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

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NRM2007645132
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Prima Exploration, Inc.	OGRID 329344
Contact Name Jacqueline Buczek	Contact Telephone 303-755-5681 ext. 109
Contact email jbuczek@primaex.com	Incident # *(assigned by OCD)* NRM2007645132
Contact mailing address 250 Fillmore Street, Suite 500 Denver, CO 80206	

Location of Release Source

Latitude 32.7131958 Longitude -103.6176529
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Edith Federal #001	Site Type
Date Release Discovered 3/11/2020	API# *(if applicable)* 30-025-28856

Unit Letter	Section	Township	Range	County
N	25	18S	33E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 225	Volume Recovered (bbls) 203
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Recycle pump timer failed, caused issue with the heater treater and pushed oil into the open top water tank. The oil spilled into the tank containment earthen berm.

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2007645132
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The spill is over 25 bbls.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Jacqueline Buczek reported the spill to Kelsey Wade at the BLM on 3/11/2020 by phone and e-mail.
Jacqueline Buczek reported the spill to Cristina Eads at OCD on 3/12/2020 by phone and e-mail

Initial Response

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

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

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

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

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

Printed Name: Jacqueline Buczek Title: Petroleum Engineer
Signature: Jacqueline M Buczek Date: 3/12/2020
email: jbuczek@primaex.com Telephone: 303-755-5681 ext. 109

OCD Only

Received by: Romona Marcus Date: 3/16/2020

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NRM2007645132
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	42.6 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Jacqueline Buczek Title: Petroleum Engineer

Signature: Jacqueline Buczek Date: 06-04-2020

email: jbuczek@primaex.com Telephone: 303-755-5681 ext. 109

OCD Only

Received by: _____ Date: _____

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Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Jacqueline Buczek Title: Petroleum Engineer

Signature: Jacqueline M Buczek Date: 06-04-2020

email: Jbuczek@primaex.com Telephone: 303-755-5681 ext. 109

OCD Only

Received by: _____ Date: _____

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: _____ Date: _____

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Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

talonlpe.com • 866.742.0742

TALON LPE

Soil Assessment and Remediation Work Plan

Edith Federal #001
Lea County, New Mexico
API # 30-025-28856, Incident # NRM2007645132

Prepared For:

Prima Exploration, Inc.
250 Fillmore Street, Suite 500
Denver, Colorado 80206

Prepared By:

TALON/LPE
408 West Texas Avenue
Artesia, New Mexico 88210

May 21, 2020

Jacqueline Buczek
Prima Exploration, Inc.
250 Fillmore Street, Suite 500
Denver, CO 80206

Subject: **Soil Assessment and Remediation Work Plan**
Edith Federal #001
Lea County, New Mexico
API# 30-025-28856, Incident # NRM2007645132

Dear Ms. Buczek,

Prima Exploration, Inc. (Prima) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities are contained herein.

Site Information

Edith Federal #001 is located approximately twenty-eight (28) miles west of Hobbs, New Mexico. The legal location for this release is Unit Letter N, Section 25, Township 18 South and Range 33 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.7131958 North and -103.6176529 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Kermit soils and dune land, 0 to 12 percent slopes. The referenced soil dta is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of fine sand derived from eolian and piedmont deposits. Drainage courses in this area are typically well drained.

The United States Geological Survey's National Water Information System indicates that the nearest groundwater is 42.6' below ground surface (BGS). See Appendix II for the referenced groundwater data. This facility is located within a low potential Karst area (Appendix I).

Site Characterization

Pursuant to Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 of the New Mexico Administrative Code (NMAC), if a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater.

Approximate Depth to Groundwater	**42.6 Feet/BGS**
☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole, or playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution, or church
☐Yes ☒No	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
☐Yes ☒No	Within 1000 feet of any fresh water well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined Municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

As this incident occurred in an area with less than 50-feet depth to groundwater (despite not meeting any of the above criteria), the closure criteria are as follows:

Table I
Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On March 11, 2020, approximately 225 barrels (bbls) of crude oil were discovered within the earthen containment surrounding the tank battery. A circulating pump timer failure caused an issue with the heater allowing oil to flow into the open water tank from which it overflowed. Approximately 203 bbls of this release were recovered using a vacuum truck. The initial C-141 is attached for reference in Appendix III.

Site Assessment

On May 6, 2020, Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected within and around the impacted area utilizing a hand auger. Sample locations are shown on the attached site plan and analytical results from our initial sampling event are presented in the following data table. A complete laboratory report can be found in Appendix V.

The impacted area is contained within the bermed area of the tank battery and is horizontally and vertically delineated.

Table 1 : *Initial Soil Sample Analysis*

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-1	0-1	5/6/2020	65.8	ND	3000	22400	1940	27340.0	4530
	2	5/6/2020	ND	ND	96.4	790	226	1112.4	36.3
	3	5/6/2020	0.0538	ND	ND	126	ND	126.0	23.7
	4	5/6/2020	ND	ND	ND	ND	ND	-	31.1
S-2	0-1	5/6/2020	ND	ND	ND	ND	ND	-	12
	2	5/6/2020	ND	ND	ND	ND	ND	-	ND
	3	5/6/2020	ND	ND	ND	ND	ND	-	ND
	4	5/6/2020	ND	ND	ND	ND	ND	-	14
S-3	0-1	5/6/2020	133	ND	4280	19000	1920	25200.0	207
	2	5/6/2020	172	2.28	4800	11300	1120	17220.0	10.6
	3	5/6/2020	0.645	ND	ND	301	ND	301.0	10.8
	4	5/6/2020	ND	ND	ND	92.6	ND	92.6	10.3
S-4	0-1	5/6/2020	ND	ND	ND	ND	ND	-	20.7
	2	5/6/2020	ND	ND	ND	ND	ND	-	20
	3	5/6/2020	ND	ND	ND	ND	ND	-	33.5
	4	5/6/2020	ND	ND	ND	ND	ND	-	45.3
S-5	0-1	5/6/2020	160	2.93	5480	21500	1880	28860.0	166
	2	5/6/2020	42	ND	248	1300	138	1686.0	22.8
	3	5/6/2020	ND	ND	ND	101	ND	101.0	10.2
	4	5/6/2020	ND	ND	ND	79.3	ND	79.3	ND
S-6	0-1	5/6/2020	ND	ND	ND	ND	ND	-	ND
	2	5/6/2020	ND	ND	ND	ND	ND	-	ND
	3	5/6/2020	ND	ND	ND	ND	ND	-	ND
	4	5/6/2020	ND	ND	ND	132	ND	132.0	18.4
S-7	0-1	5/6/2020	9.93	ND	564	6500	729	7793.0	824
	2	5/6/2020	0.264	ND	78.2	700	69.5	847.7	105
	3	5/6/2020	0.0998	ND	ND	ND	ND	-	66.4
	4	5/6/2020	ND	ND	ND	ND	ND	-	81.4
S-8	0-1	5/6/2020	ND	ND	ND	ND	ND	-	51.5
	2	5/6/2020	ND	ND	ND	ND	ND	-	14.6
	3	5/6/2020	ND	ND	ND	ND	ND	-	10.1
	4	5/6/2020	ND	ND	ND	ND	ND	-	27.9

ND= Analyte Not Detected

Proposed Remedial Actions

- The impacted area within earthen containment will be hand-excavated to a depth of 1.0-foot BGS. This will essentially remove the chloride impacts and the heavily saturated hydrocarbons. Upon completion, in-situ bioremediation treatment (Micro-Blaze) will be spray applied to break down the remaining hydrocarbons.

- The location well be resampled in 90-days to verify the treatment's effectiveness. If contaminant levels are still above remediation limits another treatment will be applied.

- Once TPH concentration is found to be below 100 mg/kg, the excavated area will be backfilled with new caliche.

- All the excavated material will be hauled to Lea Land LLC, a NMOCD approved solid waste disposal facility.

- A final closure report documenting the remedial actions performed and a Final C-141 will be provided to the NMOCD District I Office.

Note: Estimated Volumes: 5 - 5 gals. of Micro-Blaze chemical and 109 tons of backfill

Proposed Schedule for remediation - following NMOCD and BLM approval, contractors will be contacted and remediation will begin as promptly as possible, approximately within a two week period. Sampling will be conducted approximately 90 days after chemical is applied. Once soil samples test below Closure Criteria Table 1 specifications, remediation will be completed by backfilling with Caliche, within two weeks. Once remediation is completed the final C141 report will be filed in a timely manner.

Closure

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

TALON/LPE

Brandon Sinclair
Environmental Scientist

David J. Adkins
District Manager

Attachments:
Appendix I Site Maps
Appendix II Soil Survey & Groundwater Data
Appendix III Initial C-141
Appendix IV Photographic Documentation
Appendix V Laboratory Data

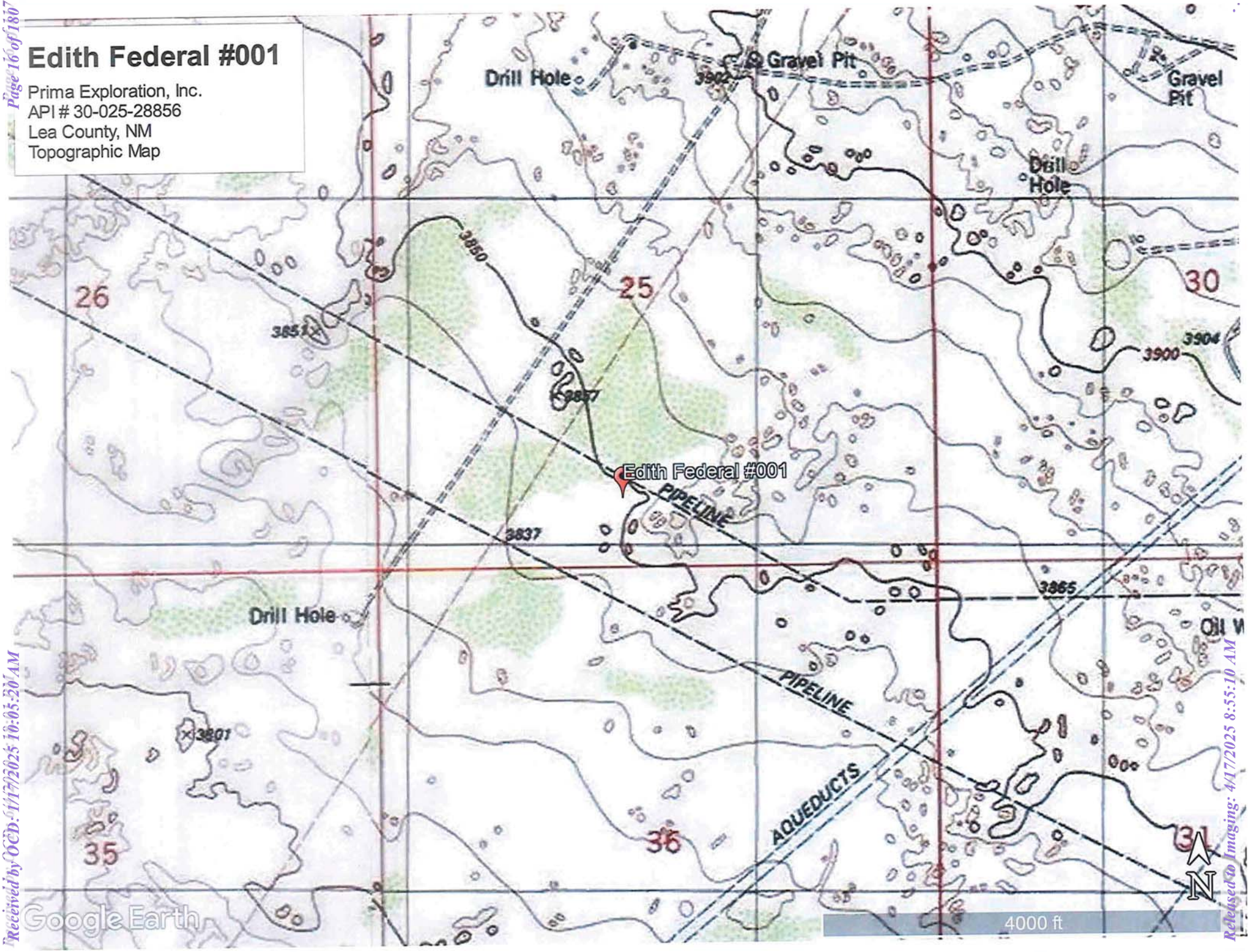
APPENDIX I

SITE MAPS


Edith Federal #001
Prima Exploration, Inc.
API # 30-025-28856
Lea County, NM
Site Map
Legend
Soil Sample
S-1
S-2
S-3
S-4
S-5
S-6
S-7
S-8
Google Earth
80 ft
N

Edith Federal #001

Prima Exploration, Inc.
API # 30-025-28856
Lea County, NM
Topographic Map




Edith Federal #001
Prima Exploration, Inc.
API # 30-025-28856
Lea County, NM
Karst Map
Legend
High
Low
Medium
Edith Federal #001
Google Earth
N
10 mi

National Flood Hazard Layer FIRMette

FEMA

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, Area of 1% annual chance flood with average depth less than one foot or with drainag areas of less than one square mile *Zone*
- 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*

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

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

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

N

The pin displayed on the map is an approximate point selected by the user and does not represe 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 5/20/2020 at 12:04:31 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

APPENDIX II

SOIL SURVEY

GROUNDWATER DATA

Lea County, New Mexico

KM—Kermit soils and dune land, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpx
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Dune land: 45 percent
Kermit and similar soils: 45 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dune Land

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear, concave
Across-slope shape: Convex

Typical profile

A - 0 to 6 inches: fine sand
C - 6 to 60 inches: fine sand

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8e
Hydrologic Soil Group: A
Hydric soil rating: No

Description of Kermit

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear, concave
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand

C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 5 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 3 percent
Gypsum, maximum in profile: 1 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 2.0
Available water storage in profile: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: Sandhills (R042XC022NM)
Hydric soil rating: No

Minor Components

Palomas

Percent of map unit: 3 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Pyote

Percent of map unit: 3 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Maljamar

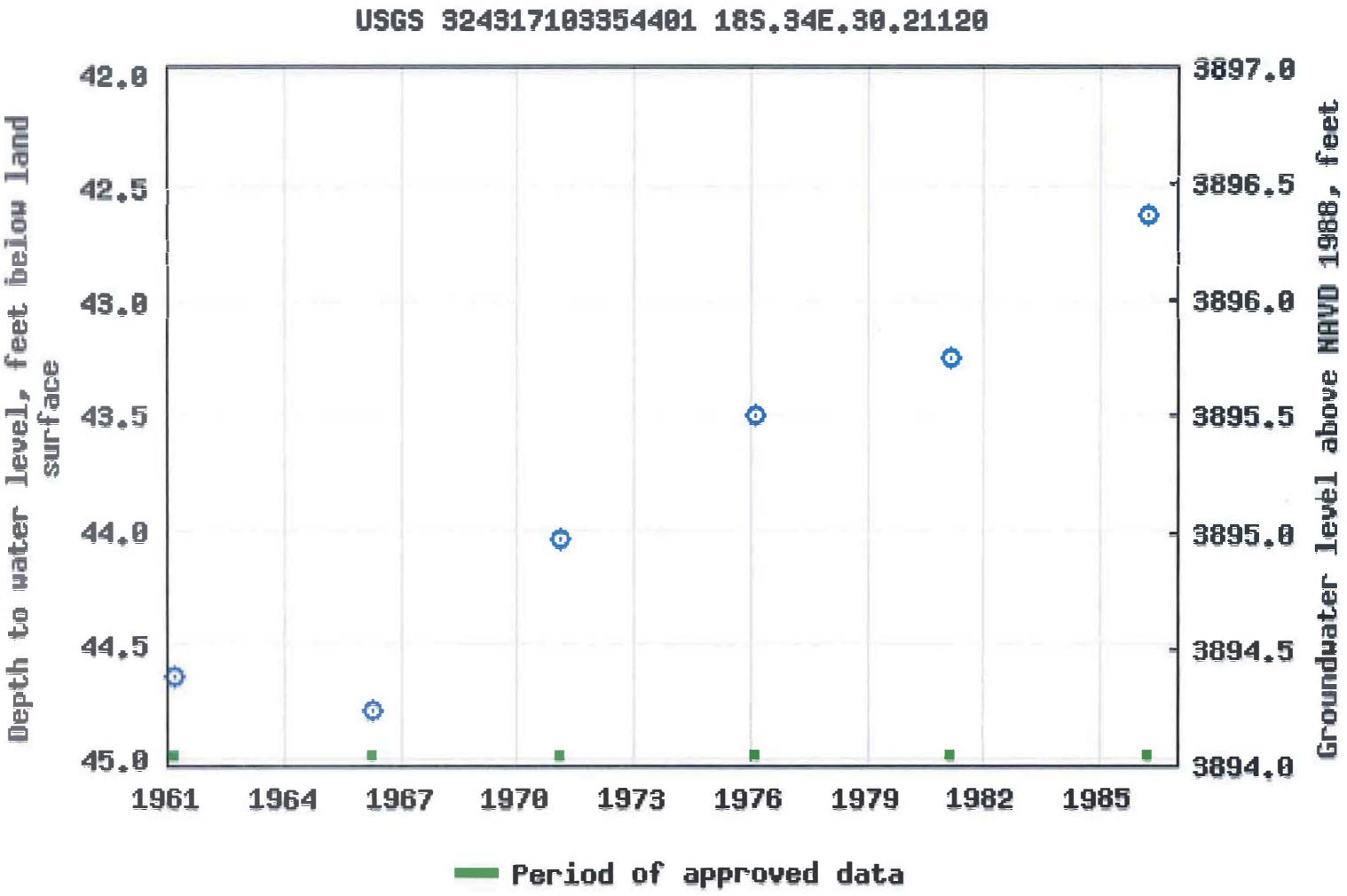
Percent of map unit: 2 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Wink

Percent of map unit: 2 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

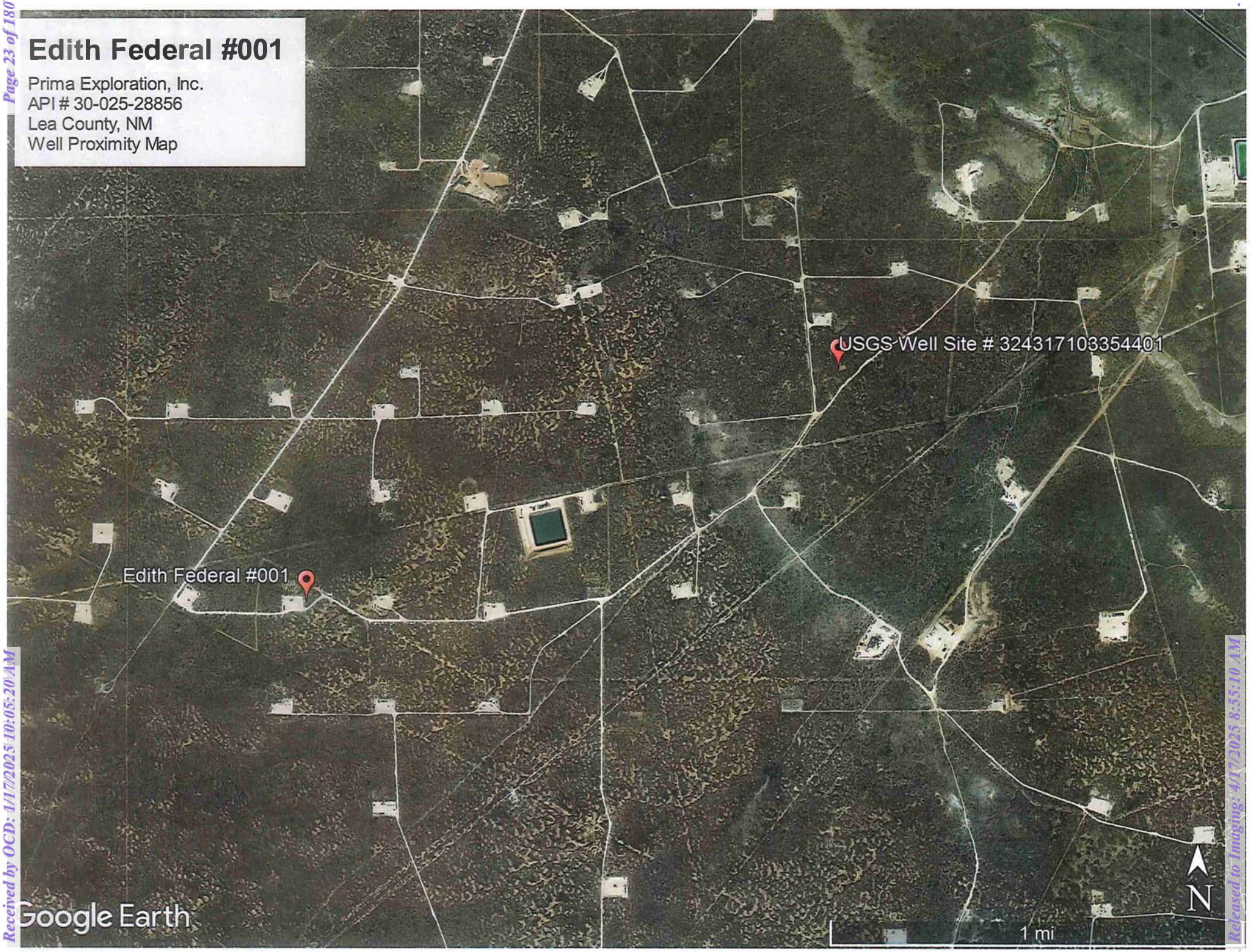
Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 16, Sep 15, 2019


USGS 324317103354401 18S.34E.30.21120
Depth to water level, feet below land surface
42.0
42.5
43.0
43.5
44.0
44.5
45.0
Groundwater level above NAVD 1988, feet
3897.0
3896.5
3896.0
3895.5
3895.0
3894.5
3894.0
1961
1964
1967
1970
1973
1976
1979
1982
1985
Period of approved data

Edith Federal #001

Prima Exploration, Inc.
API # 30-025-28856
Lea County, NM
Well Proximity Map



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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01584 POD1		CP	LE	2	1	3	30	18S	34E	630654	3620788	1368	500		
CP 00691		CP	LE	4	4	2	24	18S	33E	630327	3622662*	2747	215	195	20

Average Depth to Water: **195 feet**
Minimum Depth: **195 feet**
Maximum Depth: **195 feet**

Record Count: 2

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 629508.31 **Northing (Y):** 3620039.18 **Radius:** 3000

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

5/14/20 9:25 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

APPENDIX III

INITIAL C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Prima Exploration, Inc.	OGRID 329344
Contact Name Jacqueline Buczek	Contact Telephone 303-755-5681 x109
Contact email jbuczek@primaex.com	Incident # *(assigned by OCD)*
Contact mailing address 250 Fillmore Street, Suite 500 Denver,	CO 80206

Location of Release Source

Latitude 32.7131958 Longitude -103.6176529
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Edith Federal #001	Site Type
Date Release Discovered 3/11/2020	API# *(if applicable)* 30-025-28856

Unit Letter	Section	Township	Range	County
N	25	18S	33E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 225	Volume Recovered (bbls) 203
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Recycle pump timer failed, caused issue with the heater treater and pushed oil into the open top water tank. The oil spilled into the tank containment earthen berm.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The spill is over 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Jacqueline Buczek Reported spill to Kelsey Wade at the BLM on 3/11/2020 by phone and email Jacqueline Buczek Reported spill to Cristina Eads At OCD on 3/12/2020 by phone and email	

Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Jacqueline Buczek Title: Petroleum Engineer

Signature: Jacqueline M Buczek Date: 3/12/2020

email: jbuczek@primaex.com Telephone: 303-755-5681 x109

OCD Only

Received by: Date:

Form C-141
Page 7

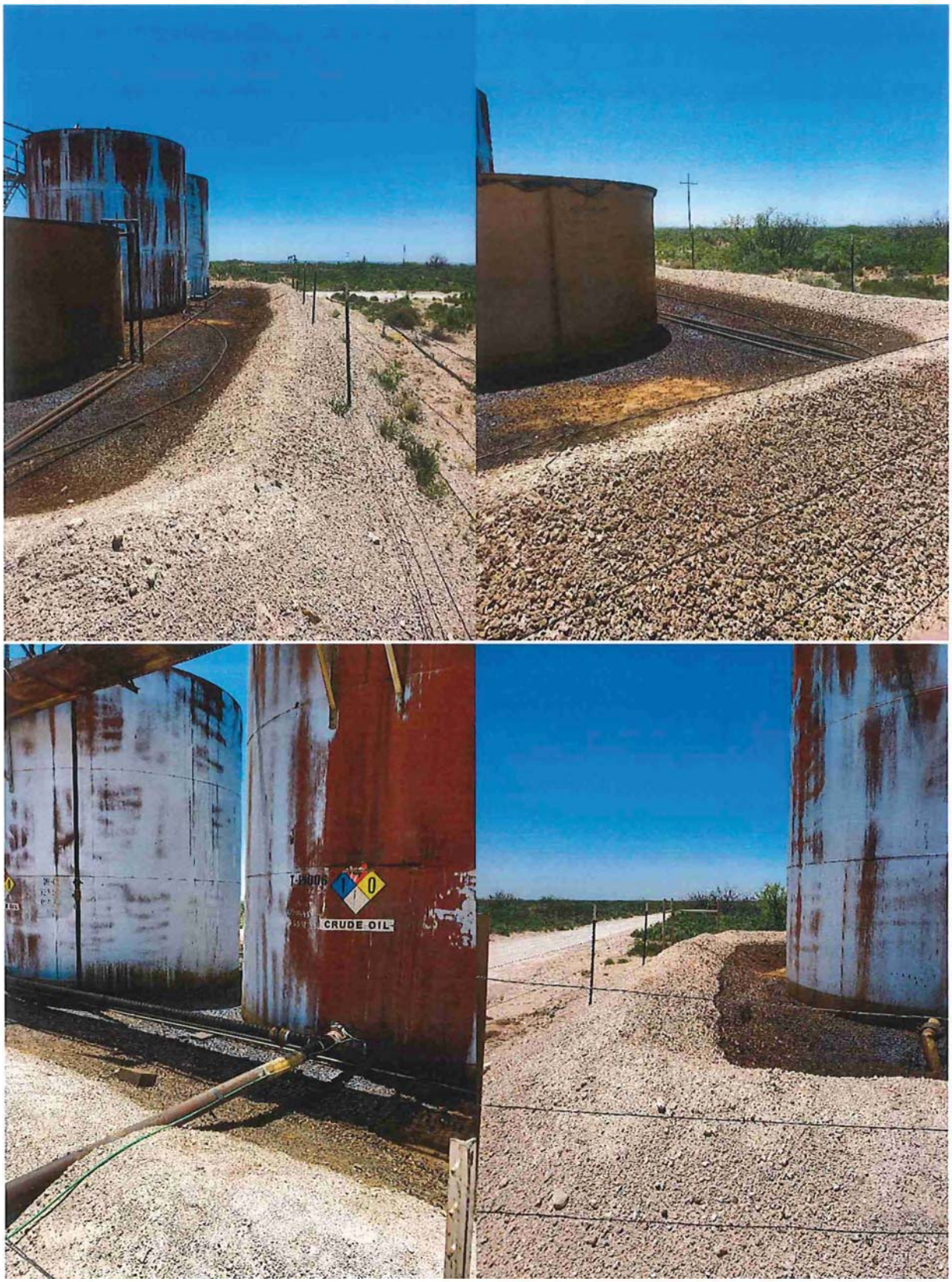
State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Action to date:
Immediately upon discovery, Prima verified the spill was contained to the tank containment earthen berm. A vac truck was used to recover as much oil as possible on 3/11/2020. 203 of the 225 bbls was recovered.

APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION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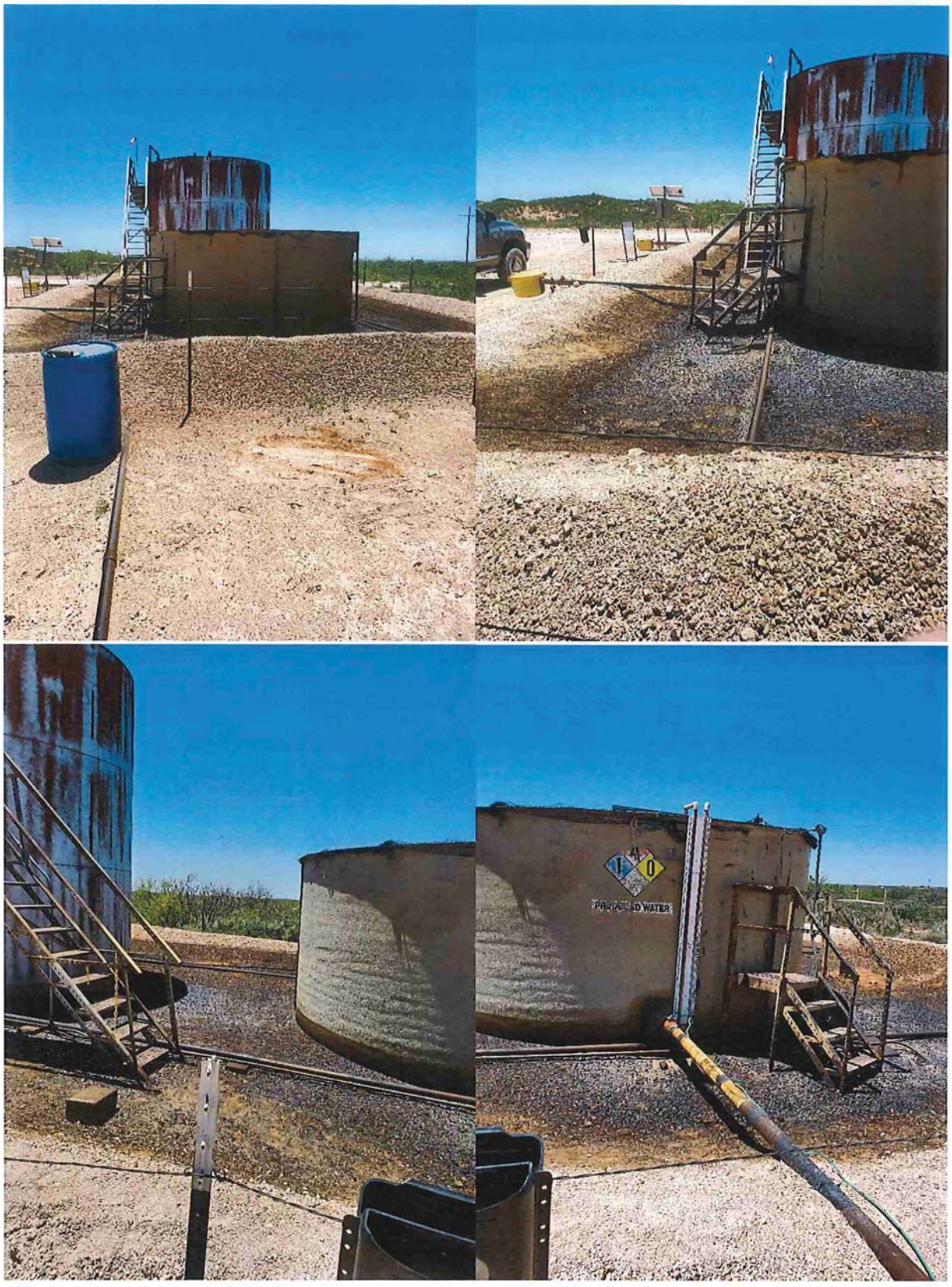
0
CRUDE OIL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POLLUTED WATER

APPENDIX V

LABORATORY DATA

Certificate of Analysis Summary 660809

Penasco Services, Carlsbad, NM

Project Name: Edith Federal #001

Project Id: API #30-025-28856
Contact: Kenny Long
Project Location: NM

Date Received in Lab: Wed 05.06.2020 15:15
Report Date: 05.11.2020 09:47
Project Manager: Jessica Kramer

Analysis Requested		660809-001		660809-002		660809-003		660809-004		660809-005		660809-006	
	Lab Id:	660809-001		660809-002		660809-003		660809-004		660809-005		660809-006	
	Field Id:	S-1		S-1		S-1		S-1		S-2		S-2	
	Depth:	0-1 ft		2- ft		3- ft		4- ft		0-1 ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00	
BTEX by EPA 8021B	*Extracted:*	05.07.2020 20:00		05.07.2020 20:00		05.07.2020 09:50		05.07.2020 09:50		05.07.2020 09:50		05.07.2020 09:50	
	Analyzed:	05.08.2020 06:30		05.08.2020 06:51		05.07.2020 16:35		05.07.2020 16:57		05.07.2020 17:18		05.07.2020 17:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.100	0.100	<0.00990	0.00990	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Toluene		5.07	0.402	<0.00990	0.00990	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		17.6	0.402	<0.00990	0.00990	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		29.0	0.803	<0.0198	0.0198	0.0222	0.00398	<0.00397	0.00397	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		14.1	0.402	<0.00990	0.00990	0.0316	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		43.1	0.402	<0.00990	0.00990	0.0538	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		65.8	0.100	<0.00990	0.00990	0.0538	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	*Extracted:*	05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05	
	Analyzed:	05.06.2020 19:30		05.06.2020 19:47		05.06.2020 19:53		05.06.2020 19:59		05.06.2020 20:05		05.06.2020 20:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		4530	99.6	36.3	9.98	23.7	10.0	31.1	10.0	12.0	9.98	<9.94	9.94
TPH By SW8015 Mod	*Extracted:*	05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00	
	Analyzed:	05.07.2020 05:23		05.07.2020 11:02		05.07.2020 05:02		05.07.2020 04:42		05.07.2020 03:21		05.07.2020 03:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		3000	501	96.4	50.2	<50.2	50.2	<49.8	49.8	<50.2	50.2	<50.0	50.0
Diesel Range Organics (DRO)		22400	501	790	50.2	126	50.2	<49.8	49.8	<50.2	50.2	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		1940	501	226	50.2	<50.2	50.2	<49.8	49.8	<50.2	50.2	<50.0	50.0
Total TPH		27300	501	1110	50.2	126	50.2	<49.8	49.8	<50.2	50.2	<50.0	50.0

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 660809

Penasco Services, Carlsbad, NM

Project Name: Edith Federal #001

Project Id: API #30-025-28856
Contact: Kenny Long
Project Location: NM

Date Received in Lab: Wed 05.06.2020 15:15
Report Date: 05.11.2020 09:47
Project Manager: Jessica Kramer

Analysis Requested		660809-007		660809-008		660809-009		660809-010		660809-011		660809-012	
	Lab Id:	660809-007		660809-008		660809-009		660809-010		660809-011		660809-012	
	Field Id:	S-2		S-2		S-3		S-3		S-3		S-3	
	Depth:	3- ft		4- ft		0-1 ft		2- ft		3- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00	
BTEX by EPA 8021B	Extracted:	05.07.2020 09:50		05.07.2020 09:50		05.07.2020 09:50		05.07.2020 09:50		05.07.2020 09:50		05.07.2020 09:50	
	Analyzed:	05.07.2020 18:44		05.07.2020 19:05		05.07.2020 20:52		05.07.2020 21:13		05.07.2020 21:35		05.07.2020 21:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00199	0.00199	<0.0996	0.0996	2.28	0.399	<0.00971	0.00971	<0.00990	0.00990
Toluene		<0.00198	0.00198	<0.00199	0.00199	23.8	0.398	34.1	0.399	<0.00971	0.00971	<0.00990	0.00990
Ethylbenzene		<0.00198	0.00198	<0.00199	0.00199	35.4	0.398	50.8	0.399	0.606	0.00971	<0.00990	0.00990
m,p-Xylenes		<0.00397	0.00397	<0.00398	0.00398	50.4	0.797	59.8	0.798	0.0390	0.0194	<0.0198	0.0198
o-Xylene		<0.00198	0.00198	<0.00199	0.00199	23.5	0.398	25.5	0.399	<0.00971	0.00971	<0.00990	0.00990
Total Xylenes		<0.00198	0.00198	<0.00199	0.00199	73.9	0.398	85.3	0.399	0.0390	0.00971	<0.00990	0.00990
Total BTEX		<0.00198	0.00198	<0.00199	0.00199	133	0.0996	172	0.399	0.645	0.00971	<0.00990	0.00990
Chloride by EPA 300	Extracted:	05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05	
	Analyzed:	05.06.2020 20:16		05.06.2020 20:33		05.06.2020 20:39		05.06.2020 20:57		05.06.2020 21:02		05.06.2020 21:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.92	9.92	14.0	10.0	207	10.0	10.6	10.0	10.8	9.92	10.3	9.96
TPH By SW8015 Mod	Extracted:	05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:10		05.06.2020 17:10		05.06.2020 17:10		05.06.2020 17:10	
	Analyzed:	05.07.2020 04:01		05.07.2020 04:22		05.07.2020 04:42		05.07.2020 05:02		05.07.2020 11:02		05.07.2020 03:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.1	50.1	4280	501	4800	499	<50.2	50.2	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.1	50.1	19000	501	11300	499	301	50.2	92.6	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.1	50.1	1920	501	1120	499	<50.2	50.2	<49.9	49.9
Total TPH		<50.0	50.0	<50.1	50.1	25200	501	17200	499	301	50.2	92.6	49.9

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 660809

Penasco Services, Carlsbad, NM

Project Name: Edith Federal #001

Project Id: API #30-025-28856
Contact: Kenny Long
Project Location: NM

Date Received in Lab: Wed 05.06.2020 15:15
Report Date: 05.11.2020 09:47
Project Manager: Jessica Kramer

Analysis Requested		660809-013		660809-014		660809-015		660809-016		660809-017		660809-018	
	Lab Id:												
	Field Id:	S-4		S-4		S-4		S-4		S-5		S-5	
	Depth:	0-1 ft		2- ft		3- ft		4- ft		0-1 ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00	
BTEX by EPA 8021B	*Extracted:*	05.07.2020 09:50		05.07.2020 09:50		05.07.2020 09:50		05.07.2020 09:50		05.07.2020 20:00		05.07.2020 20:00	
	Analyzed:	05.07.2020 19:27		05.07.2020 19:48		05.07.2020 20:09		05.07.2020 20:31		05.08.2020 07:12		05.08.2020 07:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	2.93	0.400	<0.0990	0.0990
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	33.0	0.400	1.19	0.396
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	42.2	0.400	28.8	0.396
m,p-Xylenes		<0.00396	0.00396	<0.00400	0.00400	<0.00400	0.00400	<0.00399	0.00399	56.0	0.800	8.64	0.792
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	26.3	0.400	3.34	0.396
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	82.3	0.400	12.0	0.396
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	160	0.400	42.0	0.0990
Chloride by EPA 300	*Extracted:*	05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05		05.06.2020 18:05		05.06.2020 17:00		05.06.2020 17:00	
	Analyzed:	05.06.2020 21:14		05.06.2020 21:20		05.06.2020 21:25		05.06.2020 21:31		05.06.2020 22:06		05.06.2020 22:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		20.7	9.96	20.0	10.1	33.5	10.0	45.3	9.94	166	9.98	22.8	10.0
TPH By SW8015 Mod	*Extracted:*	05.06.2020 17:10		05.06.2020 17:10		05.06.2020 17:10		05.06.2020 17:10		05.06.2020 17:10		05.07.2020 17:30	
	Analyzed:	05.07.2020 03:21		05.07.2020 03:41		05.07.2020 04:01		05.07.2020 04:22		05.07.2020 05:43		05.08.2020 12:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.9	49.9	5480	501	248	50.0
Diesel Range Organics (DRO)		<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.9	49.9	21500	501	1300	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.9	49.9	1880	501	138	50.0
Total TPH		<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.9	49.9	28900	501	1690	50.0

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 660809

Penasco Services, Carlsbad, NM

Project Name: Edith Federal #001

Project Id: API #30-025-28856
Contact: Kenny Long
Project Location: NM

Date Received in Lab: Wed 05.06.2020 15:15
Report Date: 05.11.2020 09:47
Project Manager: Jessica Kramer

Analysis Requested		660809-019		660809-020		660809-021		660809-022		660809-023		660809-024	
	Field Id:	S-5		S-5		S-6		S-6		S-6		S-6	
	Depth:	3- ft		4- ft		0-1 ft		2- ft		3- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00	
BTEX by EPA 8021B	*Extracted:*	05.07.2020 20:00		05.07.2020 20:00		05.07.2020 20:00		05.07.2020 20:00		05.07.2020 20:00		05.07.2020 20:00	
	Analyzed:	05.08.2020 07:55		05.08.2020 01:30		05.08.2020 01:52		05.08.2020 02:13		05.08.2020 02:34		05.08.2020 02:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00400	0.00400	<0.00404	0.00404	<0.00399	0.00399	<0.00400	0.00400	<0.00400	0.00400	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Chloride by EPA 300	*Extracted:*	05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00	
	Analyzed:	05.06.2020 22:29		05.06.2020 22:35		05.06.2020 22:40		05.06.2020 22:58		05.06.2020 23:04		05.06.2020 23:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		10.2	10.1	<10.0	10.0	<9.94	9.94	<10.1	10.1	<9.88	9.88	18.4	9.90
TPH By SW8015 Mod	*Extracted:*	05.07.2020 17:30		05.07.2020 17:30		05.07.2020 17:30		05.07.2020 17:30		05.07.2020 17:30		05.07.2020 17:30	
	Analyzed:	05.08.2020 15:03		05.07.2020 23:03		05.07.2020 23:24		05.07.2020 23:44		05.08.2020 00:05		05.08.2020 08:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.3	50.3	<50.2	50.2	<50.2	50.2	<50.1	50.1	<50.2	50.2
Diesel Range Organics (DRO)		101	50.2	79.3	50.3	<50.2	50.2	<50.2	50.2	<50.1	50.1	132	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.3	50.3	<50.2	50.2	<50.2	50.2	<50.1	50.1	<50.2	50.2
Total TPH		101	50.2	79.3	50.3	<50.2	50.2	<50.2	50.2	<50.1	50.1	132	50.2

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 660809

Penasco Services, Carlsbad, NM

Project Name: Edith Federal #001

Project Id: API #30-025-28856
Contact: Kenny Long
Project Location: NM

Date Received in Lab: Wed 05.06.2020 15:15
Report Date: 05.11.2020 09:47
Project Manager: Jessica Kramer

Analysis Requested		660809-025		660809-026		660809-027		660809-028		660809-029		660809-030	
	Field Id:	S-7		S-7		S-7		S-7		S-8		S-8	
	Depth:	0-1 ft		2- ft		3- ft		4- ft		0-1 ft		2- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00		05.06.2020 00:00	
BTEX by EPA 8021B	*Extracted:*	05.07.2020 20:00		05.07.2020 20:00		05.07.2020 20:00		05.07.2020 20:00		05.07.2020 20:00		05.07.2020 20:00	
	Analyzed:	05.08.2020 08:17		05.08.2020 10:25		05.08.2020 10:46		05.08.2020 03:17		05.08.2020 03:39		05.08.2020 04:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.0998	0.0998	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201
Toluene		<0.0998	0.0998	0.0136	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201
Ethylbenzene		3.22	0.399	0.0708	0.00202	0.0956	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201
m,p-Xylenes		3.66	0.798	0.115	0.00403	0.00421	0.00402	<0.00402	0.00402	<0.00398	0.00398	<0.00402	0.00402
o-Xylene		3.05	0.399	0.0645	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201
Total Xylenes		6.71	0.399	0.180	0.00202	0.00421	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201
Total BTEX		9.93	0.0998	0.264	0.00202	0.0998	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201
Chloride by EPA 300	*Extracted:*	05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00		05.06.2020 17:00	
	Analyzed:	05.06.2020 23:15		05.06.2020 23:21		05.06.2020 23:27		05.06.2020 23:44		05.06.2020 23:50		05.07.2020 00:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		824	9.98	105	9.98	66.4	9.94	81.4	10.1	51.5	10.0	14.6	10.0
TPH By SW8015 Mod	*Extracted:*	05.07.2020 17:30		05.07.2020 17:30		05.07.2020 17:30		05.07.2020 17:30		05.07.2020 17:30		05.07.2020 17:30	
	Analyzed:	05.08.2020 11:09		05.08.2020 11:30		05.08.2020 09:08		05.08.2020 09:28		05.08.2020 09:49		05.08.2020 10:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		564	251	78.2	50.0	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.3	50.3
Diesel Range Organics (DRO)		6500	251	700	50.0	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		729	251	69.5	50.0	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.3	50.3
Total TPH		7790	251	848	50.0	<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.3	50.3

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 660809

Penasco Services, Carlsbad, NM

Project Name: Edith Federal #001

Project Id: API #30-025-28856
Contact: Kenny Long
Project Location: NM

Date Received in Lab: Wed 05.06.2020 15:15
Report Date: 05.11.2020 09:47
Project Manager: Jessica Kramer

Analysis Requested												
	Lab Id:	660809-031		660809-032								
	Field Id:	S-8		S-8								
	Depth:	3- ft		4- ft								
	Matrix:	SOIL		SOIL								
	Sampled:	05.06.2020 00:00		05.06.2020 00:00								
BTEX by EPA 8021B	*Extracted:*	05.07.2020 20:00		05.07.2020 20:00								
	Analyzed:	05.08.2020 04:21		05.08.2020 04:43								
	Units/RL:	mg/kg	RL	mg/kg	RL							
Benzene		<0.00201	0.00201	<0.00201	0.00201							
Toluene		<0.00201	0.00201	<0.00201	0.00201							
Ethylbenzene		<0.00201	0.00201	<0.00201	0.00201							
m,p-Xylenes		<0.00402	0.00402	<0.00402	0.00402							
o-Xylene		<0.00201	0.00201	<0.00201	0.00201							
Total Xylenes		<0.00201	0.00201	<0.00201	0.00201							
Total BTEX		<0.00201	0.00201	<0.00201	0.00201							
Chloride by EPA 300	*Extracted:*	05.06.2020 17:00		05.06.2020 17:00								
	Analyzed:	05.07.2020 00:13		05.07.2020 00:19								
	Units/RL:	mg/kg	RL	mg/kg	RL							
Chloride		10.1	9.98	27.9	9.96							
TPH By SW8015 Mod	*Extracted:*	05.07.2020 17:30		05.07.2020 17:30								
	Analyzed:	05.08.2020 10:29		05.07.2020 20:20								
	Units/RL:	mg/kg	RL	mg/kg	RL							
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.2	50.2							
Diesel Range Organics (DRO)		<49.8	49.8	<50.2	50.2							
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.2	50.2							
Total TPH		<49.8	49.8	<50.2	50.2							

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Jessica Kramer
Project Manager

Analytical Report 660809

for

Penasco Services

Project Manager: Kenny Long

Edith Federal #001

API #30-025-28856

05.11.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

05.11.2020

Project Manager: **Kenny Long**
Penasco Services
1602 E Green St
Carlsbad, NM 88220

Reference: XENCO Report No(s): **660809**
Edith Federal #001
Project Address: NM

Kenny Long:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 660809. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 660809 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 660809

Penasco Services, Carlsbad, NM

Edith Federal #001

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1	S	05.06.2020 00:00	0 - 1 ft	660809-001
S-1	S	05.06.2020 00:00	2 ft	660809-002
S-1	S	05.06.2020 00:00	3 ft	660809-003
S-1	S	05.06.2020 00:00	4 ft	660809-004
S-2	S	05.06.2020 00:00	0 - 1 ft	660809-005
S-2	S	05.06.2020 00:00	2 ft	660809-006
S-2	S	05.06.2020 00:00	3 ft	660809-007
S-2	S	05.06.2020 00:00	4 ft	660809-008
S-3	S	05.06.2020 00:00	0 - 1 ft	660809-009
S-3	S	05.06.2020 00:00	2 ft	660809-010
S-3	S	05.06.2020 00:00	3 ft	660809-011
S-3	S	05.06.2020 00:00	4 ft	660809-012
S-4	S	05.06.2020 00:00	0 - 1 ft	660809-013
S-4	S	05.06.2020 00:00	2 ft	660809-014
S-4	S	05.06.2020 00:00	3 ft	660809-015
S-4	S	05.06.2020 00:00	4 ft	660809-016
S-5	S	05.06.2020 00:00	0 - 1 ft	660809-017
S-5	S	05.06.2020 00:00	2 ft	660809-018
S-5	S	05.06.2020 00:00	3 ft	660809-019
S-5	S	05.06.2020 00:00	4 ft	660809-020
S-6	S	05.06.2020 00:00	0 - 1 ft	660809-021
S-6	S	05.06.2020 00:00	2 ft	660809-022
S-6	S	05.06.2020 00:00	3 ft	660809-023
S-6	S	05.06.2020 00:00	4 ft	660809-024
S-7	S	05.06.2020 00:00	0 - 1 ft	660809-025
S-7	S	05.06.2020 00:00	2 ft	660809-026
S-7	S	05.06.2020 00:00	3 ft	660809-027
S-7	S	05.06.2020 00:00	4 ft	660809-028
S-8	S	05.06.2020 00:00	0 - 1 ft	660809-029
S-8	S	05.06.2020 00:00	2 ft	660809-030
S-8	S	05.06.2020 00:00	3 ft	660809-031
S-8	S	05.06.2020 00:00	4 ft	660809-032

CASE NARRATIVE

Client Name: Penasco Services
Project Name: Edith Federal #001

Project ID: *API #30-025-28856*
Work Order Number(s): *660809*

Report Date: *05.11.2020*
Date Received: *05.06.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results 660809

Penasco Services, Carlsbad, NM

Edith Federal #001

Sample Id:	S-1	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-001	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4530**	99.6	mg/kg	05.06.2020 19:30		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**3000**	501	mg/kg	05.07.2020 05:23		10
Diesel Range Organics (DRO)	C10C28DRO	**22400**	501	mg/kg	05.07.2020 05:23		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1940**	501	mg/kg	05.07.2020 05:23		10
Total TPH	PHC635	**27300**	501	mg/kg	05.07.2020 05:23		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	05.07.2020 05:23	
o-Terphenyl	84-15-1	81	%	70-135	05.07.2020 05:23	

Certificate of Analytical Results 660809

Penasco Services, Carlsbad, NM

Edith Federal #001

Sample Id:	S-1	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-001	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.100	0.100	mg/kg	05.08.2020 06:30	U	200
Toluene	108-88-3	**5.07**	0.402	mg/kg	05.08.2020 06:30		200
Ethylbenzene	100-41-4	**17.6**	0.402	mg/kg	05.08.2020 06:30		200
m,p-Xylenes	179601-23-1	**29.0**	0.803	mg/kg	05.08.2020 06:30		200
o-Xylene	95-47-6	**14.1**	0.402	mg/kg	05.08.2020 06:30		200
Total Xylenes	1330-20-7	**43.1**	0.402	mg/kg	05.08.2020 06:30		200
Total BTEX		**65.8**	0.100	mg/kg	05.08.2020 06:30		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	05.08.2020 06:30	
1,4-Difluorobenzene	540-36-3	103	%	70-130	05.08.2020 06:30	

Certificate of Analytical Results 660809

Penasco Services, Carlsbad, NM

Edith Federal #001

Sample Id:	S-1	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-002	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**36.3**	9.98	mg/kg	05.06.2020 19:47		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**96.4**	50.2	mg/kg	05.07.2020 11:02		1
Diesel Range Organics (DRO)	C10C28DRO	**790**	50.2	mg/kg	05.07.2020 11:02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**226**	50.2	mg/kg	05.07.2020 11:02		1
Total TPH	PHC635	**1110**	50.2	mg/kg	05.07.2020 11:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	05.07.2020 11:02	
o-Terphenyl	84-15-1	134	%	70-135	05.07.2020 11:02	

Certificate of Analytical Results 660809

Penasco Services, Carlsbad, NM

Edith Federal #001

Sample Id:	S-1	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-002	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00990	0.00990	mg/kg	05.08.2020 06:51	U	5
Toluene	108-88-3	<0.00990	0.00990	mg/kg	05.08.2020 06:51	U	5
Ethylbenzene	100-41-4	<0.00990	0.00990	mg/kg	05.08.2020 06:51	U	5
m,p-Xylenes	179601-23-1	<0.0198	0.0198	mg/kg	05.08.2020 06:51	U	5
o-Xylene	95-47-6	<0.00990	0.00990	mg/kg	05.08.2020 06:51	U	5
Total Xylenes	1330-20-7	<0.00990	0.00990	mg/kg	05.08.2020 06:51	U	5
Total BTEX		<0.00990	0.00990	mg/kg	05.08.2020 06:51	U	5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	05.08.2020 06:51	
1,4-Difluorobenzene	540-36-3	110	%	70-130	05.08.2020 06:51	

Certificate of Analytical Results 660809

Penasco Services, Carlsbad, NM

Edith Federal #001

Sample Id:	S-1	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-003	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.7**	10.0	mg/kg	05.06.2020 19:53		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.07.2020 05:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	**126**	50.2	mg/kg	05.07.2020 05:02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.07.2020 05:02	U	1
Total TPH	PHC635	**126**	50.2	mg/kg	05.07.2020 05:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	05.07.2020 05:02	
o-Terphenyl	84-15-1	133	%	70-135	05.07.2020 05:02	

Certificate of Analytical Results 660809

Penasco Services, Carlsbad, NM

Edith Federal #001

Sample Id:	**S-1**	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-003	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.07.2020 16:35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.07.2020 16:35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.07.2020 16:35	U	1
m,p-Xylenes	179601-23-1	**0.0222**	0.00398	mg/kg	05.07.2020 16:35		1
o-Xylene	95-47-6	**0.0316**	0.00199	mg/kg	05.07.2020 16:35		1
Total Xylenes	1330-20-7	**0.0538**	0.00199	mg/kg	05.07.2020 16:35		1
Total BTEX		**0.0538**	0.00199	mg/kg	05.07.2020 16:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	05.07.2020 16:35	
1,4-Difluorobenzene	540-36-3	102	%	70-130	05.07.2020 16:35	

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Penasco Services, Carlsbad, NM

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Sample Id:	S-1	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-004	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**31.1**	10.0	mg/kg	05.06.2020 19:59		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	05.07.2020 04:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	05.07.2020 04:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	05.07.2020 04:42	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	05.07.2020 04:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	05.07.2020 04:42	
o-Terphenyl	84-15-1	131	%	70-135	05.07.2020 04:42	

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Penasco Services, Carlsbad, NM

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Sample Id:	S-1	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-004	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.07.2020 16:57	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.07.2020 16:57	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.07.2020 16:57	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	05.07.2020 16:57	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.07.2020 16:57	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.07.2020 16:57	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.07.2020 16:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	05.07.2020 16:57	
1,4-Difluorobenzene	540-36-3	95	%	70-130	05.07.2020 16:57	

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Sample Id:	S-2	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-005	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.0**	9.98	mg/kg	05.06.2020 20:05		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.07.2020 03:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	05.07.2020 03:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.07.2020 03:21	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	05.07.2020 03:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	05.07.2020 03:21	
o-Terphenyl	84-15-1	133	%	70-135	05.07.2020 03:21	

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Penasco Services, Carlsbad, NM

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Sample Id:	S-2	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-005	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.07.2020 17:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.07.2020 17:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.07.2020 17:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.07.2020 17:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.07.2020 17:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.07.2020 17:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.07.2020 17:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	05.07.2020 17:18	
4-Bromofluorobenzene	460-00-4	107	%	70-130	05.07.2020 17:18	

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Penasco Services, Carlsbad, NM

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Sample Id: S-2 | Matrix: Soil | Date Received:05.06.2020 15:15

Lab Sample Id: 660809-006 | Date Collected: 05.06.2020 00:00 | Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 | Prep Method: E300P

Tech: MAB | % Moisture:

Analyst: MAB | Date Prep: 05.06.2020 18:05 | Basis: Wet Weight

Seq Number: 3125247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.94	9.94	mg/kg	05.06.2020 20:10	U	1

Analytical Method: TPH By SW8015 Mod | Prep Method: SW8015P

Tech: DTH | % Moisture:

Analyst: DTH | Date Prep: 05.06.2020 17:00 | Basis: Wet Weight

Seq Number: 3125417

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.07.2020 03:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.07.2020 03:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.07.2020 03:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.07.2020 03:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	05.07.2020 03:41	
o-Terphenyl	84-15-1	132	%	70-135	05.07.2020 03:41	

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Sample Id:	S-2	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-006	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.07.2020 17:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.07.2020 17:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.07.2020 17:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.07.2020 17:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.07.2020 17:39	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.07.2020 17:39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.07.2020 17:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	05.07.2020 17:39	
1,4-Difluorobenzene	540-36-3	113	%	70-130	05.07.2020 17:39	

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Sample Id:	S-2	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-007	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	05.06.2020 20:16	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.07.2020 04:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.07.2020 04:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.07.2020 04:01	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.07.2020 04:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	05.07.2020 04:01	
o-Terphenyl	84-15-1	132	%	70-135	05.07.2020 04:01	

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Sample Id:	S-2	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-007	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.07.2020 18:44	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.07.2020 18:44	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.07.2020 18:44	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	05.07.2020 18:44	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.07.2020 18:44	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.07.2020 18:44	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.07.2020 18:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	05.07.2020 18:44	
1,4-Difluorobenzene	540-36-3	113	%	70-130	05.07.2020 18:44	

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Sample Id:	S-2	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-008	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.0**	10.0	mg/kg	05.06.2020 20:33		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	05.07.2020 04:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	05.07.2020 04:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	05.07.2020 04:22	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	05.07.2020 04:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	05.07.2020 04:22	
o-Terphenyl	84-15-1	130	%	70-135	05.07.2020 04:22	

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Sample Id:	S-2	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-008	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.07.2020 19:05	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.07.2020 19:05	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.07.2020 19:05	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.07.2020 19:05	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.07.2020 19:05	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.07.2020 19:05	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.07.2020 19:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.07.2020 19:05	
4-Bromofluorobenzene	460-00-4	108	%	70-130	05.07.2020 19:05	

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Sample Id:	S-3	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-009	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**207**	10.0	mg/kg	05.06.2020 20:39		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:10	Basis:	Wet Weight
Seq Number:	3125432				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**4280**	501	mg/kg	05.07.2020 04:42		10
Diesel Range Organics (DRO)	C10C28DRO	**19000**	501	mg/kg	05.07.2020 04:42		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1920**	501	mg/kg	05.07.2020 04:42		10
Total TPH	PHC635	**25200**	501	mg/kg	05.07.2020 04:42		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	05.07.2020 04:42	
o-Terphenyl	84-15-1	122	%	70-135	05.07.2020 04:42	

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Sample Id:	S-3	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-009	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0996	0.0996	mg/kg	05.07.2020 20:52	U	200
Toluene	108-88-3	**23.8**	0.398	mg/kg	05.07.2020 20:52		200
Ethylbenzene	100-41-4	**35.4**	0.398	mg/kg	05.07.2020 20:52		200
m,p-Xylenes	179601-23-1	**50.4**	0.797	mg/kg	05.07.2020 20:52		200
o-Xylene	95-47-6	**23.5**	0.398	mg/kg	05.07.2020 20:52		200
Total Xylenes	1330-20-7	**73.9**	0.398	mg/kg	05.07.2020 20:52		200
Total BTEX		**133**	0.0996	mg/kg	05.07.2020 20:52		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	05.07.2020 20:52	
4-Bromofluorobenzene	460-00-4	104	%	70-130	05.07.2020 20:52	

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Sample Id:	S-3	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-010	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.6**	10.0	mg/kg	05.06.2020 20:57		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:10	Basis:	Wet Weight
Seq Number:	3125432				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**4800**	499	mg/kg	05.07.2020 05:02		10
Diesel Range Organics (DRO)	C10C28DRO	**11300**	499	mg/kg	05.07.2020 05:02		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1120**	499	mg/kg	05.07.2020 05:02		10
Total TPH	PHC635	**17200**	499	mg/kg	05.07.2020 05:02		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	05.07.2020 05:02	
o-Terphenyl	84-15-1	125	%	70-135	05.07.2020 05:02	

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Sample Id: S-3	Matrix: Soil	Date Received:05.06.2020 15:15	
Lab Sample Id: 660809-010	Date Collected: 05.06.2020 00:00	Sample Depth: 2 ft	
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A	
Tech: MAB		% Moisture:	
Analyst: MAB	Date Prep: 05.07.2020 09:50	Basis: Wet Weight	
Seq Number: 3125400			

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**2.28**	0.399	mg/kg	05.07.2020 21:13		200
Toluene	108-88-3	**34.1**	0.399	mg/kg	05.07.2020 21:13		200
Ethylbenzene	100-41-4	**50.8**	0.399	mg/kg	05.07.2020 21:13		200
m,p-Xylenes	179601-23-1	**59.8**	0.798	mg/kg	05.07.2020 21:13		200
o-Xylene	95-47-6	**25.5**	0.399	mg/kg	05.07.2020 21:13		200
Total Xylenes	1330-20-7	**85.3**	0.399	mg/kg	05.07.2020 21:13		200
Total BTEX		**172**	0.399	mg/kg	05.07.2020 21:13		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	05.07.2020 21:13	
1,4-Difluorobenzene	540-36-3	94	%	70-130	05.07.2020 21:13	

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Sample Id:	S-3	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-011	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.8**	9.92	mg/kg	05.06.2020 21:02		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:10	Basis:	Wet Weight
Seq Number:	3125432				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.07.2020 11:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	**301**	50.2	mg/kg	05.07.2020 11:02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.07.2020 11:02	U	1
Total TPH	PHC635	**301**	50.2	mg/kg	05.07.2020 11:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	05.07.2020 11:02	
o-Terphenyl	84-15-1	98	%	70-135	05.07.2020 11:02	

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Sample Id:	S-3	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-011	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00971	0.00971	mg/kg	05.07.2020 21:35	U	1
Toluene	108-88-3	<0.00971	0.00971	mg/kg	05.07.2020 21:35	U	1
Ethylbenzene	100-41-4	**0.606**	0.00971	mg/kg	05.07.2020 21:35		1
m,p-Xylenes	179601-23-1	**0.0390**	0.0194	mg/kg	05.07.2020 21:35		1
o-Xylene	95-47-6	<0.00971	0.00971	mg/kg	05.07.2020 21:35	U	1
Total Xylenes	1330-20-7	**0.0390**	0.00971	mg/kg	05.07.2020 21:35		1
Total BTEX		**0.645**	0.00971	mg/kg	05.07.2020 21:35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	05.07.2020 21:35	
4-Bromofluorobenzene	460-00-4	130	%	70-130	05.07.2020 21:35	

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Sample Id:	S-3	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-012	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.3**	9.96	mg/kg	05.06.2020 21:08		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:10	Basis:	Wet Weight
Seq Number:	3125432				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.07.2020 03:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	**92.6**	49.9	mg/kg	05.07.2020 03:01		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.07.2020 03:01	U	1
Total TPH	PHC635	**92.6**	49.9	mg/kg	05.07.2020 03:01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	05.07.2020 03:01	
o-Terphenyl	84-15-1	95	%	70-135	05.07.2020 03:01	

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Sample Id: S-3	Matrix: Soil	Date Received:05.06.2020 15:15	
Lab Sample Id: 660809-012	Date Collected: 05.06.2020 00:00	Sample Depth: 4 ft	
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5035A	
Tech: MAB		% Moisture:	
Analyst: MAB	Date Prep: 05.07.2020 09:50	Basis: Wet Weight	
Seq Number: 3125400			

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00990	0.00990	mg/kg	05.07.2020 21:56	U	1
Toluene	108-88-3	<0.00990	0.00990	mg/kg	05.07.2020 21:56	U	1
Ethylbenzene	100-41-4	<0.00990	0.00990	mg/kg	05.07.2020 21:56	U	1
m,p-Xylenes	179601-23-1	<0.0198	0.0198	mg/kg	05.07.2020 21:56	U	1
o-Xylene	95-47-6	<0.00990	0.00990	mg/kg	05.07.2020 21:56	U	1
Total Xylenes	1330-20-7	<0.00990	0.00990	mg/kg	05.07.2020 21:56	U	1
Total BTEX		<0.00990	0.00990	mg/kg	05.07.2020 21:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.07.2020 21:56	
4-Bromofluorobenzene	460-00-4	109	%	70-130	05.07.2020 21:56	

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Sample Id: S-4 | Matrix: Soil | Date Received: 05.06.2020 15:15

Lab Sample Id: 660809-013 | Date Collected: 05.06.2020 00:00 | Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300 | Prep Method: E300P

Tech: MAB | % Moisture:

Analyst: MAB | Date Prep: 05.06.2020 18:05 | Basis: Wet Weight

Seq Number: 3125247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	20.7	9.96	mg/kg	05.06.2020 21:14		1

Analytical Method: TPH By SW8015 Mod | Prep Method: SW8015P

Tech: DTH | % Moisture:

Analyst: DTH | Date Prep: 05.06.2020 17:10 | Basis: Wet Weight

Seq Number: 3125432

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	05.07.2020 03:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	05.07.2020 03:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	05.07.2020 03:21	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	05.07.2020 03:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	05.07.2020 03:21	
o-Terphenyl	84-15-1	93	%	70-135	05.07.2020 03:21	

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Sample Id:	S-4	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-013	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.07.2020 19:27	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.07.2020 19:27	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.07.2020 19:27	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	05.07.2020 19:27	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.07.2020 19:27	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.07.2020 19:27	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.07.2020 19:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.07.2020 19:27	
4-Bromofluorobenzene	460-00-4	106	%	70-130	05.07.2020 19:27	

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Sample Id: S-4 Matrix: Soil Date Received:05.06.2020 15:15
Lab Sample Id: 660809-014 Date Collected: 05.06.2020 00:00 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 05.06.2020 18:05 Basis: Wet Weight
Seq Number: 3125247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.0**	10.1	mg/kg	05.06.2020 21:20		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 05.06.2020 17:10 Basis: Wet Weight
Seq Number: 3125432

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	05.07.2020 03:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	05.07.2020 03:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	05.07.2020 03:41	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	05.07.2020 03:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	05.07.2020 03:41	
o-Terphenyl	84-15-1	93	%	70-135	05.07.2020 03:41	

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Sample Id:	S-4	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-014	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.07.2020 19:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.07.2020 19:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.07.2020 19:48	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.07.2020 19:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.07.2020 19:48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.07.2020 19:48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.07.2020 19:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	117	%	70-130	05.07.2020 19:48	
4-Bromofluorobenzene	460-00-4	108	%	70-130	05.07.2020 19:48	

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Sample Id:	S-4	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-015	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**33.5**	10.0	mg/kg	05.06.2020 21:25		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:10	Basis:	Wet Weight
Seq Number:	3125432				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	05.07.2020 04:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	05.07.2020 04:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	05.07.2020 04:01	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	05.07.2020 04:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	05.07.2020 04:01	
o-Terphenyl	84-15-1	95	%	70-135	05.07.2020 04:01	

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Sample Id:	S-4	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-015	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.07.2020 20:09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.07.2020 20:09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.07.2020 20:09	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.07.2020 20:09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.07.2020 20:09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.07.2020 20:09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.07.2020 20:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	05.07.2020 20:09	
1,4-Difluorobenzene	540-36-3	113	%	70-130	05.07.2020 20:09	

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Sample Id:	S-4	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-016	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 18:05	Basis:	Wet Weight
Seq Number:	3125247				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**45.3**	9.94	mg/kg	05.06.2020 21:31		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:10	Basis:	Wet Weight
Seq Number:	3125432				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.07.2020 04:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.07.2020 04:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.07.2020 04:22	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.07.2020 04:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	05.07.2020 04:22	
o-Terphenyl	84-15-1	94	%	70-135	05.07.2020 04:22	

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Sample Id:	S-4	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-016	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 09:50	Basis:	Wet Weight
Seq Number:	3125400				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.07.2020 20:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.07.2020 20:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.07.2020 20:31	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.07.2020 20:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.07.2020 20:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.07.2020 20:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.07.2020 20:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	05.07.2020 20:31	
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.07.2020 20:31	

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Sample Id:	S-5	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-017	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**166**	9.98	mg/kg	05.06.2020 22:06		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.06.2020 17:10	Basis:	Wet Weight
Seq Number:	3125432				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**5480**	501	mg/kg	05.07.2020 05:43		10
Diesel Range Organics (DRO)	C10C28DRO	**21500**	501	mg/kg	05.07.2020 05:43		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**1880**	501	mg/kg	05.07.2020 05:43		10
Total TPH	PHC635	**28900**	501	mg/kg	05.07.2020 05:43		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	05.07.2020 05:43	
o-Terphenyl	84-15-1	123	%	70-135	05.07.2020 05:43	

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Sample Id:	S-5	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-017	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**2.93**	0.400	mg/kg	05.08.2020 07:12		200
Toluene	108-88-3	**33.0**	0.400	mg/kg	05.08.2020 07:12		200
Ethylbenzene	100-41-4	**42.2**	0.400	mg/kg	05.08.2020 07:12		200
m,p-Xylenes	179601-23-1	**56.0**	0.800	mg/kg	05.08.2020 07:12		200
o-Xylene	95-47-6	**26.3**	0.400	mg/kg	05.08.2020 07:12		200
Total Xylenes	1330-20-7	**82.3**	0.400	mg/kg	05.08.2020 07:12		200
Total BTEX		**160**	0.400	mg/kg	05.08.2020 07:12		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	05.08.2020 07:12	
4-Bromofluorobenzene	460-00-4	106	%	70-130	05.08.2020 07:12	

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Sample Id:	S-5	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-018	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.8**	10.0	mg/kg	05.06.2020 22:23		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**248**	50.0	mg/kg	05.08.2020 12:24		1
Diesel Range Organics (DRO)	C10C28DRO	**1300**	50.0	mg/kg	05.08.2020 12:24		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**138**	50.0	mg/kg	05.08.2020 12:24		1
Total TPH	PHC635	**1690**	50.0	mg/kg	05.08.2020 12:24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	05.08.2020 12:24	
o-Terphenyl	84-15-1	113	%	70-135	05.08.2020 12:24	

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Sample Id:	S-5	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-018	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0990	0.0990	mg/kg	05.08.2020 07:34	U	200
Toluene	108-88-3	**1.19**	0.396	mg/kg	05.08.2020 07:34		200
Ethylbenzene	100-41-4	**28.8**	0.396	mg/kg	05.08.2020 07:34		200
m,p-Xylenes	179601-23-1	**8.64**	0.792	mg/kg	05.08.2020 07:34		200
o-Xylene	95-47-6	**3.34**	0.396	mg/kg	05.08.2020 07:34		200
Total Xylenes	1330-20-7	**12.0**	0.396	mg/kg	05.08.2020 07:34		200
Total BTEX		**42.0**	0.0990	mg/kg	05.08.2020 07:34		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	05.08.2020 07:34	
1,4-Difluorobenzene	540-36-3	106	%	70-130	05.08.2020 07:34	

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Sample Id:	S-5	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-019	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.2**	10.1	mg/kg	05.06.2020 22:29		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.08.2020 15:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	**101**	50.2	mg/kg	05.08.2020 15:03		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.08.2020 15:03	U	1
Total TPH	PHC635	**101**	50.2	mg/kg	05.08.2020 15:03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-135	05.08.2020 15:03	
o-Terphenyl	84-15-1	80	%	70-135	05.08.2020 15:03	

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Sample Id:	S-5	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-019	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.08.2020 07:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.08.2020 07:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.08.2020 07:55	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.08.2020 07:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.08.2020 07:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.08.2020 07:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.08.2020 07:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	05.08.2020 07:55	
4-Bromofluorobenzene	460-00-4	113	%	70-130	05.08.2020 07:55	

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Sample Id: **S-5** Matrix: Soil Date Received:05.06.2020 15:15

Lab Sample Id: 660809-020 Date Collected: 05.06.2020 00:00 Sample Depth: 4 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 05.06.2020 17:00 Basis: Wet Weight

Seq Number: 3125251

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	05.06.2020 22:35	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 05.07.2020 17:30 Basis: Wet Weight

Seq Number: 3125473

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	05.07.2020 23:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	**79.3**	50.3	mg/kg	05.07.2020 23:03		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	05.07.2020 23:03	U	1
Total TPH	PHC635	**79.3**	50.3	mg/kg	05.07.2020 23:03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	05.07.2020 23:03	
o-Terphenyl	84-15-1	101	%	70-135	05.07.2020 23:03	

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Sample Id:	S-5	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-020	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	05.08.2020 01:30	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	05.08.2020 01:30	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	05.08.2020 01:30	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	05.08.2020 01:30	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	05.08.2020 01:30	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	05.08.2020 01:30	U	1
Total BTEX		<0.00202	0.00202	mg/kg	05.08.2020 01:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	05.08.2020 01:30	
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.08.2020 01:30	

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Sample Id:	S-6	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-021	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.94	9.94	mg/kg	05.06.2020 22:40	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.07.2020 23:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	05.07.2020 23:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.07.2020 23:24	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	05.07.2020 23:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	05.07.2020 23:24	
o-Terphenyl	84-15-1	98	%	70-135	05.07.2020 23:24	

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Sample Id:	S-6	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-021	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.08.2020 01:52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.08.2020 01:52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.08.2020 01:52	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.08.2020 01:52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.08.2020 01:52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.08.2020 01:52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.08.2020 01:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.08.2020 01:52	
4-Bromofluorobenzene	460-00-4	108	%	70-130	05.08.2020 01:52	

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Sample Id:	S-6	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-022	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	05.06.2020 22:58	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.07.2020 23:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	05.07.2020 23:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.07.2020 23:44	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	05.07.2020 23:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	05.07.2020 23:44	
o-Terphenyl	84-15-1	101	%	70-135	05.07.2020 23:44	

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Sample Id: **S-6** Matrix: Soil Date Received:05.06.2020 15:15

Lab Sample Id: 660809-022 Date Collected: 05.06.2020 00:00 Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 05.07.2020 20:00 Basis: Wet Weight

Seq Number: 3125465

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.08.2020 02:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.08.2020 02:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.08.2020 02:13	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.08.2020 02:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.08.2020 02:13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.08.2020 02:13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.08.2020 02:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	05.08.2020 02:13	
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.08.2020 02:13	

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Sample Id:	S-6	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-023	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.88	9.88	mg/kg	05.06.2020 23:04	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	05.08.2020 00:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	05.08.2020 00:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	05.08.2020 00:05	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	05.08.2020 00:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	05.08.2020 00:05	
o-Terphenyl	84-15-1	99	%	70-135	05.08.2020 00:05	

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Sample Id:	S-6	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-023	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.08.2020 02:34	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.08.2020 02:34	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.08.2020 02:34	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.08.2020 02:34	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.08.2020 02:34	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.08.2020 02:34	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.08.2020 02:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	05.08.2020 02:34	
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.08.2020 02:34	

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Sample Id: **S-6** Matrix: Soil Date Received:05.06.2020 15:15

Lab Sample Id: 660809-024 Date Collected: 05.06.2020 00:00 Sample Depth: 4 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 05.06.2020 17:00 Basis: Wet Weight

Seq Number: 3125251

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.4**	9.90	mg/kg	05.06.2020 23:09		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 05.07.2020 17:30 Basis: Wet Weight

Seq Number: 3125473

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.08.2020 08:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	**132**	50.2	mg/kg	05.08.2020 08:49		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.08.2020 08:49	U	1
Total TPH	PHC635	**132**	50.2	mg/kg	05.08.2020 08:49		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	05.08.2020 08:49	
o-Terphenyl	84-15-1	119	%	70-135	05.08.2020 08:49	

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Sample Id:	S-6	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-024	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.08.2020 02:56	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.08.2020 02:56	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.08.2020 02:56	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.08.2020 02:56	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.08.2020 02:56	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.08.2020 02:56	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.08.2020 02:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.08.2020 02:56	
4-Bromofluorobenzene	460-00-4	107	%	70-130	05.08.2020 02:56	

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Sample Id: S-7 Matrix: Soil Date Received:05.06.2020 15:15
Lab Sample Id: 660809-025 Date Collected: 05.06.2020 00:00 Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 05.06.2020 17:00 Basis: Wet Weight
Seq Number: 3125251

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**824**	9.98	mg/kg	05.06.2020 23:15		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 05.07.2020 17:30 Basis: Wet Weight
Seq Number: 3125473

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**564**	251	mg/kg	05.08.2020 11:09		5
Diesel Range Organics (DRO)	C10C28DRO	**6500**	251	mg/kg	05.08.2020 11:09		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**729**	251	mg/kg	05.08.2020 11:09		5
Total TPH	PHC635	**7790**	251	mg/kg	05.08.2020 11:09		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	05.08.2020 11:09	
o-Terphenyl	84-15-1	111	%	70-135	05.08.2020 11:09	

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Penasco Services, Carlsbad, NM

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Sample Id:	S-7	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-025	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0998	0.0998	mg/kg	05.08.2020 08:17	U	200
Toluene	108-88-3	<0.0998	0.0998	mg/kg	05.08.2020 08:17	U	200
Ethylbenzene	100-41-4	**3.22**	0.399	mg/kg	05.08.2020 08:17		200
m,p-Xylenes	179601-23-1	**3.66**	0.798	mg/kg	05.08.2020 08:17		200
o-Xylene	95-47-6	**3.05**	0.399	mg/kg	05.08.2020 08:17		200
Total Xylenes	1330-20-7	**6.71**	0.399	mg/kg	05.08.2020 08:17		200
Total BTEX		**9.93**	0.0998	mg/kg	05.08.2020 08:17		200

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	05.08.2020 08:17	
1,4-Difluorobenzene	540-36-3	102	%	70-130	05.08.2020 08:17	

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Sample Id:	S-7	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-026	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**105**	9.98	mg/kg	05.06.2020 23:21		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**78.2**	50.0	mg/kg	05.08.2020 11:30		1
Diesel Range Organics (DRO)	C10C28DRO	**700**	50.0	mg/kg	05.08.2020 11:30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**69.5**	50.0	mg/kg	05.08.2020 11:30		1
Total TPH	PHC635	**848**	50.0	mg/kg	05.08.2020 11:30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	05.08.2020 11:30	
o-Terphenyl	84-15-1	103	%	70-135	05.08.2020 11:30	

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Sample Id:	S-7	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-026	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	05.08.2020 10:25	U	1
Toluene	108-88-3	**0.0136**	0.00202	mg/kg	05.08.2020 10:25		1
Ethylbenzene	100-41-4	**0.0708**	0.00202	mg/kg	05.08.2020 10:25		1
m,p-Xylenes	179601-23-1	**0.115**	0.00403	mg/kg	05.08.2020 10:25		1
o-Xylene	95-47-6	**0.0645**	0.00202	mg/kg	05.08.2020 10:25		1
Total Xylenes	1330-20-7	**0.180**	0.00202	mg/kg	05.08.2020 10:25		1
Total BTEX		**0.264**	0.00202	mg/kg	05.08.2020 10:25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	05.08.2020 10:25	
1,4-Difluorobenzene	540-36-3	103	%	70-130	05.08.2020 10:25	

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Sample Id:	S-7	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-027	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**66.4**	9.94	mg/kg	05.06.2020 23:27		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.08.2020 09:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	05.08.2020 09:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.08.2020 09:08	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	05.08.2020 09:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	05.08.2020 09:08	
o-Terphenyl	84-15-1	108	%	70-135	05.08.2020 09:08	

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Sample Id:	S-7	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-027	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.08.2020 10:46	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.08.2020 10:46	U	1
Ethylbenzene	100-41-4	**0.0956**	0.00201	mg/kg	05.08.2020 10:46		1
m,p-Xylenes	179601-23-1	**0.00421**	0.00402	mg/kg	05.08.2020 10:46		1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.08.2020 10:46	U	1
Total Xylenes	1330-20-7	**0.00421**	0.00201	mg/kg	05.08.2020 10:46		1
Total BTEX		**0.0998**	0.00201	mg/kg	05.08.2020 10:46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	05.08.2020 10:46	
1,4-Difluorobenzene	540-36-3	115	%	70-130	05.08.2020 10:46	

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Sample Id:	S-7	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-028	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**81.4**	10.1	mg/kg	05.06.2020 23:44		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Nnmber	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	05.08.2020 09:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	05.08.2020 09:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	05.08.2020 09:28	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	05.08.2020 09:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	05.08.2020 09:28	
o-Terphenyl	84-15-1	100	%	70-135	05.08.2020 09:28	

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Sample Id:	S-7	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-028	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.08.2020 03:17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.08.2020 03:17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.08.2020 03:17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.08.2020 03:17	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.08.2020 03:17	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.08.2020 03:17	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.08.2020 03:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.08.2020 03:17	
4-Bromofluorobenzene	460-00-4	105	%	70-130	05.08.2020 03:17	

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Sample Id:	S-8	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-029	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	51.5	10.0	mg/kg	05.06.2020 23:50		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.08.2020 09:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	05.08.2020 09:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.08.2020 09:49	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	05.08.2020 09:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	05.08.2020 09:49	
o-Terphenyl	84-15-1	104	%	70-135	05.08.2020 09:49	

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Sample Id:	S-8	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-029	Date Collected:	05.06.2020 00:00	Sample Depth:	0 - 1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.08.2020 03:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.08.2020 03:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.08.2020 03:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.08.2020 03:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.08.2020 03:39	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.08.2020 03:39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.08.2020 03:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.08.2020 03:39	
4-Bromofluorobenzene	460-00-4	106	%	70-130	05.08.2020 03:39	

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Sample Id: **S-8** Matrix: Soil Date Received:05.06.2020 15:15

Lab Sample Id: 660809-030 Date Collected: 05.06.2020 00:00 Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 05.06.2020 17:00 Basis: Wet Weight

Seq Number: 3125251

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.6**	10.0	mg/kg	05.07.2020 00:07		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 05.07.2020 17:30 Basis: Wet Weight

Seq Number: 3125473

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	05.08.2020 10:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	05.08.2020 10:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	05.08.2020 10:09	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	05.08.2020 10:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	05.08.2020 10:09	
o-Terphenyl	84-15-1	103	%	70-135	05.08.2020 10:09	

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Sample Id:	S-8	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-030	Date Collected:	05.06.2020 00:00	Sample Depth:	2 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.08.2020 04:00	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.08.2020 04:00	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.08.2020 04:00	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.08.2020 04:00	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.08.2020 04:00	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.08.2020 04:00	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.08.2020 04:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	05.08.2020 04:00	
1,4-Difluorobenzene	540-36-3	115	%	70-130	05.08.2020 04:00	

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Sample Id:	S-8	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-031	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.1	9.98	mg/kg	05.07.2020 00:13		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125473				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	05.08.2020 10:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	05.08.2020 10:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	05.08.2020 10:29	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	05.08.2020 10:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	05.08.2020 10:29	
o-Terphenyl	84-15-1	102	%	70-135	05.08.2020 10:29	

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Sample Id:	S-8	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-031	Date Collected:	05.06.2020 00:00	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.08.2020 04:21	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.08.2020 04:21	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.08.2020 04:21	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.08.2020 04:21	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.08.2020 04:21	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.08.2020 04:21	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.08.2020 04:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	70-130	05.08.2020 04:21	
1,4-Difluorobenzene	540-36-3	116	%	70-130	05.08.2020 04:21	

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Sample Id:	S-8	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-032	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.06.2020 17:00	Basis:	Wet Weight
Seq Number:	3125251				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.9**	9.96	mg/kg	05.07.2020 00:19		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	05.07.2020 17:30	Basis:	Wet Weight
Seq Number:	3125463				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	05.07.2020 20:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	05.07.2020 20:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	05.07.2020 20:20	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	05.07.2020 20:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-135	05.07.2020 20:20	
o-Terphenyl	84-15-1	73	%	70-135	05.07.2020 20:20	

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Penasco Services, Carlsbad, NM

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Sample Id:	S-8	Matrix:	Soil	Date Received:	05.06.2020 15:15
Lab Sample Id:	660809-032	Date Collected:	05.06.2020 00:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	05.07.2020 20:00	Basis:	Wet Weight
Seq Number:	3125465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.08.2020 04:43	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.08.2020 04:43	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.08.2020 04:43	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.08.2020 04:43	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.08.2020 04:43	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.08.2020 04:43	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.08.2020 04:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	05.08.2020 04:43	
4-Bromofluorobenzene	460-00-4	110	%	70-130	05.08.2020 04:43	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 660809

Penasco Services

Edith Federal #001

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Seq Number: 3125251 Matrix: Solid Date Prep: 05.06.2020
MB Sample Id: 7702862-1-BLK LCS Sample Id: 7702862-1-BKS LCSD Sample Id: 7702862-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	251	100	250	100	90-110	0	20	mg/kg	05.06.2020 21:54	

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Seq Number: 3125247 Matrix: Solid Date Prep: 05.06.2020
MB Sample Id: 7702861-1-BLK LCS Sample Id: 7702861-1-BKS LCSD Sample Id: 7702861-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	249	100	250	100	90-110	0	20	mg/kg	05.06.2020 18:44	

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Seq Number: 3125251 Matrix: Soil Date Prep: 05.06.2020
Parent Sample Id: 660809-017 MS Sample Id: 660809-017 S MSD Sample Id: 660809-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	166	200	359	97	360	97	90-110	0	20	mg/kg	05.06.2020 22:12	

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Seq Number: 3125251 Matrix: Soil Date Prep: 05.06.2020
Parent Sample Id: 660809-027 MS Sample Id: 660809-027 S MSD Sample Id: 660809-027 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	66.4	199	258	96	258	96	90-110	0	20	mg/kg	05.06.2020 23:32	

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Seq Number: 3125247 Matrix: Soil Date Prep: 05.06.2020
Parent Sample Id: 660723-003 MS Sample Id: 660723-003 S MSD Sample Id: 660723-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	7150	200	7330	90	7350	100	90-110	0	20	mg/kg	05.06.2020 19:01	

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Seq Number: 3125247 Matrix: Soil Date Prep: 05.06.2020
Parent Sample Id: 660809-007 MS Sample Id: 660809-007 S MSD Sample Id: 660809-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	197	99	197	99	90-110	0	20	mg/kg	05.06.2020 20:22	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 660809

Penasco Services

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Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3125417 — Matrix: Solid — Date Prep: 05.06.2020
MB Sample Id: 7702949-1-BLK — LCS Sample Id: 7702949-1-BKS — LCSD Sample Id: 7702949-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1140	114	1170	117	70-135	3	35	mg/kg	05.07.2020 01:19	
Diesel Range Organics (DRO)	<50.0	1000	1210	121	1190	119	70-135	2	35	mg/kg	05.07.2020 01:19	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		133		127		70-135	%	05.07.2020 01:19
o-Terphenyl	125		117		122		70-135	%	05.07.2020 01:19

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3125432 — Matrix: Solid — Date Prep: 05.06.2020
MB Sample Id: 7702958-1-BLK — LCS Sample Id: 7702958-1-BKS — LCSD Sample Id: 7702958-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	869	87	1070	107	70-135	21	35	mg/kg	05.07.2020 01:19	
Diesel Range Organics (DRO)	<50.0	1000	889	89	1140	114	70-135	25	35	mg/kg	05.07.2020 01:19	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	77		93		112		70-135	%	05.07.2020 01:19
o-Terphenyl	74		82		100		70-135	%	05.07.2020 01:19

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3125463 — Matrix: Solid — Date Prep: 05.07.2020
MB Sample Id: 7702968-1-BLK — LCS Sample Id: 7702968-1-BKS — LCSD Sample Id: 7702968-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1100	110	1070	107	70-135	3	35	mg/kg	05.07.2020 19:39	
Diesel Range Organics (DRO)	<50.0	1000	1190	119	1170	117	70-135	2	35	mg/kg	05.07.2020 19:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	76		114		113		70-135	%	05.07.2020 19:39
o-Terphenyl	72		104		103		70-135	%	05.07.2020 19:39

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 660809

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Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3125473 — Matrix: Solid — Date Prep: 05.07.2020
MB Sample Id: 7702966-1-BLK — LCS Sample Id: 7702966-1-BKS — LCSD Sample Id: 7702966-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1060	106	990	99	70-135	7	35	mg/kg	05.07.2020 19:39	
Diesel Range Organics (DRO)	<50.0	1000	1000	100	944	94	70-135	6	35	mg/kg	05.07.2020 19:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		112		104		70-135	%	05.07.2020 19:39
o-Terphenyl	101		115		105		70-135	%	05.07.2020 19:39

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3125417 — Matrix: Solid — Date Prep: 05.06.2020
MB Sample Id: 7702949-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	05.07.2020 00:59	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3125432 — Matrix: Solid — Date Prep: 05.06.2020
MB Sample Id: 7702958-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	05.07.2020 00:59	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3125463 — Matrix: Solid — Date Prep: 05.07.2020
MB Sample Id: 7702968-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	05.07.2020 19:19	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3125473 — Matrix: Solid — Date Prep: 05.07.2020
MB Sample Id: 7702966-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	05.07.2020 19:19	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 660809

Penasco Services

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Analytical Method: TPH By SW8015 Mod | Prep Method: SW8015P
Seq Number: 3125417 | Matrix: Soil | Date Prep: 05.06.2020
Parent Sample Id: 660723-004 | MS Sample Id: 660723-004 S | MSD Sample Id: 660723-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1020	102	989	99	70-135	3	35	mg/kg	05.07.2020 02:20	
Diesel Range Organics (DRO)	<50.0	1000	1000	100	957	96	70-135	4	35	mg/kg	05.07.2020 02:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		106		70-135	%	05.07.2020 02:20
o-Terphenyl	110		105		70-135	%	05.07.2020 02:20

Analytical Method: TPH By SW8015 Mod | Prep Method: SW8015P
Seq Number: 3125432 | Matrix: Soil | Date Prep: 05.06.2020
Parent Sample Id: 660723-005 | MS Sample Id: 660723-005 S | MSD Sample Id: 660723-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1100	110	1100	110	70-135	0	35	mg/kg	05.07.2020 02:20	
Diesel Range Organics (DRO)	<50.2	1000	1180	118	1190	119	70-135	1	35	mg/kg	05.07.2020 02:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		115		70-135	%	05.07.2020 02:20
o-Terphenyl	103		102		70-135	%	05.07.2020 02:20

Analytical Method: TPH By SW8015 Mod | Prep Method: SW8015P
Seq Number: 3125463 | Matrix: Soil | Date Prep: 05.07.2020
Parent Sample Id: 660809-032 | MS Sample Id: 660809-032 S | MSD Sample Id: 660809-032 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1180	118	1190	119	70-135	1	35	mg/kg	05.07.2020 20:41	
Diesel Range Organics (DRO)	<49.9	997	1160	116	1130	113	70-135	3	35	mg/kg	05.07.2020 20:41	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		102		70-135	%	05.07.2020 20:41
o-Terphenyl	91		88		70-135	%	05.07.2020 20:41

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 660809

Penasco Services

Edith Federal #001

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3125473 — Matrix: Soil — Date Prep: 05.07.2020
Parent Sample Id: 660832-001 — MS Sample Id: 660832-001 S — MSD Sample Id: 660832-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1160	116	1150	115	70-135	1	35	mg/kg	05.07.2020 20:41	
Diesel Range Organics (DRO)	1750	1000	3160	141	3100	135	70-135	2	35	mg/kg	05.07.2020 20:41	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		119		70-135	%	05.07.2020 20:41
o-Terphenyl	122		118		70-135	%	05.07.2020 20:41

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3125400 — Matrix: Solid — Date Prep: 05.07.2020
MB Sample Id: 7702858-1-BLK — LCS Sample Id: 7702858-1-BKS — LCSD Sample Id: 7702858-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.114	114	0.115	115	70-130	1	35	mg/kg	05.07.2020 14:05	
Toluene	<0.00200	0.100	0.105	105	0.103	103	70-130	2	35	mg/kg	05.07.2020 14:05	
Ethylbenzene	<0.00200	0.100	0.0974	97	0.0962	96	71-129	1	35	mg/kg	05.07.2020 14:05	
m,p-Xylenes	<0.00400	0.200	0.190	95	0.186	93	70-135	2	35	mg/kg	05.07.2020 14:05	
o-Xylene	<0.00200	0.100	0.0965	97	0.0964	96	71-133	0	35	mg/kg	05.07.2020 14:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	115		109		108		70-130	%	05.07.2020 14:05
4-Bromofluorobenzene	107		100		98		70-130	%	05.07.2020 14:05

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3125465 — Matrix: Solid — Date Prep: 05.07.2020
MB Sample Id: 7702944-1-BLK — LCS Sample Id: 7702944-1-BKS — LCSD Sample Id: 7702944-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.122	122	0.121	121	70-130	1	35	mg/kg	05.07.2020 23:43	
Toluene	<0.00200	0.100	0.111	111	0.112	112	70-130	1	35	mg/kg	05.07.2020 23:43	
Ethylbenzene	<0.00200	0.100	0.103	103	0.104	104	71-129	1	35	mg/kg	05.07.2020 23:43	
m,p-Xylenes	<0.00400	0.200	0.200	100	0.202	101	70-135	1	35	mg/kg	05.07.2020 23:43	
o-Xylene	<0.00200	0.100	0.103	103	0.104	104	71-133	1	35	mg/kg	05.07.2020 23:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	114		109		108		70-130	%	05.07.2020 23:43
4-Bromofluorobenzene	109		100		101		70-130	%	05.07.2020 23:43

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 660809

Penasco Services

Edith Federal #001

Analytical Method: BTEX by EPA 8021B
Prep Method: SW5035A
Seq Number: 3125400
Matrix: Soil
Date Prep: 05.07.2020
Parent Sample Id: 660711-001
MS Sample Id: 660711-001 S
MSD Sample Id: 660711-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.114	113	0.112	111	70-130	2	35	mg/kg	05.07.2020 12:40	
Toluene	<0.00202	0.101	0.0994	98	0.0954	94	70-130	4	35	mg/kg	05.07.2020 12:40	
Ethylbenzene	<0.00202	0.101	0.0886	88	0.0843	83	71-129	5	35	mg/kg	05.07.2020 12:40	
m,p-Xylenes	<0.00404	0.202	0.167	83	0.162	80	70-135	3	35	mg/kg	05.07.2020 12:40	
o-Xylene	<0.00202	0.101	0.0881	87	0.0842	83	71-133	5	35	mg/kg	05.07.2020 12:40	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		110		70-130	%	05.07.2020 12:40
4-Bromofluorobenzene	101		103		70-130	%	05.07.2020 12:40

Analytical Method: BTEX by EPA 8021B
Prep Method: SW5035A
Seq Number: 3125465
Matrix: Soil
Date Prep: 05.07.2020
Parent Sample Id: 660809-020
MS Sample Id: 660809-020 S
MSD Sample Id: 660809-020 SD

Parameter	Parent Result	Spike Amonnt	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.120	120	0.111	111	70-130	8	35	mg/kg	05.08.2020 09:42	
Toluene	<0.00199	0.0996	0.109	109	0.101	101	70-130	8	35	mg/kg	05.08.2020 09:42	
Ethylbenzene	<0.00199	0.0996	0.102	102	0.0944	94	71-129	8	35	mg/kg	05.08.2020 09:42	
m,p-Xylenes	<0.00398	0.199	0.198	99	0.181	91	70-135	9	35	mg/kg	05.08.2020 09:42	
o-Xylene	<0.00199	0.0996	0.102	102	0.0941	94	71-133	8	35	mg/kg	05.08.2020 09:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		108		70-130	%	05.08.2020 09:42
4-Bromofluorobenzene	100		101		70-130	%	05.08.2020 09:42

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

XENCO LABORATORIES

Chain of Custody

Work Order No: 1960809

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 El Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Project Manager:	Penasco Services	Bill to: (if different)	Prima Exploration
Company Name:	Penasco Services	Company Name:	
Address:	1602 E Green St	Address:	
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	
Phone:		Email:	Kenny.long@penascoservices.com kelvin.phillips@penascoservices.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Smith Fed #1	Turn Around	
Project Number:	API #30-025-28850	Routine	X
Project Location		Rush:	
Sampler's Name:		Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank: Yes (No)	Wet Ice:	Yes (No)
Temperature (°C):	2N	Thermometer ID	TNM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	(Yes) No N/A	Total Containers:	32

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2SO4: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	E-300 Cl	SW 8015	SW 8021	Sample Comments
	S-1 (0-1')	S	5-16-20		0-1'		X	X	X	
	S-1 (2')				2'					
	S-1 (3')				3'					
	S-1 (4')				4'					
	S-2 (0-1')				0-1'					
	S-2 (2')				2'					
	S-2 (3')				3'					
	S-2 (4')				4'					
	S-3 (0-1')				0-1'					
	S-3 (2')				2'					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/6/20 15:15	2		
3			4		
5			6		

Revised Date 082619 Rev. 2019.1

Final 1.000

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XENCO LABORATORIES

Chain of Custody

Work Order No: 660809

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasibad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Project Manager:		Bill to: (if different)	Prima Exploration
Company Name:	Penco Services	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		

Work Order Comments
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Edith Fed 1	Turn Around	
Project Number:		Routine ☒	
Project Location		Rush:	
Sampler's Name:		Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temperature (°C):	0.0	Temp Blank: Yes No	Wet Ice: Yes No
Received Intact:	Yes No	Thermometer ID	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Preservative Codes
MeOH: Me
None: NO
HNO3: HN
H2SO4: H2
HCL: HL
NaOH: Na
Zn Acetate+NaOH: Zn
TAT starts the day received by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	E300-CL	SW 6015	SW 8021	Sample Comments
	S-3 (3)	S	5-6-20		3'		X	X	X	
	S-3 (4)				4'					
	S-4 (0-1)				0-1'					
	S-4 (2)				2'					
	S-4 (3)				3'					
	S-4 (4)				4'					
	S-5 (0-1)				0-1'					
	S-5 (2)				2'					
	S-5 (3)				3'					
	S-5 (4)				4'					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/6/20 15:15	2		
3			4		
5			6		

Revised Date 07/24/18 Rev. 2018.1

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XENCO LABORATORIES

Chain of Custody

Work Order No: 1060809

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

www.xenco.com Page 3 of 4

Project Manager:		Bill to: (if different)	Prima Exploration
Company Name:	Penesco Services	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		

Work Order Comments
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Edith Fed 1	Turn Around	
Project Number:		Routine ☒	
Project Location		Rush:	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	20.1	Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes
MeOH: Me
None: NO
HNO3: HN
H2SO4: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn
TAT starts the day received by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	E-300-ICL	SW 8015	SW 8021	Sample Comments
	S-6 (0-1')	S	5-6-20		0-1'			X	X	X	
	S-6 (2')				2'						
	S-6 (3')				3'						
	S-6 (4')				4'						
	S-7 (0-1')				0-1'						
	S-7 (2')				2'						
	S-7 (3')				3'						
	S-7 (4')				4'						
	S-8 (0-1')				0-1'						
	S-8 (2')				2'						

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 FO		5/6/20 15:15	2		
3			4		
5			6		

Revised Date 032519 Rev. 2019.1

Final 1.000

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XENCO LABORATORIES

Chain of Custody

Work Order No: 1616D809

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com Page 4 of 4

Project Manager:		Bill to: (if different)	Prime Exploration
Company Name:	Xenco Services	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Cedar Fed 1	Turn Around	
Project Number:		Routine ☒	
Project Location		Rush:	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	4.1	Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	300-CL	SW8015	SW8021	Sample Comments
	S-8 (3')	S	5/6/20		3'			X	X	X	
	S-8 (4')	S	"		4'			X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			5/6/20 15:14	2		
3				4		
5				6		

Revised Date 022619 Rev. 2019.1

Final 1.000

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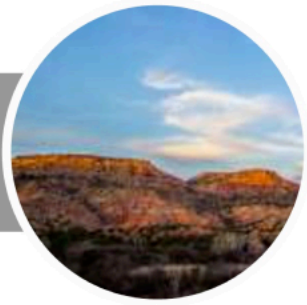


talonlpe.com • 866.742.0742

TALON LPE

Deferment Report

Edith Federal #1
Lea County, New Mexico
Incident # NRM2007645132

Prepared For:

Prima Exploration, Inc.
250 Filmore Street, Ste. 500
Denver, Colorado 80206

Prepared By:

Talon/LPE, Ltd.
408 W. Texas Avenue
Artesia, New Mexico 88210

December 23, 2024

New Mexico Oil Conservation District
506 W. Texas Ave
Artesia, New Mexico 88210

Bureau of Land Management
620 E. Greene Street
Carlsbad, New Mexico 88220

Subject: **Deferment Report**
Edith Federal #1
Lea County, New Mexico
Incident # NRM2007645132

To Whom It May Concern,

Prima Exploration, Inc. contracted Talon/LPE, Ltd. (Talon) to complete sampling and closure activities at the above referenced location. The incident description, soil sampling results, remedial actions, and deferment request are presented herein.

Site Information

The Edith Federal #1 is located approximately 13 miles southeast of Maljamar, New Mexico. The legal location for this release is Unit Letter N, Section 25, Township 18 South, and Range 33 East in Lea County, New Mexico. The latitude and longitude for the site is 32.7131958, -103.6176529. Site maps are presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soils in the area are made up of Kermit soils and dune land with 0 to 12 percent slopes and the Pyote and Maljamar fine sands complex with 0 to 3 percent slopes. The referenced soil data is presented in Appendix III. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of eolian and piedmont deposits, Holocene to middle Pleistocene in age. Drainage courses in this area are typically well drained. Groundwater and site characterization data is summarized in the following table.

Groundwater and Site Characterization

What is the shallowest depth to groundwater beneath the area affected by the release?	Between 51 and 75 (ft bgs)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse.	Greater than 5 miles
Distance from any lakebed, sinkhole, or playa lake.	Between 1 and 5 mile
Distance from an occupied permanent residence, school, hospital, institution, or church.	Greater than 5 miles
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Greater than 5 miles
Distance from any fresh water well or spring.	Greater than 5 miles
Distance from incorporated municipal boundaries or a defined municipal fresh water field.	Greater than 5 miles
Distance from a wetland.	Between 1 and 5 mile
Distance from a subsurface mine.	Greater than 5 miles
Distance from (non-karst) unstable area.	Greater than 5 miles
Categorize the risk of this well/site being in a karst geology.	Low
Distance from a 100 year floodplain.	Greater than 5 miles
Did the release impact areas not on an exploration, development, production, or storage site?	No

With no depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore, adhere to the cleanup criteria for this site of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

Table I - Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Total Chlorides***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

*Or other test methods approved by the division,

**Numerical limits or natural background level, whichever is greater.

***This applies to releases of produced water or other fluids, which may contain chloride.

[19.15.29.12 NMAC - N, 8/14/2018]

Incident Description

On March 11, 2020, approximately 225 barrels (bbls) of crude oil were discharged into the tank battery's secondary containment due to an equipment failure. A vacuum truck was dispatched and 203 bbls of crude oil were recovered from the area. The release was reported to the NMOCD and was assigned incident # NRM2007645132. Heavily impacted soils within the containment were removed after the release.

In February 2021, the upper 2-feet of impacted soil was hand excavated so as not to disturb the existing infrastructure in the tank battery.

Site Assessment Activities

On September 10, 2024, soil samples were collected from the site at one (1) sample location located within the tank battery containment (S-4, the only area within the battery with access to mechanical equipment). Three (3) additional soil locations outside of the secondary containment (S-1, S-2, and S-5), and two (2) sample locations in adjacent pasture locations (S-3 and S-6).

The sample area around the release point (S-4, source sample location) was determined to be an area of deferment based on the proximity of existing infrastructure as the excavation could not be advanced further due to safety concerns (Figure 1). Vertical delineation was achieved from the assessment point S-4 at 12 feet bgs. The sample areas outside of the secondary

containment (S-1, S-2, and S-3) were completed to depths of four (4) feet bgs, and sample area S-5 was completed to two (2) feet bgs. The sample area (S-6) was completed south of the adjacent lease road to a depth of four (4) feet bgs.

The soil samples were transported with the chain of custody to Cardinal Laboratories in Hobbs, New Mexico for analysis of Chlorides (SW4500Cl-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015B NM) and Volatile Organics (BTEX, EPA Method 8021B).

Results from the sampling event are presented on Table 1 in Appendix II and the complete laboratory reports can be found in Appendix V. Sample locations are shown on the attached Figure 1 in Appendix I.

Remedial Action Summary

- The sample area of S-4 within the secondary containment had documented laboratory exceedances for TPH. However, vertical delineation of the impacted area was established at 12 feet bgs within the release area.
- Pad assessment areas (S-1, S-2, and S-5) did not have any documented laboratory exceedances above NMOCD closure criteria.
- The pasture assessment areas (S-3 and S-6) did not have any documented laboratory exceedances above NMOCD closure criteria.
- The secondary containment area is being requested for deferment until the onsite equipment and underground infrastructure are removed.
- Photographic documentation is provided in Appendix IV.

Deferment Request

Based on the site assessment and characterization data, remedial actions completed, and delineation sampling results obtained for this project, on behalf of Prima Exploration, Inc., we respectfully request that no further actions be required at this time and the deferral of the release be granted due to the proximity of existing infrastructure and so as to not compromise it's structural integrity.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,
Talon

J. Yvette Moore
J.Yvette Moore
Environmental Specialist II

David J. Adkins
David J. Adkins
Regional Manager

Attachments:

Appendix I	Site Maps
Appendix II	Tables
Appendix III	Site Characterization
Appendix IV	Photographic Documentation
Appendix V	Laboratory Analytical Data

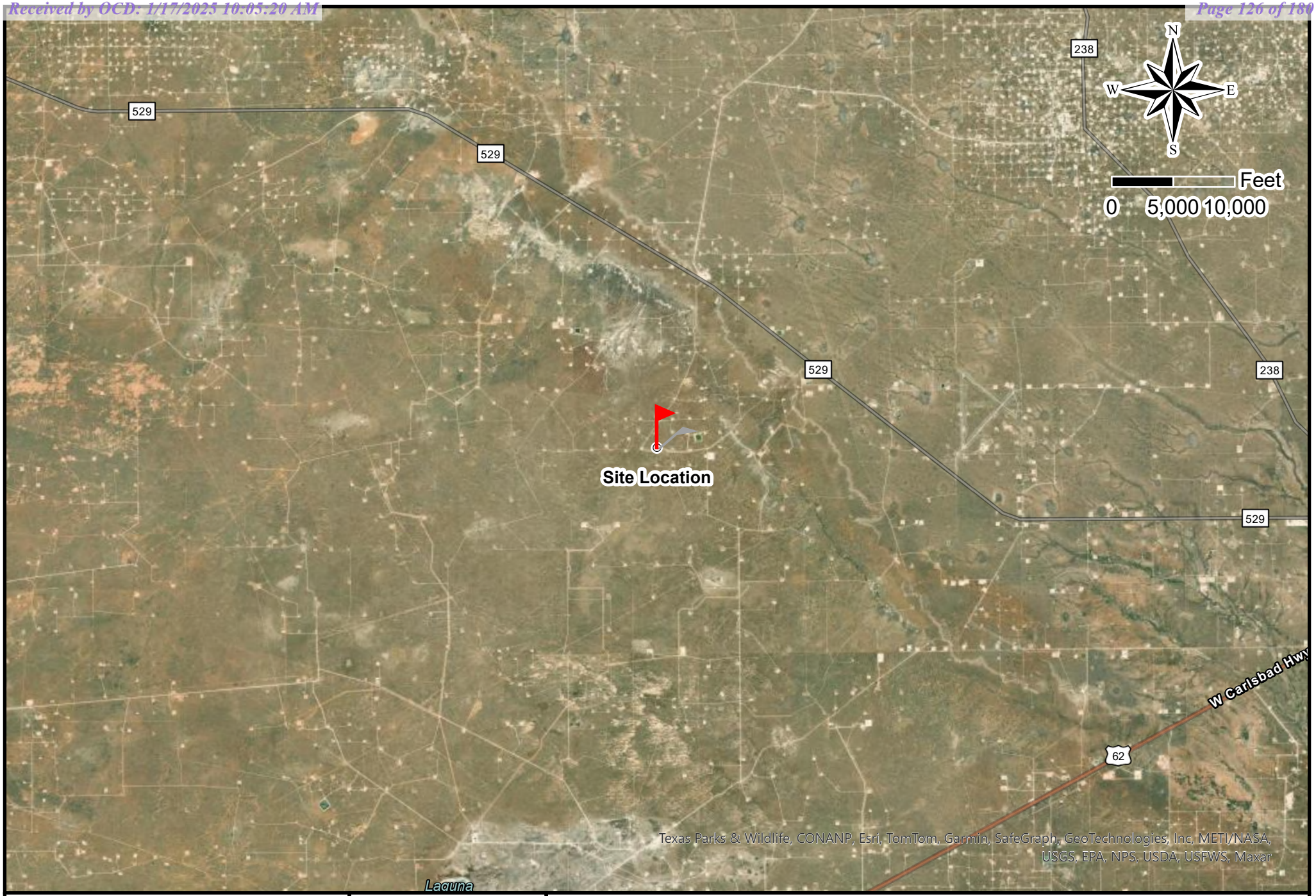
APPENDIX I

Site Maps

TALON LPE

Drafted: 10/28/2024
1 in = 50 ft
Drafted By: IJR

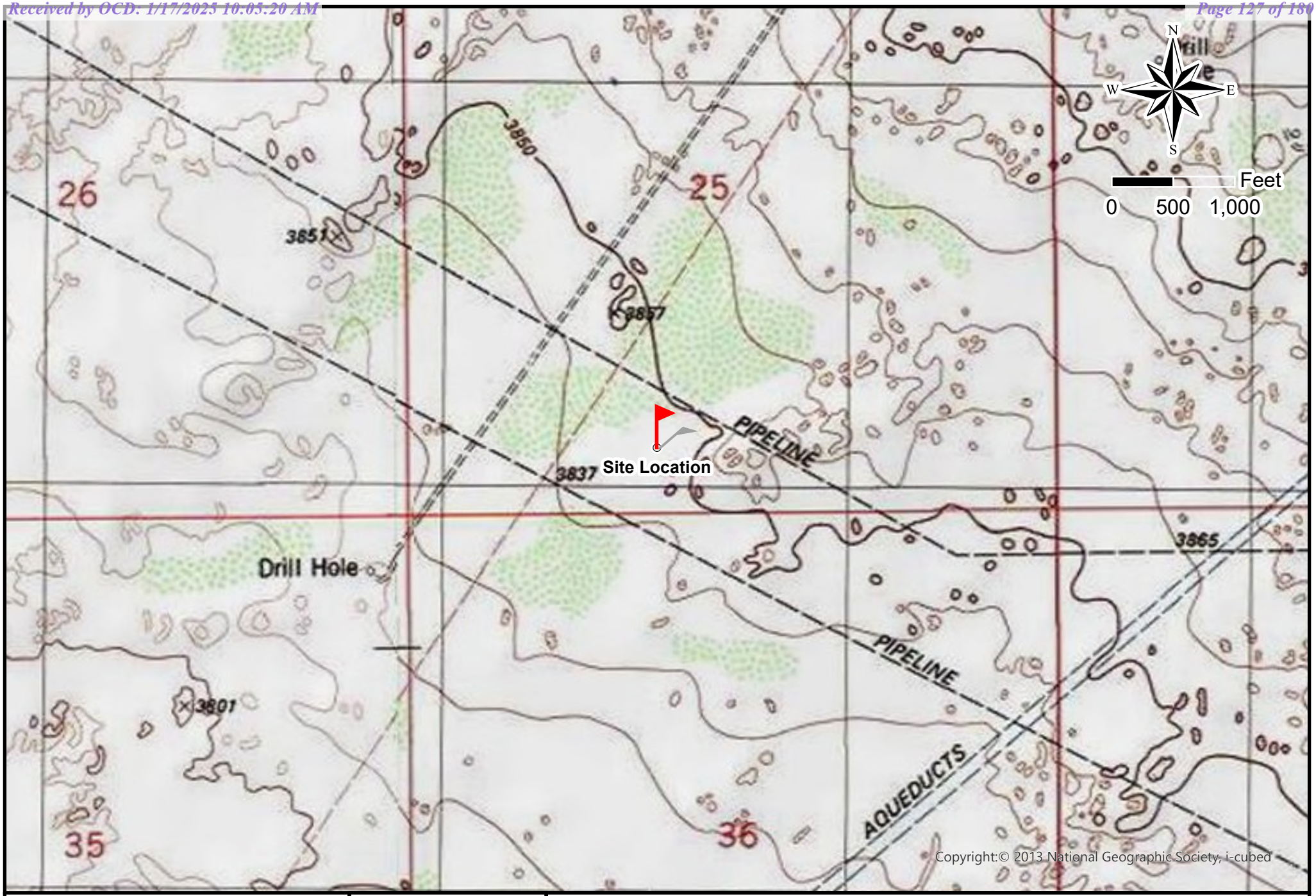
Prima Exploration, Inc.
Edith Federal #1
Lea County, New Mexico
Figure 1 - Assessment Map



TALON LPE

Drafted: 10/28/2024
1 in = 10,000 ft
Drafted By: IJR

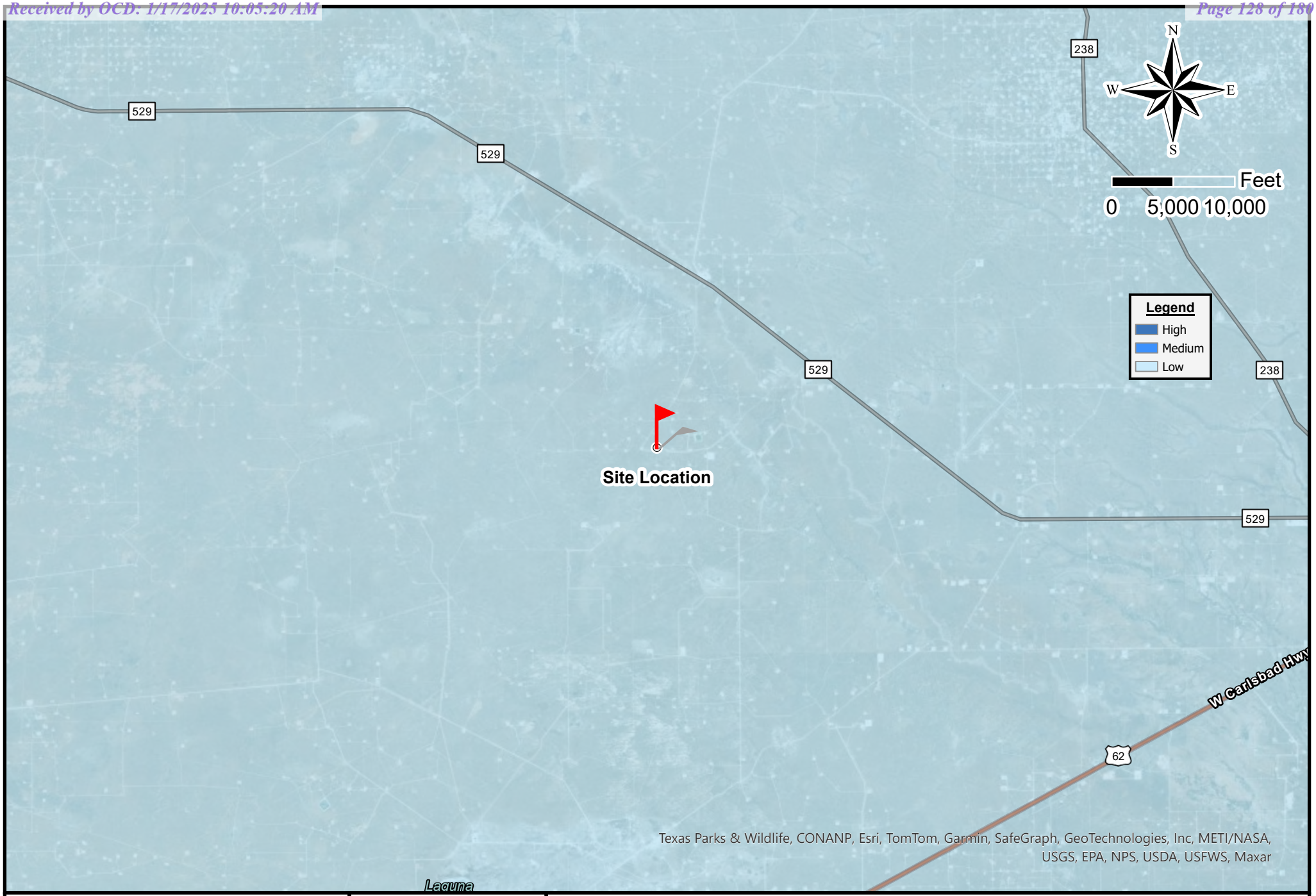
Prima Exploration, Inc.
Edith Federal #1
Lea County, New Mexico
Figure 2 - Site Location Map



TALON LPE

Drafted: 10/28/2024
1 in = 1,000 ft
Drafted By: IJR

Prima Exploration, Inc.
Edith Federal #1
Lea County, New Mexico
Figure 3 - Topographic Map



TALON LPE

Drafted: 10/28/2024
1 in = 10,000 ft
Drafted By: IJR

Prima Exploration, Inc.
Edith Federal #1
Lea County, New Mexico
Figure 4 - Karst Map

APPENDIX II

Tables

Table 1
Assessment Sampling
Laboratory Analytical Summary

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	9/10/2024	0'	ND	ND	ND	ND	ND	-	48
	9/10/2024	2'	ND	ND	ND	ND	ND	-	16
	9/10/2024	4'	ND	ND	ND	ND	ND	-	32
S-2	9/10/2024	0'	ND	ND	ND	ND	ND	-	48
	9/10/2024	2'	ND	ND	ND	ND	ND	-	64
	9/10/2024	4'	ND	ND	ND	ND	ND	-	96
S-3	9/10/2024	0'	ND	ND	ND	ND	ND	-	16
	9/10/2024	2'	ND	ND	ND	ND	ND	-	32
	9/10/2024	4'	ND	ND	ND	ND	ND	-	16
S-4	9/10/2024	2'	ND	ND	ND	**3200**	**1140**	**4340**	64
	9/10/2024	4'	ND	ND	ND	**677**	**329**	**1006**	32
	9/10/2024	6'	ND	ND	103	**4350**	**1110**	**5563**	16
	9/10/2024	8'	ND	ND	ND	ND	ND	-	32
	9/10/2024	10'	ND	ND	ND	**193**	**44.9**	**237.9**	32
	9/10/2024	12'	ND	ND	ND	10.1	ND	10.1	32
S-5	9/10/2024	0'	ND	ND	ND	ND	ND	-	16
	9/10/2024	2'	ND	ND	ND	ND	ND	-	16
S-6	9/10/2024	0'	ND	ND	ND	ND	ND	-	16
	9/10/2024	2'	ND	ND	ND	ND	ND	-	16
	9/10/2024	4'	ND	ND	ND	ND	ND	-	ND

NOTES:

BGS	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Table 1
Assessment Sampling
Laboratory Analytical Summary

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg

MRO Motor oil range organics
S Sample
ND Analyte Not Detected

APPENDIX III

Site Characterization

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)			(quarters are smallest to largest)						(NAD83 UTM in meters)			(In feet)	(In fe
POD Number	**Code**	**Sub basin**	**County**	**Q64**	**Q16**	**Q4**	**Sec**	**Tws**	**Range**	**X**	**Y**	**Map**	**Well Depth**	**Depth**
CP 00072 POD1		CP	LE	NE	SW	SE	11	18S	33E	628284.0	3625242.0 *		85	
CP 00072 POD2		CP	LE			SE	11	18S	33E	628386.0	3625344.0		90	
CP 00072 POD3		CP	LE	NE	SE	SE	10	18S	33E	627076.0	3625223.0 *		70	
CP 00072 POD4		CP	LE	NW	SE	NE	10	18S	33E	625948.0	3626028.0		70	
CP 00072 POD5		CP	LE	NE	NW	SE	11	18S	33E	628219.0	3625573.7		100	64
CP 00072 POD6		CP	LE	NE	SE	SE	11	18S	33E	628602.8	3625179.8		100	61
CP 00546 POD1		CP	LE	NE	NE	SE	09	18S	33E	625464.0	3625597.0 *		90	70
CP 00623 POD1		CP	LE	NW	NW	NW	13	18S	33E	628895.0	3624852.0 *		82	60
CP 00623 POD2		CP	LE	NW	NE	NW	13	18S	33E	629242.8	3624542.5		100	
CP 00691		CP	LE	SE	SE	NE	24	18S	33E	630327.0	3622662.0 *		215	195
CP 00701		CP	LE		NW	SW	11	18S	33E	627373.0	3625534.0 *		100	
CP 00701 POD2		CP	LE	SE	NW	SW	11	18S	33E	627472.0	3625433.0 *		100	
CP 00758 POD1		CP	LE			SW	04	18S	33E	624345.0	3626886.0 *		250	
CP 00769 POD1		CP	LE	NW	NW	NE	13	18S	33E	629699.0	3624866.0 *		115	70
CP 00813 POD1		CP	LE			NW	33	18S	33E	624441.0	3619644.0 *		300	
CP 01417 POD1		CP	LE				11	18S	33E	627036.4	3625738.0		120	54
CP 01857 POD1		CP	LE	SW	SE	SE	32	18S	33E	623693.3	3618622.5			
L 02878	R	L	LE		SE	SE	12	18S	33E	628945.8	3736195.7		205	150
L 02878 POD2		L	LE		SE	SE	12	18S	33E	630196.0	3625175.0		220	220
L 03454		L	LE		NE	NE	30	18S	33E	622200.0	3621422.0 *		100	35
L 04649		L	LE	NW	NW	SW	03	18S	33E	625644.0	3627213.0 *		100	45
L 06131		L	LE	SW	NW	NE	08	18S	33E	623241.0	3626167.0 *		194	100

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)			(quarters are smallest to largest)						(NAD83 UTM in meters)			(In feet)	(In fe
POD Number	**Code**	**Sub basin**	**County**	**Q64**	**Q16**	**Q4**	**Sec**	**Tws**	**Range**	**X**	**Y**	**Map**	**Well Depth**	**Depth**
L 06347		L	LE		SE	SE	12	18S	33E	630196.0	3625175.0 *		170	130
L 08288		L	LE	SW	SW	SW	12	18S	33E	628890.0	3625054.0 *		79	60
L 13406 POD1		L	LE	SE	SE	SE	12	18S	33E	630278.8	3625061.0		220	
														Average
														Minimu
														Maximu

Record Count: 25

Basin/County Search:
County: LE

PLSS Search:
Range: 33E
Township: 18S

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

10/16/24 9:04 AM MST **Water Column/Average Depth to Water**

Soil Map—Lea County, New Mexico

Map Scale: 1:826 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 10 20 40 60

Feet: 0 40 80 160 240

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KM	Kermit soils and Dune land, 0 to 12 percent slopes	2.8	77.3%
PU	Pyote and Maljamar fine sands	0.8	22.7%
Totals for Area of Interest		**3.6**	**100.0%**

Lea County, New Mexico

KM—Kermit soils and Dune land, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpx
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 46 percent
Dune land: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand
C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 5 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 3 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

Description of Dune Land

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 6 inches: fine sand
C - 6 to 60 inches: fine sand

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Palomas

Percent of map unit: 3 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Pyote

Percent of map unit: 3 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Maljamar

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very 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: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 21, Sep 3, 2024

National Flood Hazard Layer FIRMette

FEMA

103°37'25"W 32°43'2"N

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

1:6,000

103°36'47"W 32°42'32"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

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

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

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

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

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/16/2024 at 12:24 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.

APPENDIX IV

Photographic Documentation

Edith Federal #1
Lea County, New Mexico

Photograph No 1 Description:

View following initial release in March 2020.

Photograph No 2 Description:

View following initial release in March 2020.

Photograph No 3 Description:

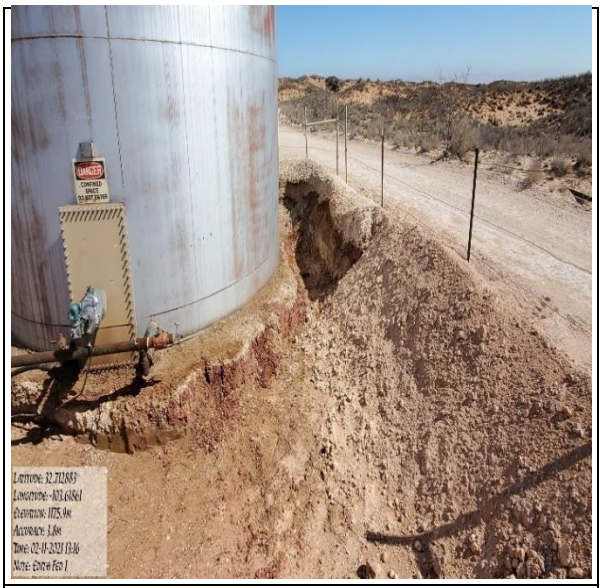
Tank battery following impacted soil removal in February 2021.

Photograph No 4 Description:

Tank battery following impacted soil removal in February 2021.

Photograph No. 5 Description:

Tank battery following impacted soil removal in February 2021.



Photograph No. 6 Description:

Tank battery following impacted soil removal in February 2021.

Photograph No. 7 Description:

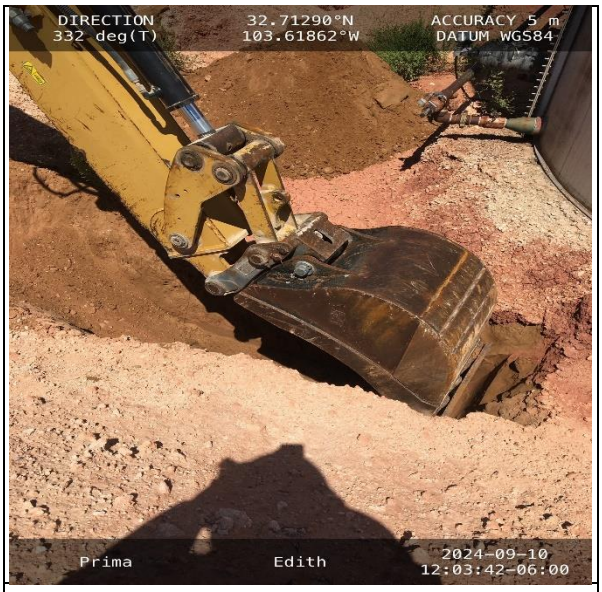
View of tank battery during delineation sampling September 10, 2024.

Photograph No. Description:

View of tank battery during delineation sampling September 10, 2024.

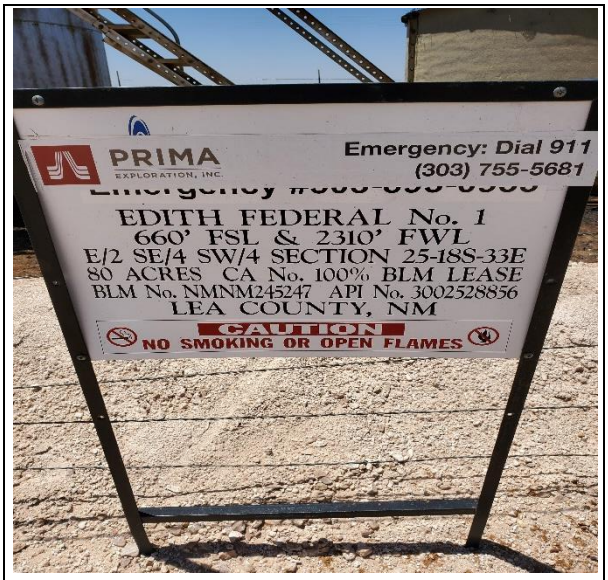
Photograph No. 9 Description:

View of tank battery during delineation sampling September 10, 2024.



Photograph No. 10 Description:

Backhoe sampling for vertical delineation September 10, 2024.



Photograph No. 11 Description:

View of well sign.

APPENDIX V

Laboratory Analytical Data

CARDINAL Laboratories

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

September 19, 2024

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EDITH FED #1

Enclosed are the results of analyses for samples received by the laboratory on 09/13/24 16:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 1 @ 0' (H245612-01)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *117 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 1 @ 2' (H245612-02)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *121 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *130 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 1 @ 4' (H245612-03)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 2 @ 0' (H245612-04)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *75.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 2 @ 2' (H245612-05)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 2 @ 4' (H245612-06)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 3 @ 0' (H245612-07)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *118 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *124 %* *49.1-148*

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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 3 @ 2' (H245612-08)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	206	103	200	0.0558	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	202	101	200	1.11	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *94.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 3 @ 4' (H245612-09)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	206	103	200	0.0558	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	202	101	200	1.11	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *95.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 4 @ 2' (H245612-10)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	09/17/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	**3200**	50.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	**1140**	50.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *147 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *207 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 4 @ 4' (H245612-11)

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	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/17/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	211	105	200	2.20	
DRO >C10-C28*	**677**	10.0	09/18/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	**329**	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane *136 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *171 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 4 @ 6' (H245612-12)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2024	ND	2.23	111	2.00	1.74	
Toluene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.36	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.28	114	2.00	2.64	GC-NC
Total Xylenes*	<0.150	0.150	09/17/2024	ND	7.03	117	6.00	1.34	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *229 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	09/17/2024	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**103**	50.0	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	**4350**	50.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	**1110**	50.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *150 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *223 %* *49.1-148*

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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 4 @ 8' (H245612-13)

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	09/18/2024	ND	2.11	105	2.00	0.492	
Toluene*	<0.050	0.050	09/18/2024	ND	2.08	104	2.00	0.410	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.48	108	6.00	1.39	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**32.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	211	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	209	104	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 4 @ 10' (H245612-14)

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	09/18/2024	ND	2.11	105	2.00	0.492	
Toluene*	<0.050	0.050	09/18/2024	ND	2.08	104	2.00	0.410	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.48	108	6.00	1.39	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *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	**32.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	196	98.2	200	1.23	
DRO >C10-C28*	**193**	10.0	09/17/2024	ND	194	96.9	200	3.48	
EXT DRO >C28-C36	**44.9**	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *84.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 4 @ 12' (H245612-15)

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	09/18/2024	ND	2.11	105	2.00	0.492	
Toluene*	<0.050	0.050	09/18/2024	ND	2.08	104	2.00	0.410	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.48	108	6.00	1.39	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *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	**32.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	196	98.2	200	1.23	
DRO >C10-C28*	**10.1**	10.0	09/17/2024	ND	194	96.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *117 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 5 @ 0' (H245612-16)

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	09/18/2024	ND	2.11	105	2.00	0.492	
Toluene*	<0.050	0.050	09/18/2024	ND	2.08	104	2.00	0.410	
Ethylbenzene*	<0.050	0.050	09/18/2024	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	09/18/2024	ND	6.48	108	6.00	1.39	
Total BTEX	<0.300	0.300	09/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *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	**16.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	196	98.2	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	194	96.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *99.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 5 @ 2' (H245612-17)

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	09/17/2024	ND	2.02	101	2.00	2.00	
Toluene*	<0.050	0.050	09/17/2024	ND	1.98	98.8	2.00	1.90	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.05	103	2.00	1.22	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.16	103	6.00	1.11	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *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	**16.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	196	98.2	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	194	96.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 6 @ 0' (H245612-18)

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	09/17/2024	ND	2.02	101	2.00	2.00	
Toluene*	<0.050	0.050	09/17/2024	ND	1.98	98.8	2.00	1.90	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.05	103	2.00	1.22	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.16	103	6.00	1.11	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *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	**16.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	196	98.2	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	194	96.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *125 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 6 @ 2' (H245612-19)

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	09/17/2024	ND	2.02	101	2.00	2.00	
Toluene*	<0.050	0.050	09/17/2024	ND	1.98	98.8	2.00	1.90	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.05	103	2.00	1.22	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.16	103	6.00	1.11	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *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	**16.0**	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	196	98.2	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	194	96.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *128 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	09/13/2024	Sampling Date:	09/10/2024
Reported:	09/19/2024	Sampling Type:	Soil
Project Name:	EDITH FED #1	Sampling Condition:	Cool & Intact
Project Number:	702678.001.03	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

Sample ID: S - 6 @ 4' (H245612-20)

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	09/17/2024	ND	2.02	101	2.00	2.00	
Toluene*	<0.050	0.050	09/17/2024	ND	1.98	98.8	2.00	1.90	
Ethylbenzene*	<0.050	0.050	09/17/2024	ND	2.05	103	2.00	1.22	
Total Xylenes*	<0.150	0.150	09/17/2024	ND	6.16	103	6.00	1.11	
Total BTEX	<0.300	0.300	09/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *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	<16.0	16.0	09/17/2024	ND	400	100	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	09/17/2024	ND	196	98.2	200	1.23	
DRO >C10-C28*	<10.0	10.0	09/17/2024	ND	194	96.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	09/17/2024	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon LPE	**BILL TO**
Project Manager: David Adkins	P.O. #:
Address: 408 W Texas	Company: Talon LPE
City: Artesia State: NM Zip: 88210	Attn: David Adkins
Phone #: 432-210-5443 Fax #:	Address:
Project #: 02678.001.03 Project Owner:	City:
Project Name: Edith Fed #1	State: Zip:
Project Location: Lea County	Phone #:
Sampler Name: Carlos Jaramillo	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides	TPH	BTEX
H245112											✓						
1	S-1 @ 0'	G	1			X							9/10/24	11:00am	X	X	X
2	S-1 @ 2'	G	1			X								11:15am	X	X	X
3	S-1 @ 4'	G	1			X								11:25am	X	X	X
4	S-2 @ 0'	G	1			X								11:45am	X	X	X
5	S-2 @ 2'	G	1			X								12:00pm	X	X	X
6	S-2 @ 4'	G	1			X								12:15pm	X	X	X
7	S-3 @ 0'	G	1			X								12:30pm	X	X	X
8	S-3 @ 2'	G	1			X								12:45pm	X	X	X
9	S-3 @ 4'	G	1			X								1:15pm	X	X	X
10	S-4 @ 2'	G	1			X								1:35pm	X	X	X

Relinquished By:	Date: 9/13/24 Time: 1644	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 59°C Corrected Temp. °C 58°C	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials) AD	Turnaround Time: Standard / Rush Thermometer ID #113 #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition: ☐ Cool ☐ Intact ☐ Yes ☐ No — Observed Temp. °C ☐ Yes ☐ No — Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Talon LPE	**BILL TO**	
Project Manager:	David Adkins	P.O. #:	
Address:	408 W Texas	Company:	Talon LPE
City:	Artesia State: NM Zip: 88210	Attn:	David Adkins
Phone #:	432-210-5443 Fax #:	Address:	
Project #:	702678.001.003 Project Owner:	City:	
Project Name:	Edith Fed #1	State: Zip:	
Project Location:	Lea County	Phone #:	
Sampler Name:	Carlos Jaramillo	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	Chlorides	TPH	BTEX
H245017																	
11	S-4 @ 4'	G	1			X							7.10.24	1:50pm	X	X	X
12	S-4 @ 6'	G	1			X								2:15pm	X	X	X
13	S-4 @ 8'	G	1			X								2:35pm	X	X	X
14	S-4 @ 10'	G	1			X								2:50pm	X	X	X
15	S-4 @ 12'	G	1			X								3:15pm	X	X	X
16	S-5 @ 0'	G	1			X								3:35pm	X	X	X
17	S-5 @ 2'	G	1			X								3:50pm	X	X	X
18	S-6 @ 0'	G	1			X								4:00pm	X	X	X
19	S-6 @ 2'	G	1			X								4:20pm	X	X	X
20	S-6 @ 4'	G	1			X								4:35pm	X	X	X

Relinquished By:	Date: 9.13.24 Time: 1044	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 5.9 Corrected Temp. °C 5.3	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials)	Turnaround Time: Standard / Rush; Thermometer ID #113 / #140; Correction Factor -0.6°C; Bacteria (only) Sample Condition Cool: Yes / No Intact: Yes / No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 07/18/22

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 421864

QUESTIONS

Operator: Prima Exploration, Inc. 250 Fillmore Street, Ste. 500 Denver, CO 80206	OGRID: 329344
	Action Number: 421864
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nRM2007645132**
Incident Name	**NRM2007645132 EDITH FEDERAL #001 @ 30-025-28856**
Incident Type	**Oil Release**
Incident Status	**Deferral Request Received**
Incident Well	**[30-025-28856] EDITH FEDERAL #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	EDITH FEDERAL #001
Date Release Discovered	03/11/2020
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Tank (Any) | Crude Oil | Released: 225 BBL | Recovered: 203 BBL | Lost: 22 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
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.*

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: Prima Exploration, Inc. 250 Fillmore Street, Ste. 500 Denver, CO 80206	OGRID: 329344
	Action Number: 421864
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Chris Stevenson Title: Petroleum Engineer Email: cstevenson@primaex.com Date: 01/17/2025

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

QUESTIONS (continued)

Operator: Prima Exploration, Inc. 250 Fillmore Street, Ste. 500 Denver, CO 80206	OGRID: 329344
	Action Number: 421864
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	96
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5563
GRO+DRO (EPA SW-846 Method 8015M)	4350
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	09/10/2034
On what date will (or did) the final sampling or liner inspection occur	09/10/2024
On what date will (or was) the remediation complete(d)	12/10/2034
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2214
What is the estimated volume (in cubic yards) that will be remediated	328
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 (continued)

Operator: Prima Exploration, Inc. 250 Fillmore Street, Ste. 500 Denver, CO 80206	OGRID: 329344
	Action Number: 421864
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	LEA LAND LANDFILL [fEEM0112342028]
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: Chris Stevenson Title: Petroleum Engineer Email: cstevenson@primaex.com Date: 01/17/2025
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 (continued)

Operator: Prima Exploration, Inc. 250 Fillmore Street, Ste. 500 Denver, CO 80206	OGRID: 329344
	Action Number: 421864
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Full remediation would require removing two oil tanks and one water tank with all subsequent piping. This would be a full deconstruction and reconstruction of the entire tank battery.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2214
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	328
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	*Not answered.*
Enter the well API (30-) on which this deferral should be granted	30-025-28856 EDITH FEDERAL #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
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: Chris Stevenson Title: Petroleum Engineer Email: cstevenson@primaex.com Date: 01/17/2025

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QUESTIONS (continued)

Operator:	OGRID:
Prima Exploration, Inc. 250 Fillmore Street, Ste. 500 Denver, CO 80206	329344
	Action Number: 421864
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	*{Unavailable.}*

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

Operator: Prima Exploration, Inc. 250 Fillmore Street, Ste. 500 Denver, CO 80206	OGRID: 329344
	Action Number: 421864
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Prima's deferral requests final remediation for (Incident Number NRM2007645132) until final reclamation of the well pad or major construction, whichever comes first. Talon and Prima do not believe deferment will result in imminent risk to human health, the environment, or groundwater. Two feet of impacted soil was hand excavated to remove contaminated soil within the bermed containment. The area requested for deferral is the impacted soil including sample location S-4, which is located inside the bermed secondary containment and around the tanks, where remediation would require a major facility deconstruction. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and placed in the incident file. The release will remain open in OCD database files and reflect an open environmental issue.	4/17/2025