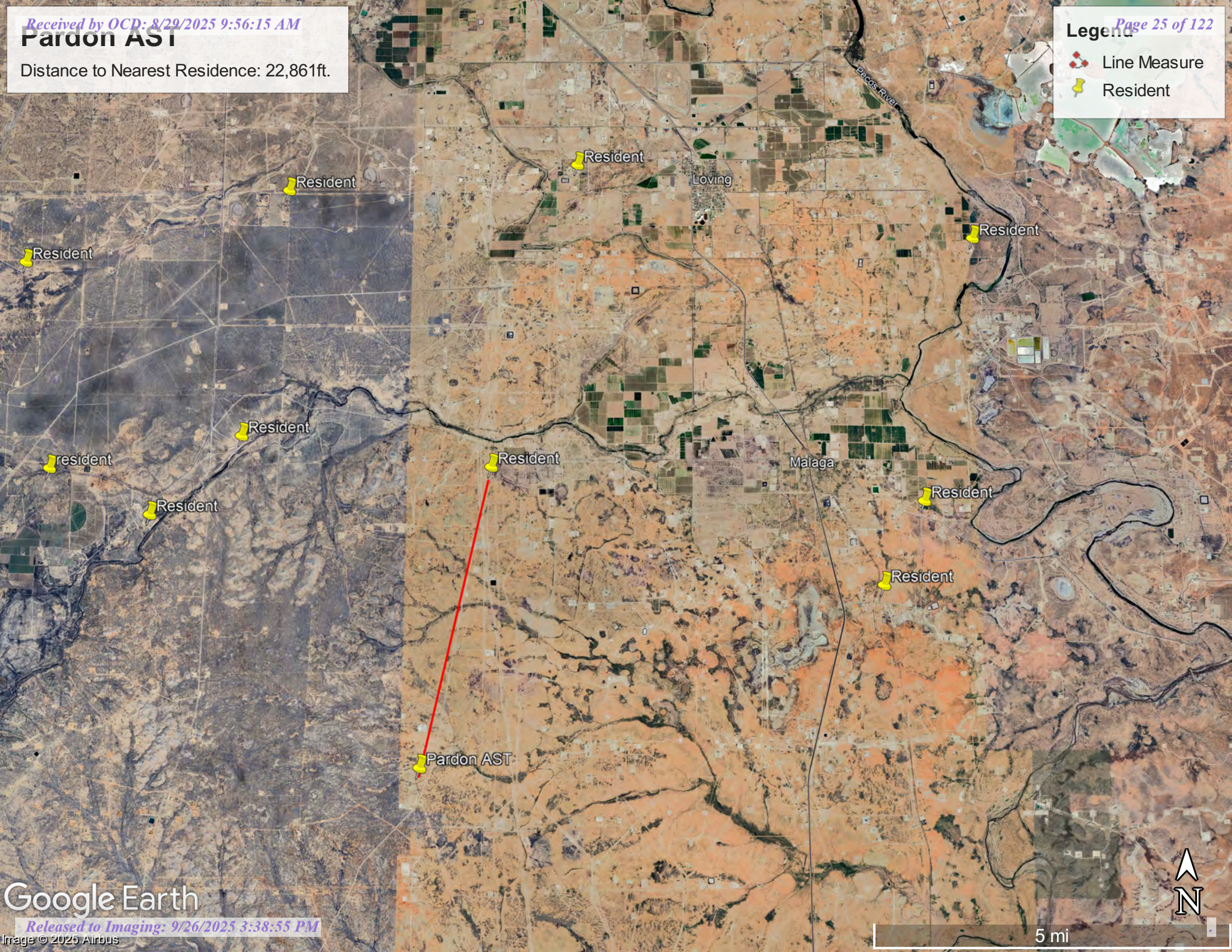
Pardon AST

Distance to Nearest Residence: 22,861ft.

Page 25 of 122

Legend

- Line Measure
- Resident



Active & Inactive Points of Diversion (with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	(R=POD has been replaced and no longer serves this file, C=the file is closed)					(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)		(NAD83 UTM in meters)		Map	Distance (meters)
											q64	q16	q4	Sec	Tws	Range	X	Y			
C 04939	CUB	MON	0.000	EOG RESOURCES	ED	C 04939.POD2	NA				NE	SW	SE	03	25S	27E	577777.5	3557899.4		782.2	
					ED	C 04939.POD1	NA				NE	SW	SE	03	25S	27E	577778.0	3557839.9		820.2	
C 03264	CUB	PLS	3.000	CLARAMAI R HAYHURST	ED	C 03264.POD1					NE	NW	NE	02	25S	27E	579391.0	3559099.0 *		1,229.1	
C 04939	CUB	MON	0.000	EOG RESOURCES	ED	C 04939.POD3	NA				NW	SW	NW	35	24S	27E	578427.1	3560346.0		1,959.1	
C 04847	CUB	MON	0.000	EOG RESOURCES	ED	C 04847.POD1	NA			Shallow	SE	NW	SE	36	24S	27E	580978.9	3559647.0		2,880.1	
C 03263	CUB	PLS	3.000	CLARAMAI R HAYHURST	ED	C 03263.POD1					NW	NW	NW	07	25S	28E	581628.0	3557501.0 *		3,358.2	
C 04892	CUB	EXP	0.000	MEWBOURNE OIL CO.	ED	C 04892.POD1	NA				SW	SW	SW	07	25S	28E	581666.6	3556038.9		4,032.2	
C 01721	C	STK	0.000	WILLIAM DIESCHER	ED	C 01721							NW	25	24S	27E	580271.0	3562033.0 *		4,102.9	
C 02942	C	PRO	0.000	SAMSON	ED	C 02942					SW	SE	SW	23	24S	27E	578748.0	3562516.0 *		4,144.3	
C 03262	CUB	PLS	3.000	CLARAMAI R HAYHURST	ED	C 03262.POD1					NE	NW	NE	22	25S	27E	577837.0	3554244.0 *		4,179.9	
C 01452	C	STK	3.000	WILLIAM DIESCHER	ED	C 01452				Shallow				22	24S	27E	577435.0	3563175.0 *		4,881.8	
C 04147	CUB	MON	0.000	GHD SERVICES INC	ED	C 04147.POD1	NA				SE	NW	SW	24	24S	27E	580100.9	3562969.8		4,891.9	
C 02307	C	STK	3.000	HORACE HOLLAND	ED	C 02307								23	25S	27E	579170.0	3553530.0 *		4,919.7	

Record Count: 13

Filters Applied:

UTM Filters (in meters):

Easting: 578388.86
 Northing: 3558387.30
 Radius: 5000.0

Sorted By: Distance

* UTM location was derived from PLSS - see Help

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Active & Inactive Points of Diversion

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Water Right Summary



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WR File Number:	C 03264	Subbasin:	CUB	Cross Reference:	
Primary Purpose:	PLS NON 72-12-1 LIVESTOCK WATERING				
Primary Status:	DCL Declaration				
Total Acres:	0.000	Subfile:		Header:	
Total Diversion:	3.000	Cause/Case:			
Owner:	CLARAMAI R HAYHURST	Owner Class:	Owner		

Documents on File

(acre-feet per

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Cc
	352214	DCL	2005-07-10	DCL	PRC	C 03264	T	0.000	3.000	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C_03264 POD1			NE	NW	NE	02	25S	27E	579391.0	3559099.0 *		

* UTM location was derived from PLSS - see Help

Priority Summary

Priority	Status	Acres	Diversion	POD Number	Source
1964-05-06	DCL	0.000	3.000	C_03264 POD1	

Place of Use

Q256	Q64	Q16	Q4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
							0.000	3.000		PLS	1964-05-06	DCL	NO PLACE OF USE GIVEN

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0.000	3.000		PLS	1964-05-06	GW	

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Pardon AST Wetland 14,508ft



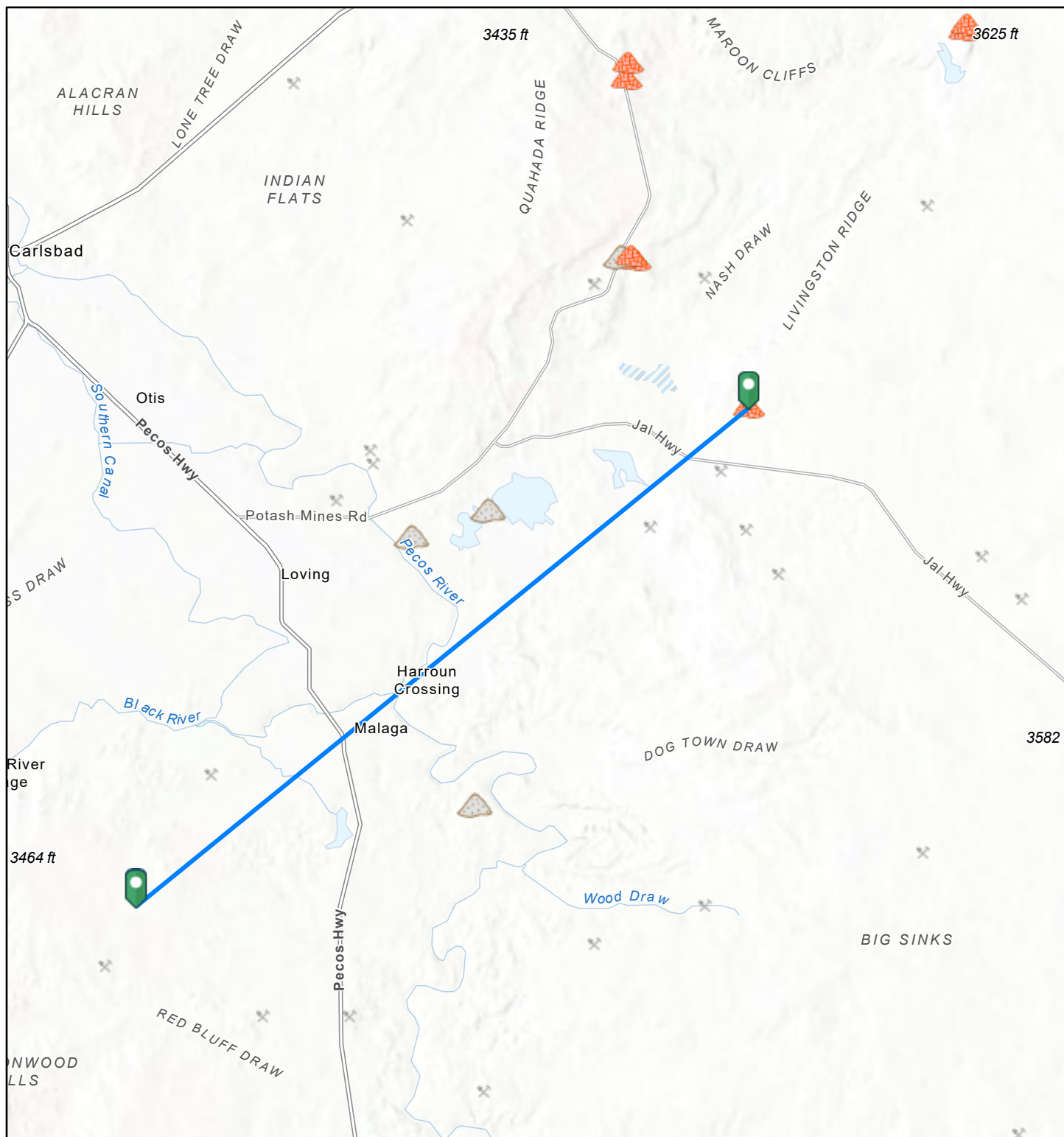
June 9, 2025

Wetlands

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

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Padron 10 State Com CTB AST Mine 113,104ft

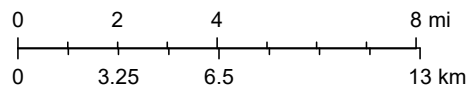


7/6/2025, 5:06:21 PM

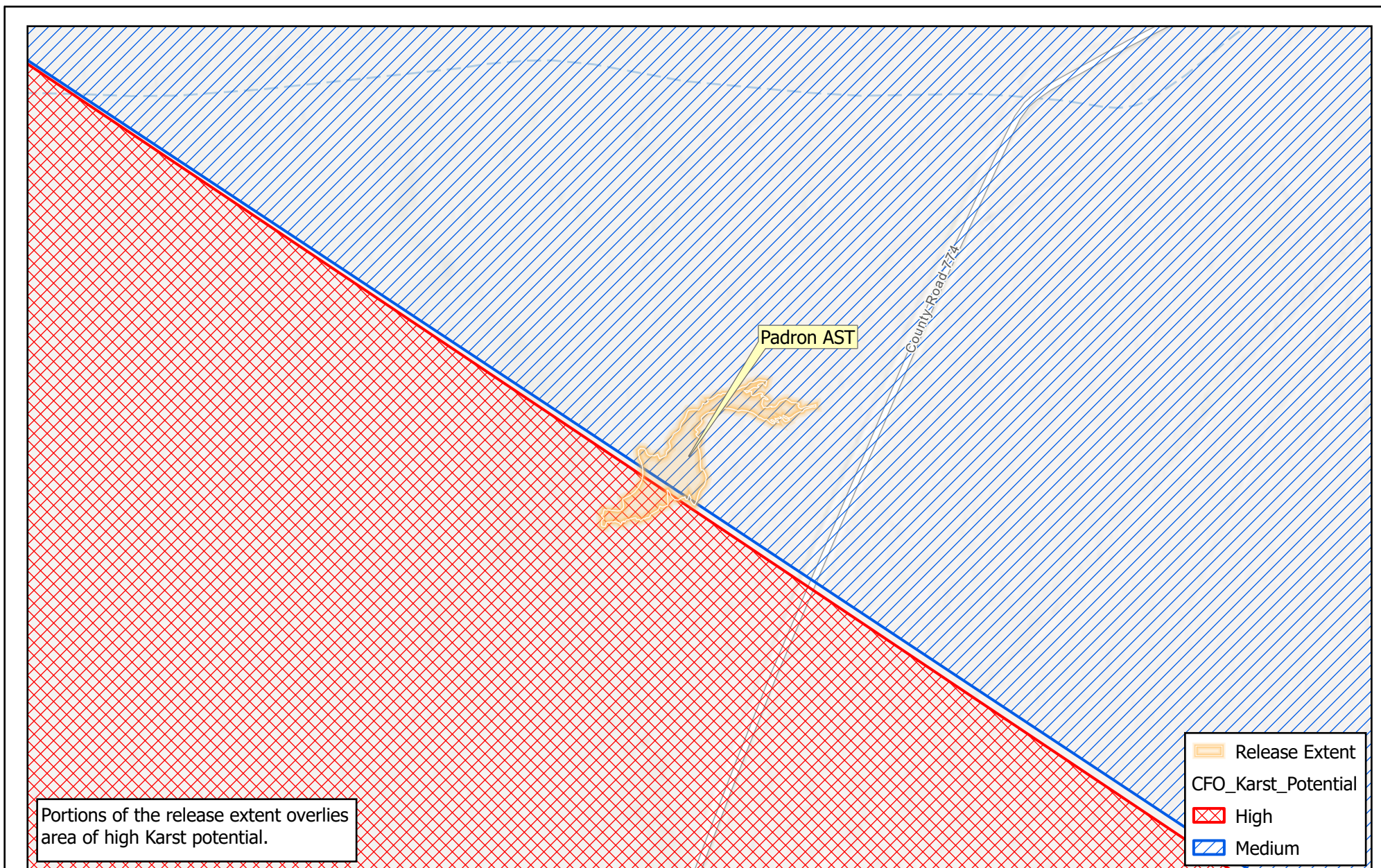
1:288,895


Registered Mines

- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Potash
- Salt




Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community




 Map Center: Lat/Long: 32.159916°N, 104.167749°W
 Date: Jun 09/25
 NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Karst Potential Pardon AST

FIGURE: X 




Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes. Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

Pardon AST

Distance to Nearest FEMA Zone A: 3,288ft

Legend

-  FEMA Zone A
-  Line Measure
-  Pardon AST



National Flood Hazard Layer FIRMette



104°10'26"W 32°9'48"N



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 Water Surface Elevation
		17.5 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



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 6/9/2025 at 4:30 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 9/26/2025 3:38:55 PM

1:6,000 Basemap Imagery Source: USGS National Map 2023

Custom Soil Resource Report

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GC	Gypsum land-Cottonwood complex, 0 to 3 percent slopes	11.5	32.0%
RM	Reeves-Reagan loams, 0 to 3 percent slopes	24.4	68.0%
Totals for Area of Interest		35.9	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the

Custom Soil Resource Report

development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Custom Soil Resource Report

Eddy Area, New Mexico**GC—Gypsum land-Cottonwood complex, 0 to 3 percent slopes****Map Unit Setting**

National map unit symbol: 1w4g
Elevation: 1,250 to 5,000 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 66 degrees F
Frost-free period: 190 to 225 days
Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 60 percent
Cottonwood and similar soils: 30 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gypsum Land**Setting**

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Description of Cottonwood**Setting**

Landform: Ridges, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 60 inches: bedrock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 3 to 12 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
 (0.20 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None

Custom Soil Resource Report

Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Minor Components**Rock outcrop**

Percent of map unit: 5 percent
Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent
Ecological site: R070BC033NM - Salty Bottomland
Hydric soil rating: No

RM—Reeves-Reagan loams, 0 to 3 percent slopes**Map Unit Setting**

National map unit symbol: 1w5g
Elevation: 1,100 to 4,400 feet
Mean annual precipitation: 7 to 25 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

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

Description of Reeves**Setting**

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Custom Soil Resource Report

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 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): 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: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Description of Reagan**Setting**

Landform: Fan remnants, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 30 inches: loam
H3 - 30 to 82 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
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: 50 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 15.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Custom Soil Resource Report

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Cottonwood

Percent of map unit: 5 percent
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Gypsum land

Percent of map unit: 5 percent
Hydric soil rating: No

Upton

Percent of map unit: 5 percent
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No



Ecological site R070BC007NM Loamy

Accessed: 06/09/2025

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site occurs on uplands landforms, mainly on hill slopes, ridges, plains, terraces and some fan remnants. Slopes range from 1 to 5 percent and average about 3 percent. Average annual precipitation is about 8 to 14 inches. Elevations range from 2,842 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Plain (2) Terrace (3) Fan piedmont
Flooding frequency	None
Ponding frequency	None
Elevation	2,842–5,000 ft

Slope	0–5%
Aspect	E, S, W

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 207 to 220 days. The last killing frost is in late March or early April, and the first killing frost is in late October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest in January through June rapidly drying out the soil during a critical time for cool season plant growth.

Climate data was obtained from <http://www.wrcc.sage.dri.edu/summary/climsmnm.html> web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced by wetland or streams.

Soil features

The soils of this site are deep to moderately deep. The moderately deep soils have either a petrocalcic, petrogypsic or gypsum horizon between 30 and 40 inches.

Surface textures are loam, silt loam, very fine sandy loam, or clay loam. Substratum textures are loam, silty clay loam, clay loam, or silt loams. Subsoil textures are silt loam, clay loam silty clay loam, gravelly loam, gravelly clay loam or very gravelly loam.

Permeability is moderate to slow and the available water holding capacity is high to

moderate. The Atoka, Reeves, Russler, Milner soils may have high amounts of CaCO₃, ranging as high as 40 percent in the subsoil. Rock fragments range from 5 to 50 percent in the subsoil. Reeves, Rusler, Milner, Holloman soils will have 40 to 80 percent gypsum in the underlying material.

Maximum and minimum values listed below represent the characteristic soils for this site.

Characteristic Soils:

- Atoka (petrocalcic)
- Bigetty
- Reagan
- Reakor
- Reeves (gypsum)
- Russler (gypsum)
- Largo
- Russler (gypsum)
- Largo
- Berino
- Tinney
- Midessa
- Ratliff
- Holloman (gypsum)
- Milner (gypsum)

Table 4. Representative soil features

Surface texture	(1) Loam (2) Very fine sandy loam (3) Silt loam
Family particle size	(1) Loamy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to slow
Soil depth	30–72 in
Surface fragment cover ≤3"	0–5%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	5–12 in
Calcium carbonate equivalent (0-40in)	0–10%
Electrical conductivity (0-40in)	0–8 mmhos/cm

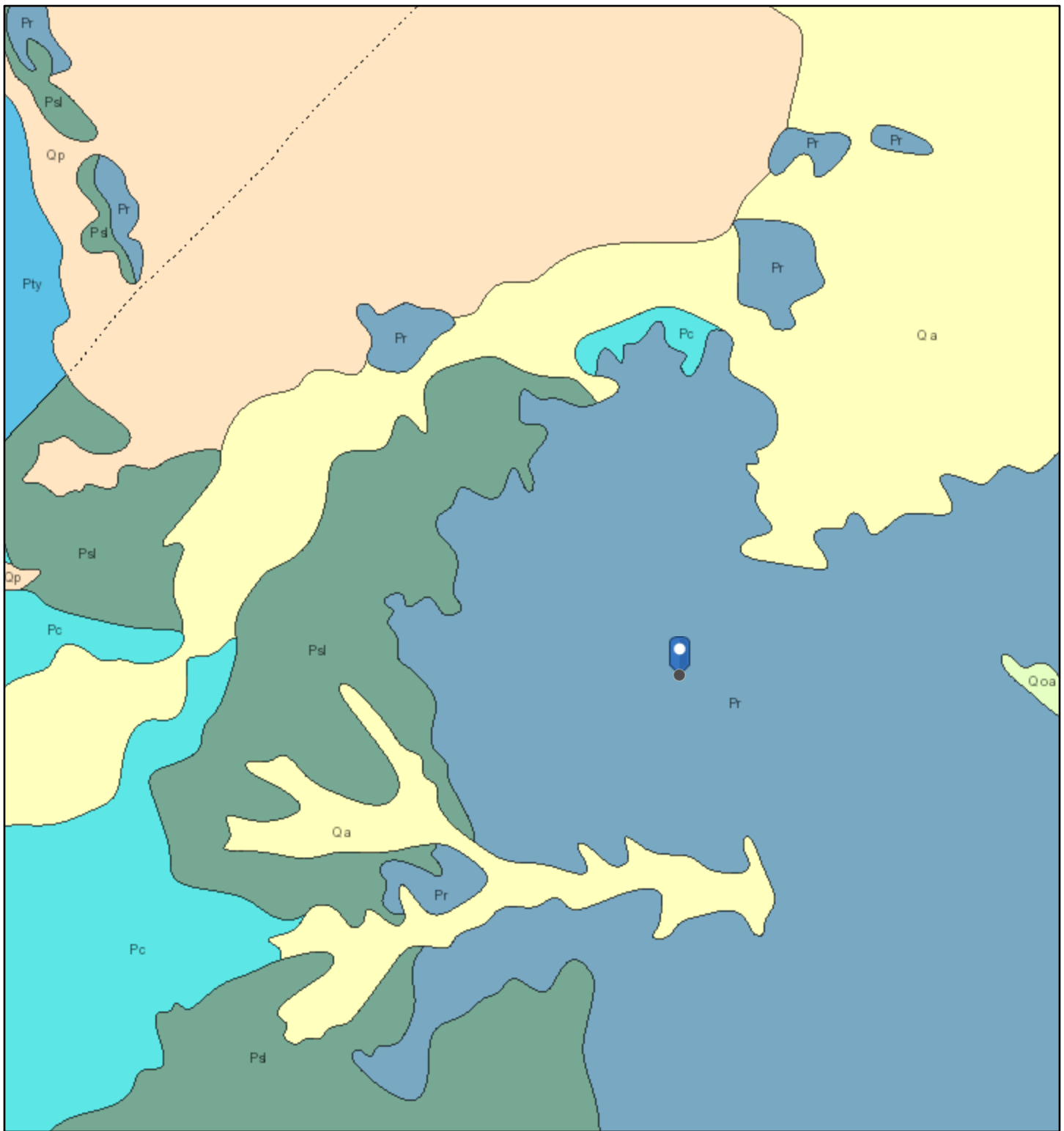
Sodium adsorption ratio (0-40in)	0-6
Soil reaction (1:1 water) (0-40in)	6.6-8.4
Subsurface fragment volume <=3" (Depth not specified)	0-5%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

Overview: The Loamy site is associated with the Gyp Upland ecological site with which it intergrades. There is a pronounced increase in alkali sacaton along this interface. The loamy site is also associated with the Gravelly and Shallow ecological sites from which it receives run-on water. The Draw site often dissects Loamy sites and is distinguished from the Loamy site by increased production or greater densities of woody species. The historic plant community has a grassland aspect, dominated by grasses with shrubs and half-shrubs sparse and evenly distributed. Tobosa, black grama and blue grama are the dominant species. Retrogression within this state is characterized by a decrease in black and blue grama and an increase in burrograss. Continuous overgrazing and drought can initiate a transition to a Burrograss- Grassland state. Continued reduction in grass cover and resulting infiltration problems may eventually effect a change to a Bare State, with very little or no remaining grass cover. Alternatively, creosotebush, tarbush or mesquite may expand or invade. Transitions back to a Grassland State from a Bare or Shrub-Dominated state are costly and may not be economically feasible. Decreased fire frequency may play a part in the transition to the Grass/Succulent Mix state with increased amounts of cholla and prickly pear.

State and transition model

Pardon AST Geology

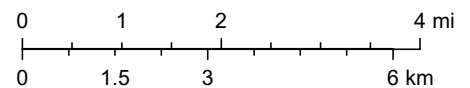


6/9/2025, 10:44:28 AM

1:144,448

Lithologic Units

- Playa—Alluvium and evaporite deposits (Holocene)
- Water—Perennial standing water
- Qa—Alluvium (Holocene to upper Pleistocene)



Esri, NASA, NGA, USGS, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data;

ArcGIS Web AppBuilder

ATTACHMENT 5



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 18, 2025

CHANCE DIXON

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: PADRON AST

Enclosed are the results of analyses for samples received by the laboratory on 06/12/25 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 01 0' (H253485-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49	
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/13/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 01 2' (H253485-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 02 0' (H253485-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 02 2' (H253485-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 02 4' (H253485-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 03 0' (H253485-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 03 2' (H253485-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 03 4' (H253485-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 04 0' (H253485-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1330	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 04 2' (H253485-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 05 0' (H253485-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 06/12/2025
 Reported: 06/18/2025
 Project Name: PADRON AST
 Project Number: 25A-02517
 Project Location: EOG - EDDY CO., NM

Sampling Date: 06/09/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH25 - 05 2' (H253485-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/09/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 05 4' (H253485-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 06 0' (H253485-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 06 2' (H253485-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 06 4' (H253485-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 07 0' (H253485-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 07 2' (H253485-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 08 0' (H253485-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9520	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 120 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 08 2' (H253485-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.71	85.5	2.00	4.49		
Toluene*	<0.050	0.050	06/13/2025	ND	1.79	89.4	2.00	4.26		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.78	88.9	2.00	3.36		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.27	87.8	6.00	3.58		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	217	109	200	3.47		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.4	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 08 4' (H253485-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 92.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 09 0' (H253485-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 09 2' (H253485-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 10 0' (H253485-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 88.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 10 2' (H253485-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 10 4' (H253485-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 11 0' (H253485-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/13/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 11 2' (H253485-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0	
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8	
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1	
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9	
Total BTEX	<0.300	0.300	06/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/13/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76	
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 12 0' (H253485-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 12 2' (H253485-30)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 13 0' (H253485-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 95.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/12/2025	Sampling Date:	06/10/2025
Reported:	06/18/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH25 - 13 2' (H253485-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2025	ND	1.91	95.7	2.00	12.0		
Toluene*	<0.050	0.050	06/13/2025	ND	2.01	100	2.00	12.8		
Ethylbenzene*	<0.050	0.050	06/13/2025	ND	1.98	98.9	2.00	13.1		
Total Xylenes*	<0.150	0.150	06/13/2025	ND	5.87	97.9	6.00	13.9		
Total BTEX	<0.300	0.300	06/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/13/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2025	ND	209	105	200	5.76		
DRO >C10-C28*	<10.0	10.0	06/13/2025	ND	199	99.7	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	06/13/2025	ND						

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource Services (Direct Bill to EOG)

BILL TO

ANALYSIS REQUEST

Project Manager: Chance Dixon
 Address: 3101 Boyd Drive
 City: Carlsbad State: NM Zip: 88220
 Phone #: 575.725.5001 Fax #: 575.725.5001
 Project #: 25A-02517 Project Owner: EOG
 Project Name: Padron AST
 Project Location: Eddy County
 Sampler Name: J. Rewis
 Lab I.D.:

P.O. #: Company: EOG Resources, Inc.
 Attn: Chase Settle
 Address: 5509 Champions Dr
 City: Midland State: TX Zip: 79706
 Phone #: 575.703.6537 Fax #:
 PRESERV. OTHER: SAMPLING

Sample I.D.	(G)GRAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	BTEX (8021)			TPH:8015D(GRO / DRO / MRO)			Chloride																		
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER ACID/BASE	ICE / COOL			OTHER																								
11 BH25-05 0'	G	1	X								6.9.25	14:40	X	X	X																					
12 BH25-05 2'	G	1	X								6.9.25	14:50	X	X	X																					
13 BH25-05 4'	G	1	X								6.9.25	15:00	X	X	X																					
14 BH25-06 0'	G	1	X								6.10.25	7:50	X	X	X																					
15 BH25-06 2'	G	1	X								6.10.25	8:00	X	X	X																					
16 BH25-06 4'	G	1	X								6.10.25	8:10	X	X	X																					
17 BH25-07 0'	G	1	X								6.10.25	8:20	X	X	X																					
18 BH25-07 2'	G	1	X								6.10.25	8:30	X	X	X																					
19 BH25-08 0'	G	1	X								6.10.25	8:50	X	X	X																					
20 BH25-08 2'	G	1	X								6.10.25	9:00	X	X	X																					

PLEASE NOTE: Labels and Sample: Cardinal labels and covers include samples for any case being labored based on correct or not. Small labels are included in the report sent to the client for the storage of samples including those for temperature and any other case information. Small labels are included in the report sent to the client for the storage of samples including those for temperature and any other case information. Small labels are included in the report sent to the client for the storage of samples including those for temperature and any other case information. Small labels are included in the report sent to the client for the storage of samples including those for temperature and any other case information.

Relinquished By: [Signature] Date: 6.12.25 Received By: [Signature] Date: 6.12.25
 Time: 1:35 PM
 Observed Temp: 0.5 °C Corrected Temp: 0.8 °C
 Sample Condition: Cool Moist Other
 CHECKED BY: [Signature] (Initials) J.C.
 Remarks: Direct Bill to EOG Resources
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address: cdixon@vertexresource.com, jrewis@vertexresource.com, permalin@vertexresource.com
 Temperature: Standard Observed Temp:
 Thermometer ID: 113 #1140
 Correction Factor: -0.35 +0.35
 Corrected Temp:
 Form: 006 R 3 Z 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource Services (Direct Bill to EOG)

BILL TO

ANALYSIS REQUEST

Project Manager: Chance Dixon
 Address: 3101 Boyd Drive
 City: Carlsbad State: NM Zip: 88220
 Phone #: 575.725.5001 Fax #: 575.725.5001
 Project #: 25A-02517 Project Owner: EOG
 Project Name: Padron AST
 Project Location: Eddy County
 Sampler Name: J. Rewis

P.O. #:
 Company: EOG Resources, Inc
 Attn: Chase Settle
 Address: 5509 Champions Dr.
 City: Midland
 State: TX Zip: 79706
 Phone #: 575.703.6537
 Fax #:

FOR LAB USE ONLY
Lab I.D.

Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER					
H253485		1							6.10.25	9:10	X	X	X
81 BH25-08 4'		1							6.10.25	9:30	X	X	X
82 BH25-09 0'		1							6.10.25	9:40	X	X	X
83 BH25-09 2'		1							6.10.25	10:00	X	X	X
84 BH25-10 0'		1							6.10.25	10:10	X	X	X
85 BH25-10 2'		1							6.10.25	10:20	X	X	X
86 BH25-10 4'		1							6.10.25	10:40	X	X	X
87 BH25-11 0'		1							6.10.25	10:50	X	X	X
88 BH25-11 2'		1							6.10.25	13:00	X	X	X
89 BH25-12 0'		1							6.10.25	13:10	X	X	X
90 BH25-12 2'		1							6.10.25				

ANALYST NOTE: Lability and Durability: Customer's liability and durability are limited to any claim arising out of the amount paid by the customer for the services of the laboratory. The laboratory does not warrant the accuracy of the results of the analysis and does not warrant the accuracy of the results of the analysis. The laboratory is not responsible for the results of the analysis. The laboratory is not responsible for the results of the analysis. The laboratory is not responsible for the results of the analysis.

Relinquished By: [Signature] Date: 6.17.25 Time: 1:30
 Received By: [Signature] Date: [] Time: []
 Checked By: [Signature] (Initials)
 Verbal Result: Yes No
 Add'l Phone #: []
 All Results are emailed. Please provide Email address: []
 Remarks: Direct Bill to EOG
 Transferred Time: Standard Backlog (only) Sample Condition
 Thermometer ID: K13 Cool Meas: Observed Temp: 0.5
 Correction Factor: -0.5 #HND +0.38
 Yes No Yes No Yes No Yes No Yes No Yes No

FORM-006 R.3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource Services (Direct Bill to EOG)

BILL TO

ANALYSIS REQUEST

Project Manager: Chance Dixon	P.O. #:	Company: EOG Resources, Inc
Address: 3101 Boyd Drive		Attn: Chase Settle
City: Carlsbad State: NM Zip: 88220		Address: 5509 Champions Dr.
Phone #: 575.726.5001 Fax #: 575.726.5001		City: Midland
Project #: 25A-02517 Project Owner: EOG		State: TX Zip: 79706
Project Name: Padron AST		Phone #: 575.703.6537
Project Location: Eddy County		Fax #:
Sampler Name: J. Rewis		
FOR LAB USE ONLY		
Lab I.D.		

Sample I.D.	BH25-13 0'	BH25-13 2'	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	BTEX (8021)			TPH:8015D(GRO / DRO / MRO)			Chloride				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER			ACID/BASE	ICE / COOL	OTHER	PRESERV.	SAMPLING						

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Relinquished By:	Date: 6.12.25	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 7:35D	Date: 6.12.25	Received By: [Signature]	All Results are emailed. Please provide Email address: cdixon@vertexresource.com, jrewis@vertexresource.com, permalin@vertexresource.com	
Time:	Date:	Received By: [Signature]	REMARKS: Direct Bill to EOG Resources	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Sample Condition Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Wet <input checked="" type="checkbox"/> Dry <input type="checkbox"/> No <input type="checkbox"/> No	Temperature: Standard <input checked="" type="checkbox"/> Backtit (w/1 sample condition)	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Observed Temp. °C: 8.8	Checked By: [Signature]	Thermometer ID: A13 #144	<input type="checkbox"/> Yes <input type="checkbox"/> No
			Correction Factor: -0.3°C	<input type="checkbox"/> Yes <input type="checkbox"/> No
			Observed Temp. °C: +0.3°C	<input type="checkbox"/> Yes <input type="checkbox"/> No
			Corrected Temp. °C:	<input type="checkbox"/> Yes <input type="checkbox"/> No



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 02, 2025

CHANCE DIXON

VERTEX RESOURCE

3101 BOYD DRIVE

CARLSBAD, NM 88220

RE: PADRON AST

Enclosed are the results of analyses for samples received by the laboratory on 06/26/25 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

- Method EPA 552.2 Haloacetic Acids (HAA-5)
- Method EPA 524.2 Total Trihalomethanes (TTHM)
- Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 14 2.0' (H253848-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83	
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/27/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 06/26/2025
 Reported: 07/02/2025
 Project Name: PADRON AST
 Project Number: 25A-02517
 Project Location: EOG - EDDY CO., NM

Sampling Date: 06/23/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 25 - 15 4.0' (H253848-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.01	100	2.00	2.83		
Toluene*	<0.050	0.050	06/27/2025	ND	2.07	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.06	103	2.00	2.81		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.11	102	6.00	1.37		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	189	94.4	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	177	88.4	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 16 2.0' (H253848-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 82.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/23/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 17 2.0' (H253848-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.2 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 18 2.0' (H253848-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 19 2.0' (H253848-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 82.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 20 0.0' (H253848-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 91.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 20 2.0' (H253848-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64	
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/30/2025	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 21 0.0' (H253848-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 68.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.6 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 21 2.0' (H253848-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64	
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/30/2025	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.5 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 22 0.0' (H253848-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64	
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600	
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978	
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340	
Total BTEX	<0.300	0.300	06/27/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/30/2025	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45	
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND					

Surrogate: 1-Chlorooctane 72.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.2 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 22 2.0' (H253848-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 77.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.0 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 23 0.0' (H253848-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.4 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 23 2.0' (H253848-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 24 0.0' (H253848-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.4 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 24 2.0' (H253848-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 78.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.0 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 25 0.0' (H253848-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.2 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 25 2.0' (H253848-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.0 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 06/26/2025
 Reported: 07/02/2025
 Project Name: PADRON AST
 Project Number: 25A-02517
 Project Location: EOG - EDDY CO., NM

Sampling Date: 06/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 25 - 26 0.0' (H253848-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 70.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.3 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 26 2.0' (H253848-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/24/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 27 0.0' (H253848-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 75.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 06/26/2025
 Reported: 07/02/2025
 Project Name: PADRON AST
 Project Number: 25A-02517
 Project Location: EOG - EDDY CO., NM

Sampling Date: 06/24/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 25 - 27 2.0' (H253848-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	2.20	110	2.00	2.64		
Toluene*	<0.050	0.050	06/27/2025	ND	1.97	98.7	2.00	0.600		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	2.01	101	2.00	0.978		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	6.30	105	6.00	0.340		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/30/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	196	98.2	200	1.45		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	191	95.6	200	1.80		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 70.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 06/26/2025
 Reported: 07/02/2025
 Project Name: PADRON AST
 Project Number: 25A-02517
 Project Location: EOG - EDDY CO., NM

Sampling Date: 06/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 25 - 28 4.0' (H253848-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	1.94	96.8	2.00	4.09		
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	06/30/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	190	94.8	200	2.92		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 90.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.2 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 06/26/2025
 Reported: 07/02/2025
 Project Name: PADRON AST
 Project Number: 25A-02517
 Project Location: EOG - EDDY CO., NM

Sampling Date: 06/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 25 - 29 0.0' (H253848-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	1.94	96.8	2.00	4.09		
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	190	94.8	200	2.92		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 06/26/2025
 Reported: 07/02/2025
 Project Name: PADRON AST
 Project Number: 25A-02517
 Project Location: EOG - EDDY CO., NM

Sampling Date: 06/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 25 - 29 2.0' (H253848-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	1.94	96.8	2.00	4.09		
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/30/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	190	94.8	200	2.92		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.0 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received:	06/26/2025	Sampling Date:	06/25/2025
Reported:	07/02/2025	Sampling Type:	Soil
Project Name:	PADRON AST	Sampling Condition:	Cool & Intact
Project Number:	25A-02517	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO., NM		

Sample ID: BH 25 - 30 0.0' (H253848-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	1.94	96.8	2.00	4.09		
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/30/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	190	94.8	200	2.92		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE
 CHANCE DIXON
 3101 BOYD DRIVE
 CARLSBAD NM, 88220
 Fax To: NA

Received: 06/26/2025
 Reported: 07/02/2025
 Project Name: PADRON AST
 Project Number: 25A-02517
 Project Location: EOG - EDDY CO., NM

Sampling Date: 06/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 25 - 30 2.0' (H253848-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2025	ND	1.94	96.8	2.00	4.09		
Toluene*	<0.050	0.050	06/27/2025	ND	1.95	97.7	2.00	2.34		
Ethylbenzene*	<0.050	0.050	06/27/2025	ND	1.99	99.5	2.00	2.35		
Total Xylenes*	<0.150	0.150	06/27/2025	ND	5.95	99.2	6.00	2.35		
Total BTEX	<0.300	0.300	06/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/30/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/27/2025	ND	190	94.8	200	2.92		
DRO >C10-C28*	<10.0	10.0	06/27/2025	ND	204	102	200	1.65		
EXT DRO >C28-C36	<10.0	10.0	06/27/2025	ND						

Surrogate: 1-Chlorooctane 90.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.8 % 40.6-153

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource Services (Direct Bill to EOG Resources Inc)
 101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Project Manager: Chance Dixon
 Address: 3101 Boyd Drive

City: Carlsbad State: NM Zip: 88220
 Phone #: 575.725.5001 Fax #:

Project #: 25A-02517 Project Owner: EOG
 Project Name: Padron AST

Project Location: Eddy County
 Sampler Name: A. Ludvik

Lab I.D. FOR LAB USE ONLY

BILL TO P.O. #: Company: EOG Resources
 Attn: Chase Settle
 Address: 5509 Champions Dr.
 City: Midland State: TX Zip: 79706
 Phone #: 575.703.6537 Fax #:

Sample I.D.	DEPTH	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
1	BH25-14 2.0'	G	1	X							06.23.25	13:10	X	X	X
2	BH25-15 4.0'	G	1	X							06.23.25	13:45	X	X	X
3	BH25-16 2.0'	G	1	X							06.23.25	14:00	X	X	X
4	BH25-17 2.0'	G	1	X							06.23.25	14:25	X	X	X
5	BH25-18 2.0'	G	1	X							06.24.25	8:15	X	X	X
6	BH25-19 2.0'	G	1	X							06.24.25	8:45	X	X	X
7	BH25-20 0.0'	G	1	X							06.24.25	9:50	X	X	X
8	BH25-20 2.0'	G	1	X							06.24.25	9:55	X	X	X
9	BH25-21 0.0'	G	1	X							06.24.25	10:05	X	X	X
10	BH25-21 2.0'	G	1	X							06.24.25	10:10	X	X	X

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Relinquished By: *[Signature]* Date: 8/26/25 Received By: *[Signature]* Date: 8/26/25
 Time: 1340

Delivered By: (Circle One) UPS Bus Other
 Observed Temp. °C: 0.7°C Corrected Temp. °C: -0.4°C
 Sample Condition: Cool Ambient No Yes

Checked By: *[Signature]* Verbal Result: Yes No
 Please Email Results: Yes No
 Add'l Phone #:
 Thermometer ID #13 #140 Observed Temp. °C: 10.3°C
 Correction Factor -0.1°C
 Bacteria (only) Sample Condition: Yes No
 Corrected Temp. °C:
 FORM-006 R.3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: Vertex Resource Services (Direct Bill to EOG Resources Inc)

Project Manager: Chance Dixon
 Address: 3101 Boyd Drive

City: Carlsbad State: NM Zip: 88220
 Phone #: 575.725.5001 Fax #:

Project #: 25A-02517 Project Owner: EOG
 Project Name: Padron AST

Project Location: Eddy County
 Sampler Name: A. Ludvik

FOR USE ONLY
 Lab I.D.

BILL TO P.O. #: Company: EOG Resources
 Attn: Chase Settle
 Address: 5509 Champions Dr.
 City: Midland State: TX Zip: 79706
 Phone #: 575.703.6537 Fax #:

ANALYSIS REQUEST

Sample I.D.	(GIRAB OR (C)OMP)	# CONTAINERS	MATRIX							DATE	TIME	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE					
11 BH25-22 0.0'	G	1								06.24.25	10:20	X	X	X
12 BH25-22 2.0'	G	1								06.24.25	10:25	X	X	X
13 BH25-23 0.0'	G	1								06.24.25	10:40	X	X	X
14 BH25-23 2.0'	G	1								06.24.25	10:45	X	X	X
15 BH25-24 0.0'	G	1								06.24.25	10:55	X	X	X
16 BH25-24 2.0'	G	1								06.24.25	11:00	X	X	X
17 BH25-25 0.0'	G	1								06.24.25	11:10	X	X	X
18 BH25-25 2.0'	G	1								06.24.25	11:15	X	X	X
19 BH25-26 0.0'	G	1								06.24.25	11:50	X	X	X
20 BH25-26 2.0'	G	1								06.24.25	11:55	X	X	X

PLEASE NOTE: Labels and changes. Contact labels and correct revision needed for any down volume issued or contract at our end. The sample is the amount sent by the client for the analysis. All samples, including those for analysis and any other change whatsoever shall be returned to the client unless made printing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal. Regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* Date: 8-29-25
 Received By: *[Signature]* Date: 8-29-25
 Relinquished By: *[Signature]* Date: 8-29-25
 Received By: *[Signature]* Date: 8-29-25

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: Other

Observed Temp. °C: -0.7
 Corrected Temp. °C: -0.4

Sample Condition: Intact Cool No No

CHECKED BY: *[Signature]* (Initials)

Thermometer ID #148
 Correction Factor -0.3°C
 Date: 8/26/25

Verbal Result: Yes No
 Please Email Results: Yes No
 Add'l Phone #:

Chance Dixon (cdixon@vertexresource.com), Andrew Ludvik (aludvik@vertexresource.com),
 permian@vertexresource.com
 REMARKS: Direct Bill to EOG Resources Inc.



101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Resource Services (Direct Bill to EOG Resources Inc) **BILL TO** ANALYSIS REQUEST

Project Manager: Chance Dixon P.O. #: Company: EOG Resources

Address: 3101 Boyd Drive City: Carlsbad State: NM Zip: 88220 Attn: Chase Settle

Phone #: 575.725.5001 Fax #: Address: 5509 Champions Dr.

Project #: 25A-02517 Project Owner: EOG City: Midland

Project Name: Padron AST State: TX Zip: 79706

Project Location: Eddy County Phone #: 575.703.6537

Sampler Name: A Ludvik Fax #: Matrix: PRESERV. SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	DATE	TIME	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride
	BH25-27 0.0'	G 1	X	GROUNDWATER	06.24.25	12:05	X	X	X
	BH25-27 2.0'	G 1	X	WASTEWATER	06.24.25	12:10	X	X	X
	BH25-28 4.0'	G 1	X	SOIL	06.25.25	9:30	X	X	X
	BH25-29 0.0'	G 1	X	OIL	06.25.25	9:45	X	X	X
	BH25-29 2.0'	G 1	X	SLUDGE	06.25.25	9:50	X	X	X
	BH25-30 0.0'	G 1	X	OTHER:	06.25.25	11:50	X	X	X
	BH25-30 2.0'	G 1	X	ACID/BASE:	06.25.25	11:55	X	X	X
				ICE / COOL					
				OTHER:					

PLEASE NOTE: Labels and Temperature Controls labels and covers include verify for any error among whether based in contact or not. Water is treated to the amount used by the client for the analysis. All items including those for negligence and any other cause whatsoever shall be determined against unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated releases or otherwise.

Relinquished By: *[Signature]* Date: *8/28/25* Received By: *[Signature]* Date: *8/28/25*

Relinquished By: *[Signature]* Date: *8/28/25* Received By: *[Signature]* Date: *8/28/25*

Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C: *-0.7°C* Corrected Temp. °C: *-0.4°C*

Sample Condition: Cool Impact No No

Checked By: (Initials) *[Signature]*

Thermometer ID: *#1140* Correction Factor: *+0.3°C*

Turnover Time: Standard Backfill (only) Sample Condition: Yes No

Corrected Temp. °C: *6/26/25*

FORM-006 R 3.2 10/07/21

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

QUESTIONS

Action 500635

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 500635
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2515337712
Incident Name	NAPP2515337712 PADRON 10 STATE COM CTB AST @ FAPP2412725430
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2412725430] Padron 10 SC CTB

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	PADRON 10 STATE COM CTB AST
Date Release Discovered	06/01/2025
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Valve Produced Water Released: 65 BBL Recovered: 25 BBL Lost: 40 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Not answered.

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QUESTIONS, Page 2

Action 500635

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 500635
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>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.</i>	

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	<i>Not answered.</i>

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: Chase Settle Title: Safety & Environmental Rep II Email: chase_settle@eogresources.com Date: 06/13/2025
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QUESTIONS, Page 3

Action 500635

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 500635
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 75 and 100 (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	Between ½ and 1 (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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (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	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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
<i>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.</i>	
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)	9520
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	09/24/2025
On what date will (or did) the final sampling or liner inspection occur	10/31/2025
On what date will (or was) the remediation complete(d)	11/15/2025
What is the estimated surface area (in square feet) that will be reclaimed	23017
What is the estimated volume (in cubic yards) that will be reclaimed	1208
What is the estimated surface area (in square feet) that will be remediated	80106
What is the estimated volume (in cubic yards) that will be remediated	3946

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 500635

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 500635
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	FEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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 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: Chase Settle Title: Safety & Environmental Rep II Email: chase_settle@egoresources.com Date: 08/29/2025
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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 5

Action 500635

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 500635
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 500635

QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	509640
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/04/2025
What was the (estimated) number of samples that were to be gathered	130
What was the sampling surface area in square feet	26000

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	No
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CONDITIONS

Action 500635

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 500635
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	9/26/2025