

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	nAPP2312129778
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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

Form C-141

State of New Mexico
Oil Conservation Division

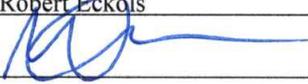
Page 2

Incident ID	nAPP2305855170
District RP	
Facility ID	
Application ID	

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.

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: Robert Eckols Title: Vice President Engineering

Signature:  Date: 7/7/23

email: reckols@extex.net Telephone: 713-953-0824

OCD Only

Received by: Shelly Wells Date: 7/7/2023

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	nAPP2305855170
District RP	
Facility ID	
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Remediation Plan

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

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- 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: Robert Eckols Title: Vice President Engineering

Signature:  Date: 7/7/23

email: reckols@extex.net Telephone: 713-953-0824

OCD Only

Received by: Shelly Wells Date: 7/7/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

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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: Roberts Exckols Title: Vice President Engineering

Signature:  Date: 7/7/23

email: robex@extex.net Telephone: 713-953-0824

OCD Only

Received by: Shelly Wells Date: 7/7/2023

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

Closure Approved by: Nelson Velez Date: 09/29/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Extex Operating Company

5065 Westheimer Road, Suite 625

Houston, Texas 77056

Phone Number: 713-953-0824

Authorized Representative: Robert Eckols

Site Contact: Greg Skiles @ 575-602-5862

Extex Operating – Penroc 10 State No. 1

Oil Spill Clean Up

Lea County, New Mexico

Latitude: N 33.455884°

Longitude: W 103.459694°

Penroc 10 State No. 1 – Remediation & Delineation Report

2023

Client Name: Extex Operating, LLC

Facility: Penroc 10 State No. 1

Inspector Name: Kevin Robinson

Date: July 3, 2023

Facility and Production Well Demographics with Site Inspection

LOCATION AND ACCESS TO FACILITY – SECTION 1		
1	Facility or Well GPS coordinate:	N 33.455884°
2	Facility or Well GPS coordinate:	W 103.459694°
3	Well or Facility API Number:	30-025-34613
4	Well or Facility Section Identifier:	SEC 9-T10S-R34E
5	County, State:	Lea County, New Mexico
6	Type of facility or site description:	Oil & Natural Gas Production Well
7	Gate or Entrance GPS Latitude:	N 33.473603°
8	Gate or Entrance GPS Longitude:	W 103.523223°
9	What is the main access road to facility?	County Road 155/Lane Road
10	Where is the closest marked intersection?	9 Ranch Road & Highway 380
11	What is the composition of lease road?	Earthen Material & Caliche
12	What is the condition of lease road?	Good
13	Is there a gate at the entrance or facility?	No
14	Is the gate open or locked?	N/A
15	If locked, does lock require key or combination; list #	N/A
16	Driving directions or distance from main access road to the spot of the spill and or remediation:	From the center of county road 155/Lane Road, travel east 3.86 miles to first right turn. Turn right and proceed 1.70 miles south to well entrance, turn right and travel .40 miles to production well.
17	Is there signage at the gate or entrance?	No
18	What is the condition of the signage?	N/A
19	Facility Elevation:	4060'
20	Is there signage at the facility or spill site?	Yes
21	What is the condition of the signage?	Good
22	How was the spill caused?	Leak from separator equipment failure
23	Spill area description:	Light oil leakage around the vessel within containment and light oil staining outside containment. All free oil and water have been removed.
24	Adjacent land to this facility is used for:	Open Pasture & Oil Production
25	The terrain for this facility is:	Flat
26	In the event of a spillage, the direction of flow would be:	South
27	Are there ANY water sources visible from the facility?	No
28	LOCATION AND FACILITY NOTES:	No leakage or spillage around the production well, all leakage and spillage removed.

Penroc 10 State No. 1 – Remediation & Delineation Report

2023

BACKGROUND

On 5/1/2023, Extex Operating reported a minor 5 bbl oil spill at the Penroc 10 State No.1 production site (Incident # nAPP2312129778). Extex representatives arrived at the spill site and determined 5 bbls of oil were released due to separator equipment failure and recovered approximately 5 bbls of oil.

COMM Engineering was contracted to begin site assessment/characterization with initial soil testing in preparation for completing further remediation and site reclamation.

WATER SOURCES AND GROUNDWATER DEPTH NEAR SPILL SITE

A search of groundwater and water depth databases maintained by the New Mexico Office of the State Engineer (NMOSE), U.S. Fish and Wildlife Service, and United States Geological Survey (USGS) was conducted to determine the horizontal and vertical distance to known water sources near the site.

Site Specific Condition	Result (Yes/No)	If Yes Comments
Depth to Groundwater	No data within 0.5 miles	-
Within 300 feet of any continuously flowing watercourse or any other significant watercourse?	No	-
Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)?	No	-
Within 300 feet from an occupied residence, school, hospital, institution or church?	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?	No	-
Within the area overlying a subsurface mine	No	-
Within an unstable area (Karst Map)	No	-
Within a 100-year Floodplain	No	-

Penroc 10 State No. 1 – Remediation & Delineation Report

2023

CLOSURE CRITERIA

We will be using the standards of Closure Criteria for Soil Impacted by Release, where the water table is no water data within 0.5 miles radius and Off-Pad, as defined in Table 1; 19.15.29 NMAC and detailed below:

Closure Criteria for Soils Impacted by a Release						
Depth to Groundwater		Closure Criteria (mg/kg)				
	Constituent	Chloride	TPH	GRO+DRO	BTEX	Benzene
No water data within 0.5-mile radius	Yes	600	100		50	10
Less than 50 ft	-	600	100		50	10
51 ft to 100 ft	-	10000	2500	1000	50	10
Greater than 100 ft	-	20000	2500	1000	50	10
Off-Pad	Yes	600	100		50	10

REMEDIATION PLAN

Based on the site characteristics and field observations made during the initial site assessment, we will use the following remediation activities:

- Utilizing heavy equipment and labor to excavate and remove the contaminated soil.
- Use said heavy equipment to excavate where possible within containment and utilize manual labor to dig and remove contaminated soil from around the separator and flow lines within containment.
- The excavated contaminated soil will be removed from the spill site and transported to a licensed soil disposal facility. No contaminated soil will be stockpiled at the location after final remediation.
- After excavation, the impacted area will be sampled to determine whether all NMOCD thresholds have been adhered to.
- After the contaminated areas have been fully tested and remediated, caliche or a similar base product will be used to backfill all excavated areas within containment.
- Said caliche will be used to reconstruct the containment system around the storage tanks.
- Outside containment, all areas will be backfilled and restored with “Native” soil only; either purchased from the landowner or from a location providing similar material.
- All excavated areas outside containment will be compacted and prepared for re-seeding the affected areas.

- No contaminated soil will be left on site and no stockpiles of caliche will be stored.

REMEDIATION ACTIVITIES

SPILL AND SITE INFORMATION

Spill Site Description

Provided below is a satellite image of the Penroc 10-1 battery located in Lea County New Mexico. The spill areas have been highlighted and labeled as Area (IS) for inside containment and Area (OS) for outside containment. (See Example A)

Example A



Leakage and Spill Descriptions

Area – “IS”: 9-foot by 8-foot area of light oil leakage around the vessel within containment.

Area – “OS”: 12-foot by 12-foot area of light oil and produced water staining to the east of the vessel, outside containment. (See Example B) All flow line spills have been repaired and there’s no free-standing oil or produced water within the delineated areas.

Example B

EXCAVATION & REMEDIATION

Excavation & Testing

AREA – IS: All surface oil leakage and staining was excavated and removed from containment. All soil containing TPH and chlorides exceeding State of New Mexico OCD thresholds was excavated and removed from around the vessel within containment. Certified soil samples were collected and delivered to Cardinal Laboratories in Hobbs, New Mexico. All contaminated soil excavated and removed was hauled to Gandy Marley Disposal.

AREA – OS: All surface oil leakage and staining was excavated and removed from the area outside containment. Initial testing of soil (Sample ID's: P-10-1-OC-1 & P-10-1-OC-2) by Cardinal Laboratories concluded that further excavation was required and additional soil was removed to a depth of 6-12 inches and hauled to disposal. Secondary testing determined that all soil containing TPH and chlorides exceeding State of New Mexico OCD thresholds had been excavated and removed from this area.

Penroc 10 State No. 1 – Remediation & Delineation Report

2023

SOIL TESTING – SECTION 4

On-Site Field Testing

Table 1 On-Site Field-Testing Results			
SAMPLE ID	DATE	TPH (mg/kg)	Chloride (mg/kg)
P-10 – A – IS #1	6-12-2023	>1,100	>1,500
P-10 – A – IS #2	6-12-2023	>1,000	>900
P-10 – A – OS #1	6-12-2023	>1,350	>1,250
P-10 – A – OS #2	6-12-2023	>925	>500
P-10 – A – OS #3	6-25-2023	>550	>500
P-10 – A – OS #3	6-25-2023	<100	<500

Certified Soil Analysis & Testing

Table 2 Confirmation of Certified Analytical Results										
SAMPLE ID	DATE	Depth	TPH C6-C36 (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10- C28 (mg/kg)	GRO + DRO C6- C28 (mg/kg)	EXT DRO C28- C36 (mg/kh)	Chloride (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
P-10-1- IC-1	6/7/23	0-6"	52.9	<10.0	29.9	29.9	23.0	176	<0.300	<0.050
P-10-1- IC-2	6/7/23	0-6"	75.0	<10.0	41.4	41.4	33.6	176	<0.300	<0.050
P-10-1- OC-1	6/7/23	0-6"	518.5	210	130.5	340.5	178	384	14.8	<0.050
P-10-1- OC-2	6/7/23	0-6"	1,004.4	180.1	730.4	910.5	93.9	336	111.0	0.379
P-10-1- OC-3	6/26/23	6-12"	70.0	<10.0	59.3	59.3	10.7	208	<0.300	<0.050
P-10-1- OC-4	6/26/23	6-12"	69.7	<10.0	57.4	57.4	12.3	224	<0.300	<0.050

BACKFILL AND CLEAN UP – SECTION 5

Backfill and Cleanup:

AREA – IS: 10-yards of fresh caliche was delivered and used for backfill and the construction of berms within and around the excavated area.

AREA – OS: 10-yards of native soil/sand was delivered and used for backfill within the area east of the vessel.

The excavated area was backfilled and leveled with new containment berms constructed for spill protection. The area outside containment was backfilled and leveled to represent the natural surroundings; all caliche and native soil was used for backfill. All fences were placed back around containment, and all remaining caliche delivered to the battery was used for berm construction around the vessel.

PENROC 10 STATE #1 PHOTOS

SPILL PHOTO #1 – AREA “IS”: Before Remediation:



SPILL PHOTO #2 – AREA “OS”: Before Remediation:



BACKFILL PHOTO #1; AREA – “IS”:



BACKFILL PHOTO #2; AREA – “OS”:



Penroc 10 State No. 1 – Remediation & Delineation Report**2023****Conclusion:**

- All heavy TPH and chloride contaminants exceeding State of New Mexico requirements established with the requirements of 19.15.29 NMAC, have been remediated.
- The spill area around the vessel within the containment area was remediated, backfilled, and leveled with fresh caliche, with new containment berms.
- All contaminated soil excavated was not stored at the facility and was hauled to Gandy Marley, licensed soil disposal for the State of New Mexico.
- No backfill caliche or gravel was left on site; all material delivered to the spill area was properly used for the project.
- No equipment was left on site; all trucks, backhoes, and loaders were picked up and removed.

Certified Lab Analysis:

Cardinal Laboratories
101 E. Maryland Street
Hobbs, New Mexico 88240
PH: 575-393-2326

Contaminated Soil Disposal

Commercial Landfarm ID: NM-711-1-0020
Gandy Marly, Inc.
P.O. Box 1658
Roswell, NM 88202
PH: 575-347-0434

Trucking (Caliche & Disposal)

Republic Backhoe service, LLC
47 E Dickens Road
Lovington, NM 88260
PH: 575-631-0131

CONFIRMATION OF REMEDIATION COMPLETION

This site has been remediated using the standards and requirements established within the guidelines of the State of New Mexico Environmental Division as pursuant to the Conditional Reinstatement Lease Agreement.

All violations listed within the lease agreement have been remediated utilizing the soil thresholds established within *Table 1 of 19.15.29 NMAC*.

COMM Engineering is a licensed and registered environmental company working in conjunction with Extex Operating, LLC whom is the agreed lease owner of oil and gas production sites listed within the SLO as the agreed company of record.

This remediation record will be kept at the office for a minimum of five (5) years.

Remediation and delineation completed on July 3, 2023.

Inspected, sampled, surveyed, and remediation performed by:



Signature

Kevin L. Robinson, CESCO, ESP-E, FLIR1, NORM CERTIFIED
Field Inspector

ATTACHMENTS:

- (1) Cardinal Labs – Analytical Soil Data
101 E. Marland Street
Hobbs, New Mexico 88240
PH: 575-393-2326
- (2) Topographic Map
- (3) Aerial Proximity Map



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

June 26, 2023

KEVIN ROBINSON
COMM ENGINEERING
1319 W. PINHOOK, SUITE 400
LAFAYETTE, LA 70503

RE: PENROC 10

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received: 06/20/2023
 Reported: 06/26/2023
 Project Name: PENROC 10
 Project Number: NOT GIVEN
 Project Location: N. OF TATUM, NM

Sampling Date: 06/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PENROC 10-1-OC-3-6 (H233179-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.17	109	2.00	2.83	
Toluene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	2.56	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	2.97	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.39	106	6.00	3.28	
Total BTEX	<0.300	0.300	06/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/21/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2023	ND	167	83.7	200	0.0359	
DRO >C10-C28*	59.3	10.0	06/20/2023	ND	176	88.1	200	2.72	
EXT DRO >C28-C36	10.7	10.0	06/20/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	06/20/2023	Sampling Date:	06/19/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	PENROC 10	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	N. OF TATUM, NM		

Sample ID: PENROC 10-2-OC-4-6 (H233179-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.17	109	2.00	2.83	
Toluene*	<0.050	0.050	06/22/2023	ND	2.14	107	2.00	2.56	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	2.97	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.39	106	6.00	3.28	
Total BTEX	<0.300	0.300	06/22/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/21/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/21/2023	ND	172	86.1	200	0.174	
DRO >C10-C28*	57.4	10.0	06/21/2023	ND	174	87.1	200	0.969	
EXT DRO >C28-C36	12.3	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: COMM ENGINEERING		BILL TO				ANALYSIS REQUEST																						
Project Manager: K. ROBINSON		P.O. #:				TPI4 chloride, Blon Day 2																						
Address: 1319 W PINKHOLK St. 400		Company: Same																										
City: Lafayette State: LA Zip: 70503		Attn:																										
Phone #: 405 820-2069 Fax #:		Address:																										
Project #:		City:																										
Project Name: Ponroc 10		State: Zip:																										
Project Location: NORTH of Tatum, NM		Phone #:																										
Sampler Name: K Robinson		Fax #:																										
FOR LAB USE ONLY				MATRIX			PRESERV.			SAMPLING																		
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
H233179		Ponroc 10-1-0C-3-6						X							6-19-23	200P	X											
		Ponroc 10-2-0C-4-6						X							6-19-23	100P	X											

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Relinquished By: K Robinson		Date: 6/20/23	Received By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 1030			All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:				
Delivered By: (Circle One)	Observed Temp. °C 4.5	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: (Initials) YO.	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.9				Thermometer ID #113 Correction Factor -0.6°C	

FORM-000 R 3.3 07/18/22

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



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

June 12, 2023

KEVIN ROBINSON
COMM ENGINEERING
1319 W. PINHOOK, SUITE 400
LAFAYETTE, LA 70503

RE: PENROC STATE 10-1

Enclosed are the results of analyses for samples received by the laboratory on 06/07/23 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	06/07/2023	Sampling Date:	06/06/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	PENROC STATE 10-1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Yvonne Muniz
Project Location:	EXTEX OP. - N. OF TATUM, NM		

Sample ID: PENROC 10 - 1 - IC - 1 (H232877-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEX	<0.300	0.300	06/07/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/07/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	29.9	10.0	06/07/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	23.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 71.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	06/07/2023	Sampling Date:	06/06/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	PENROC STATE 10-1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Yvonne Muniz
Project Location:	EXTEX OP. - N. OF TATUM, NM		

Sample ID: PENROC 10 - 1 - IC - 2 (H232877-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	<0.050	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEX	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/07/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	41.4	10.0	06/07/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	33.6	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	06/07/2023	Sampling Date:	06/06/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	PENROC STATE 10-1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Yvonne Muniz
Project Location:	EXTEX OP. - N. OF TATUM, NM		

Sample ID: PENROC 10 - 1 - OC - 1 (H232877-03)

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	06/07/2023	ND	2.49	124	2.00	19.8	
Toluene*	2.16	0.050	06/07/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	2.34	0.050	06/07/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	10.3	0.150	06/07/2023	ND	7.61	127	6.00	22.5	
Total BTEX	14.8	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 206 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/07/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	210	10.0	06/07/2023	ND	188	93.8	200	2.67	
DRO >C10-C28*	130.5	10.0	06/07/2023	ND	181	90.3	200	2.58	
EXT DRO >C28-C36	178	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

COMM ENGINEERING
 KEVIN ROBINSON
 1319 W. PINHOOK, SUITE 400
 LAFAYETTE LA, 70503
 Fax To:

Received:	06/07/2023	Sampling Date:	06/06/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	PENROC STATE 10-1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Yvonne Muniz
Project Location:	EXTEX OP. - N. OF TATUM, NM		

Sample ID: PENROC 10 - 1 - OC - 2 (H232877-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.379	0.200	06/09/2023	ND	2.49	124	2.00	19.8	
Toluene*	20.0	0.200	06/09/2023	ND	2.57	128	2.00	20.9	
Ethylbenzene*	18.8	0.200	06/09/2023	ND	2.43	122	2.00	20.7	
Total Xylenes*	71.8	0.600	06/09/2023	ND	7.61	127	6.00	22.5	
Total BTEX	111	1.20	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 225 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/07/2023	ND	416	104	400	7.41	

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*	180.1	50.0	06/07/2023	ND	201	101	200	4.36	
DRO >C10-C28*	730.4	50.0	06/07/2023	ND	168	84.2	200	0.635	
EXT DRO >C28-C36	93.9	50.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 199 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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.
QR-04 The RPD for the BS/BSD was outside of historical limits.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>COMM ENGINEER INC</i>			BILL TO			ANALYSIS REQUEST																								
Project Manager: <i>K. Robinson</i>			P.O. #:			<i>TPH, Chloride, Benz, Benz.</i>																								
Address: <i>1319 W. Pinhook St 400</i>			Company: <i>Same</i>																											
City: <i>LA Boffe</i> State: <i>LA</i> Zip: <i>70503</i>			Attn:																											
Phone #: <i>405 820 2069</i> Fax #:			Address:																											
Project #: Project Owner: <i>Exten op.</i>			City:																											
Project Name: <i>Penroc State 10-1</i>			State: Zip:																											
Project Location: <i>N. of Tatum, NM</i>			Phone #:																											
Sampler Name: <i>K. Robinson</i>			Fax #:																											
FOR LAB USE ONLY																														
Lab I.D.		Sample I.D.		G/RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.			SAMPLING																	
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE		TIME													
<i>H232877</i>																														
		<i>1 Penroc 10-1-IC-1</i>						<i>X</i>							<i>6/6/23</i>		<i>200P</i>		<i>X</i>											
		<i>2 Penroc 10-1-IC-2</i>						<i>X</i>							<i>6/6/23</i>		<i>200P</i>		<i>X</i>											
		<i>3 Penroc 10-1-OC-1</i>						<i>X</i>							<i>6/6/23</i>		<i>300P</i>		<i>X</i>											
		<i>4 Penroc 10-1-OC-2</i>						<i>X</i>							<i>6/6/23</i>		<i>300P</i>		<i>X</i>											

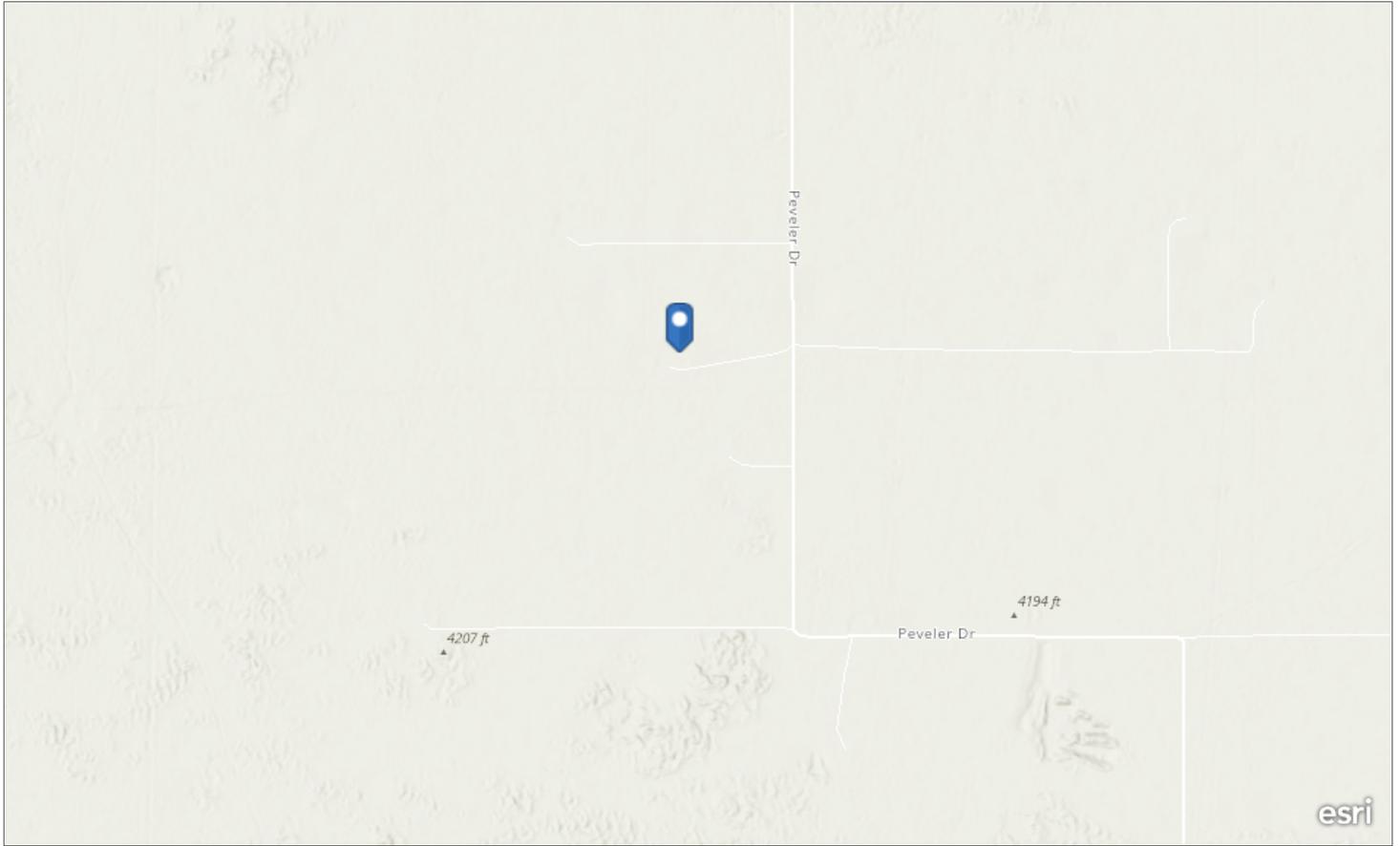
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Karen Robinson</i>		Date: <i>6/7/23</i>		Received By: <i>Yvonne Muniz</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address:	
Time: <i>0800</i>		Time:		Time:		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C <i>3.9</i>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <i>Ym</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>3.3</i>		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	
				Thermometer ID #113 Correction Factor -0.6°C			

FORM-006 R 3.3 07/18/22

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

Topographic



This item is in mature support.

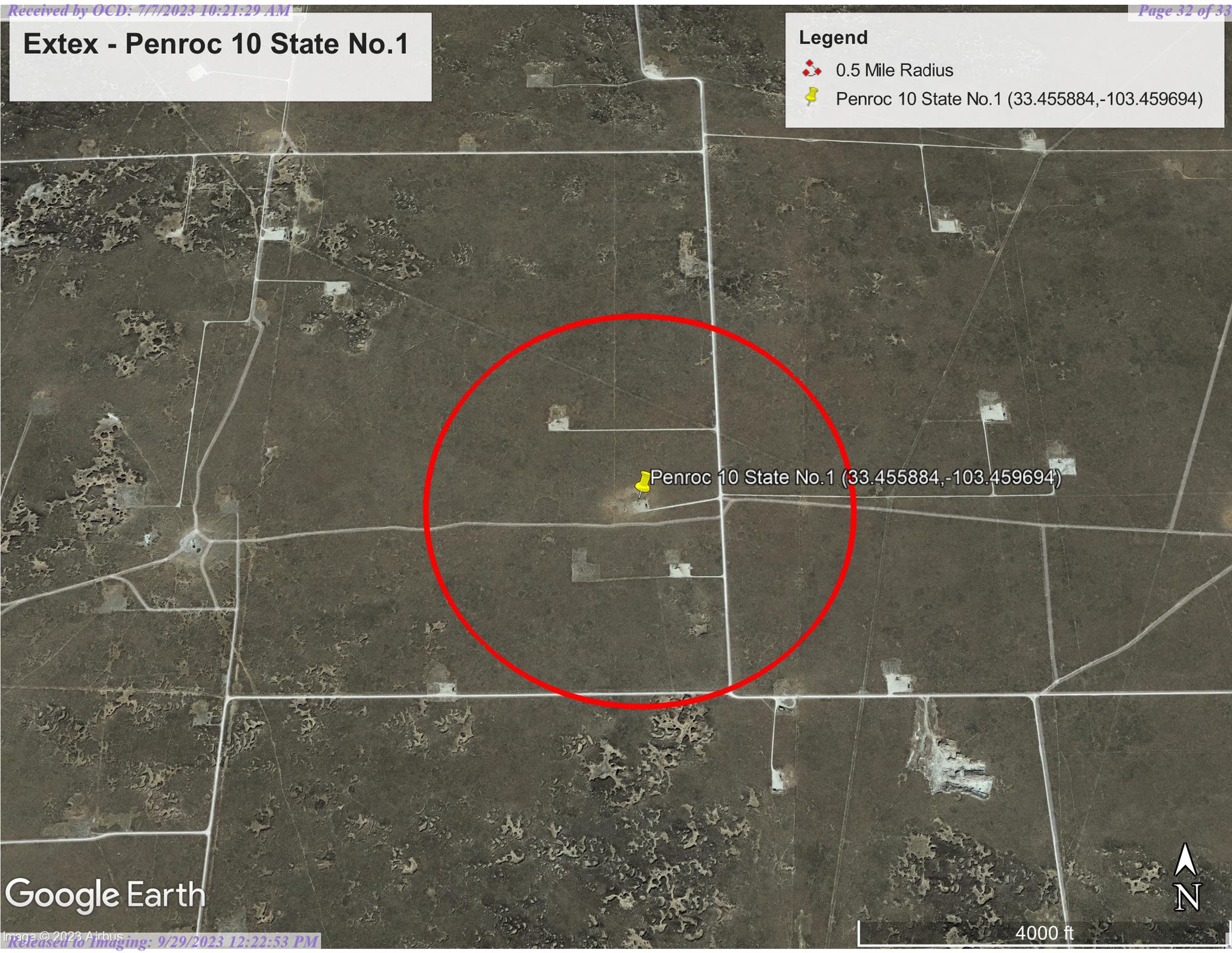
0.3mi

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Extex - Penroc 10 State No.1

Legend

-  0.5 Mile Radius
-  Penroc 10 State No.1 (33.455884,-103.459694)



Google Earth

4000 ft



District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 237183

CONDITIONS

Operator: Extex Operating Company 1616 S. Voss Road Houston, TX 77057	OGRID: 330423
	Action Number: 237183
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/29/2023