



## REMEDiation CLOSURE REPORT

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PREPARED FOR:  
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:  
PIMA ENVIRONMENTAL SERVICES, LLC.

April 8, 2025  
PIMA ENVIRONMENTAL SERVICES, LLC.  
5614 N LOVINGTON HWY, HOBBS, NM 88240



NMOCD District 2  
811 S First St  
Artesia, NM 88210

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

**RE:** Remediation Closure Report  
**LOCATION:** Roche Federal #001  
**WELL API #:** 30-015-25972  
**GPS:** 32.7556763, -103.9067688  
**INCIDENT LOCATION:** O-7-T18S-R31E  
**COUNTY:** Eddy  
**NMOCD REF. NO.** nJMW1301749383

Pima Environmental Services LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Remediation Closure Report for a crude oil release that occurred at the Roche Battery, production site for the Roche Federal #001 (Roche). This incident was assigned Incident ID nJMW1301749383 by the New Mexico Oil Conservation Division (NMOCD).

### RELEASE INFORMATION

**nJMW1301749383:** On January 5, 2013, at the Roche Battery, an oil dump line developed a hole caused by corrosion which led to a 9 barrel spill of oil. Lease operator immediately contacted a vacuum truck and was able to recover 4 barrels of oil. Talon LPE will conduct cleanup plan and remediate the contaminated soil.

It should be noted that the GPS coordinates listed above refer to the location of the Roche Federal #001 wellhead. The GPS coordinates associated with the Roche Battery, and subsequently the point of release and area the release impacted, is 32.759953 latitude and -103.906413 longitude. This area is approximately 1,573 feet north of the #001 wellhead, which locates the spill site in Unit J of section 7, township 18S, range 31E.

### SITE CHARACTERIZATION

The Roche is located approximately five and a half (5.5) miles southeast of Loco Hills, NM. This release area is in Unit J, Section 7, Township 18S, Range 31E, Latitude 32.759953, Longitude -103.906413, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is Eolian and piedmont deposits. Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino-Pajarito complex, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class is well-drained. There is a low potential for karst geology to be present around the Roche (Figure 3) with the nearest medium karst zone being 1.94 miles to the southwest. Reference Figure 2 for a Topographic Map.

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is greater than 55 feet below grade surface (bgs). This information is provided by CP-02042-POD1 which is located approximately 109 feet northwest of the release area and was drilled on February 5, 2025. According to the United States Geological Survey, USGS 324405103565801 18S.30E.22.2220 puts the nearest groundwater at 226 feet bgs, with the last gauge being conducted in 1991. This well resides approximately 3.07 miles southwest of the Roche release area. The closest surface water body is a Man-Made pond located approximately 3.17 miles to the northwest of this location. See Appendix A for referenced Water Surveys and Water-Related Maps.

According to the U.S. Fish and Wildlife Service National Wetlands Inventory, a Riverine lies approximately 1.15 miles to the southwest of the Roche release area. According to a FEMA search for flood hazard information, the Roche is in



## Zone X – Area of Minimal Flood Hazard.

Closure criteria for releases at the Roche Battery and Roche Federal #001 pad surfaces are classified under the 51-100-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. The regulatory limits are as follows: Chlorides should be less than 10,000 mg/kg, TPH (GRO+DRO+MRO) should be less than 2,500 mg/kg, GRO+DRO should be less than 1,000 mg/kg, BTEX should be less than 50 mg/kg, and Benzene should be less than 10 mg/kg.

## SITE ASSESSMENT ACTIVITIES

On February 3, 2021, Pima personnel mobilized to the release site to perform an assessment of the affected area. Discrete soil samples were collected from four (4) different sample points within the release area. These samples were collected from depths of surface, 1', 2', and 3' bgs. A total of sixteen (16) samples were collected, put on ice, prepared for delivery, then delivered to Cardinal Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. An Original Site Map can be found in Figure 4.

On February 8, 2021, the analytical report was received and verified vertical delineation for all but one of the sample points. Sample point S2 was not vertically delineated. Horizontal delineation was not performed at this time. Background samples were also not collected at this time. All sample results can be referenced in the Data Tables in Figure 5.

On July 22, 2024, Pima returned to the release site to complete vertical and horizontal delineation of the release area. Using a hand auger, a sample was collected from the S2 sample point from a depth of 4' bgs. Then subsamples were collected from four (4) different sample points around the edges of the release area for horizontal delineation. These subsamples were collected at 1' increments from each sample point to 4' bgs then combined to create composite samples. One sample was collected from the pasture across the lease road to the west of the release area from a depth of 1' bgs. A total of six (6) samples were put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1. A New Site Map can be found in Figure 6.

On July 31, 2024, the analytical report was received and verified that vertical and horizontal delineation had been achieved (Figure 5). Complete Laboratory Reports can be found in Appendix E.

## REMEDIATION ACTIVITIES

On February 5, 2025, Devon contracted H&R Enterprises to install a borehole at the battery site to obtain new groundwater data. A borehole was installed at 32 degrees, 45 minutes, 36.9 seconds N latitude, and -103 degrees, 54 minutes, 23.8 seconds W longitude in section 7, township 18S, range 31E in Eddy County, New Mexico. The borehole was drilled with a truck-mounted air rotary drill to a depth of 55 feet bgs. A temporary well casing was installed, and the borehole was left open for no less than 72 hours. Photographic Documentation can be found in Appendix D.

On February 10, 2025, a technician returned to the borehole site to gauge the bore for the presence of water. The gauging event verified the hole to be dry, no water or water bearing soil was encountered. The hole was then plugged according to the approved-plugging plan, and the surface was restored to its previous state.

On February 27, 2025, the NMOCD denied the submitted closure request citing:

"To whom it may concern (c/o James Raley for DEVON ENERGY PRODUCTION COMPANY, LP), The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nJMW1301749383, for the following reasons:

- **Remediation closure denied.**
- **Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.**
- **It appears that a sampling notification was submitted on 2/18/2025 to back date for sampling conducted in 2021. There was no notification for samples collected in 2024.**
- **The samples collected are representative of delineation samples per 19.15.29.11 NMAC and not confirmation closure samples per 19.15.29.12 NMAC.**



- **Without a variance request submitted, the submitted samples are considered, delineation samples and not confirmation closure samples. Confirmation closure samples maybe collected every 200 square feet from the surface of the release area. A sampling notification must be submitted prior to the collection of confirmation samples.**
- **Submit a report via the OCD permitting portal by April 28, 2025.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 432857. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141."

To correct the issue for lack of confirmation sampling and lack of a sampling notification, Pima reached out to the NMOCD for guidance on how to proceed. This email correspondence can be found in Appendix C. It was recommended to submit a sampling notification and collect confirmation samples from the surface.

On March 4, 2025, after Devon submitted a 48-hour notification for the confirmation sampling event (Appendix C), Pima personnel returned to the area to collect the required samples. Using a hand auger, forty (40) subsamples were collected from eight (8) different sample points within and around the edges of the release area. These subsamples were collected from the surface then combined to create composite samples. A total of eight (8) samples were put on ice, prepared for delivery, then delivered to Cardinal Laboratories for official analysis of all constituents listed in Table 1. A Confirmation Sample Map can be found in Figure 7.

On March 11, 2025, the analytical report was received and verified all but one of the sample results (Figure 5) for the confirmation samples collected are under the regulatory limits as per the 51-100-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Sample point 1-Surface showed results having elevated levels of TPH. Complete Laboratory Reports can be found in Appendix E.

On March 27, 2025, the Devon construction department and Pima mobilized personnel and equipment to the site to begin remediating the 1-Surface sample point area. A 200 square foot area was marked off and excavated to a depth of 6" bgs utilizing crew members and hand tools. Approximately 4 cubic yards of soil was removed from this area and disposed of at R360, an NMOCD-approved disposal facility. Clean, like material was brought back to the site and stockpiled for backfilling.

On March 28, 2025, after Devon submitted a 48-hour notification for the confirmation sampling event of the excavated area. Five (5) subsamples were collected from the base of the excavation to form a composite sample. Five (5) subsamples were collected from the walls of the excavation to form a second composite sample. A total of 2 samples were put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

On April 1, 2025, the analytical report was received and verified all sample results (Figure 5) for the confirmation samples collected are under the regulatory limits as per the 51-100-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Complete Laboratory Reports can be found in Appendix E. A corresponding Confirmation Sample Map-2 can be referenced in Figure 8.

## CLOSURE REQUEST

Based on the laboratory results, and the installation of CP-02042-POD1, the contamination levels represented in all sample points are under the regulatory limits according to the closure criteria outlined in the 51-100-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Devon requests that this incident, nJMW1301749383, be closed. Devon is also aware of and understands that reclamation of this pad area once it is no longer needed for production or subsequent drilling operations will require an approved reclamation plan report addressing a minimum of four feet of non-waste containing earthen material. Followed by a revegetation plan report once the site has reached the required vegetative status.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or [jim.ralej@dvn.com](mailto:jim.ralej@dvn.com).

Pima Environmental – Tom Bynum at 575-964-7740 or [tom@pimaoil.com](mailto:tom@pimaoil.com).



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Roche Federal #001 | nJMW1301749383

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## ATTACHMENTS

### FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Original Site Map
- 5- Data Tables
- 6- New Site Map
- 7- Confirmation Sample Map
- 8- Confirmation Sample Map-2

### APPENDICES:

- Appendix A – Water Surveys & Water-Related Maps
- Appendix B – Soil Survey & Geological Data
- Appendix C – 48-Hour Notifications & NMOCD Correspondence
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



## FIGURES

- 1- Location Map
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DEVON ENERGY PRODUCTION, LP.

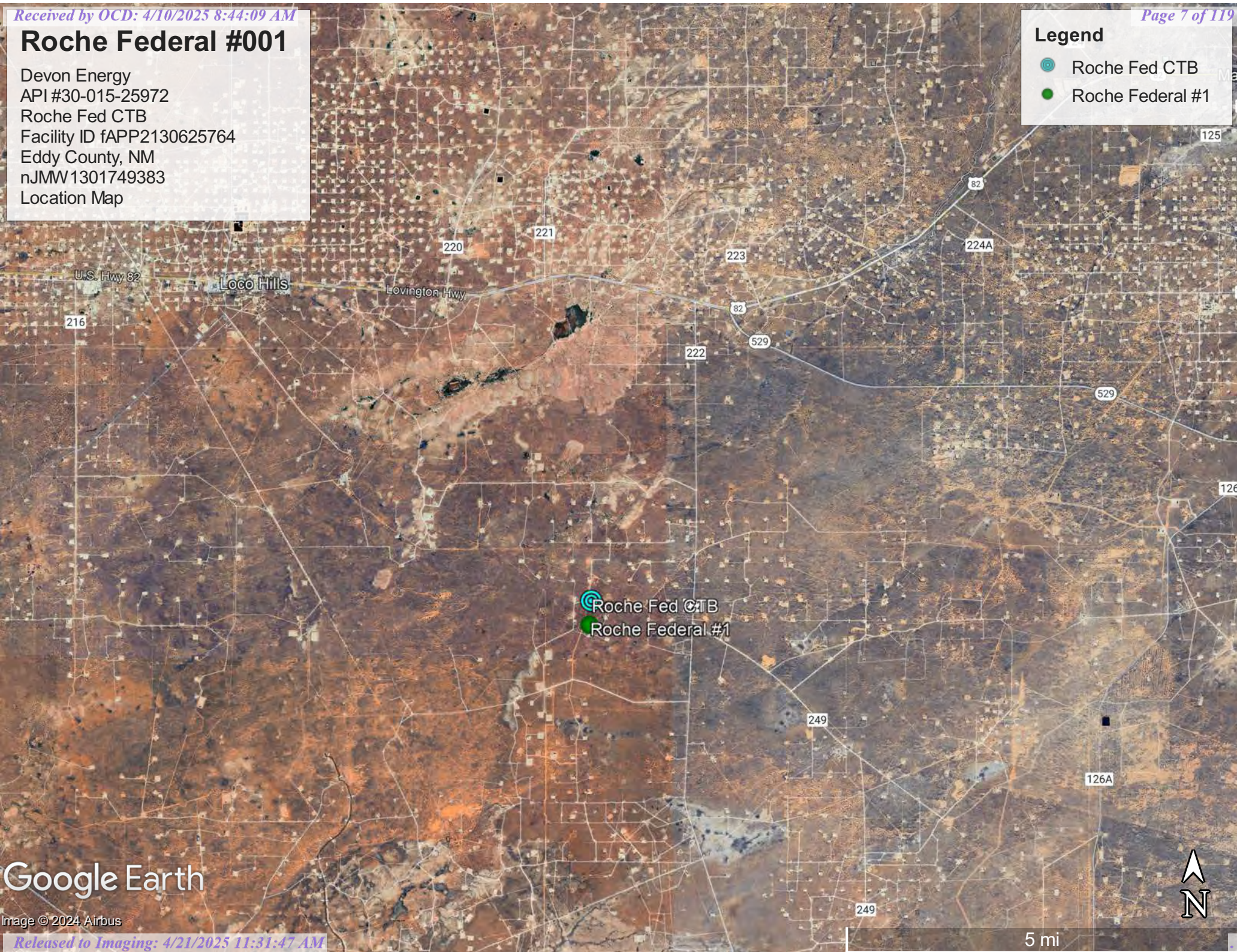


# Roche Federal #001

Devon Energy  
API #30-015-25972  
Roche Fed CTB  
Facility ID fAPP2130625764  
Eddy County, NM  
nJMW1301749383  
Location Map

## Legend

- Roche Fed CTB
- Roche Federal #1



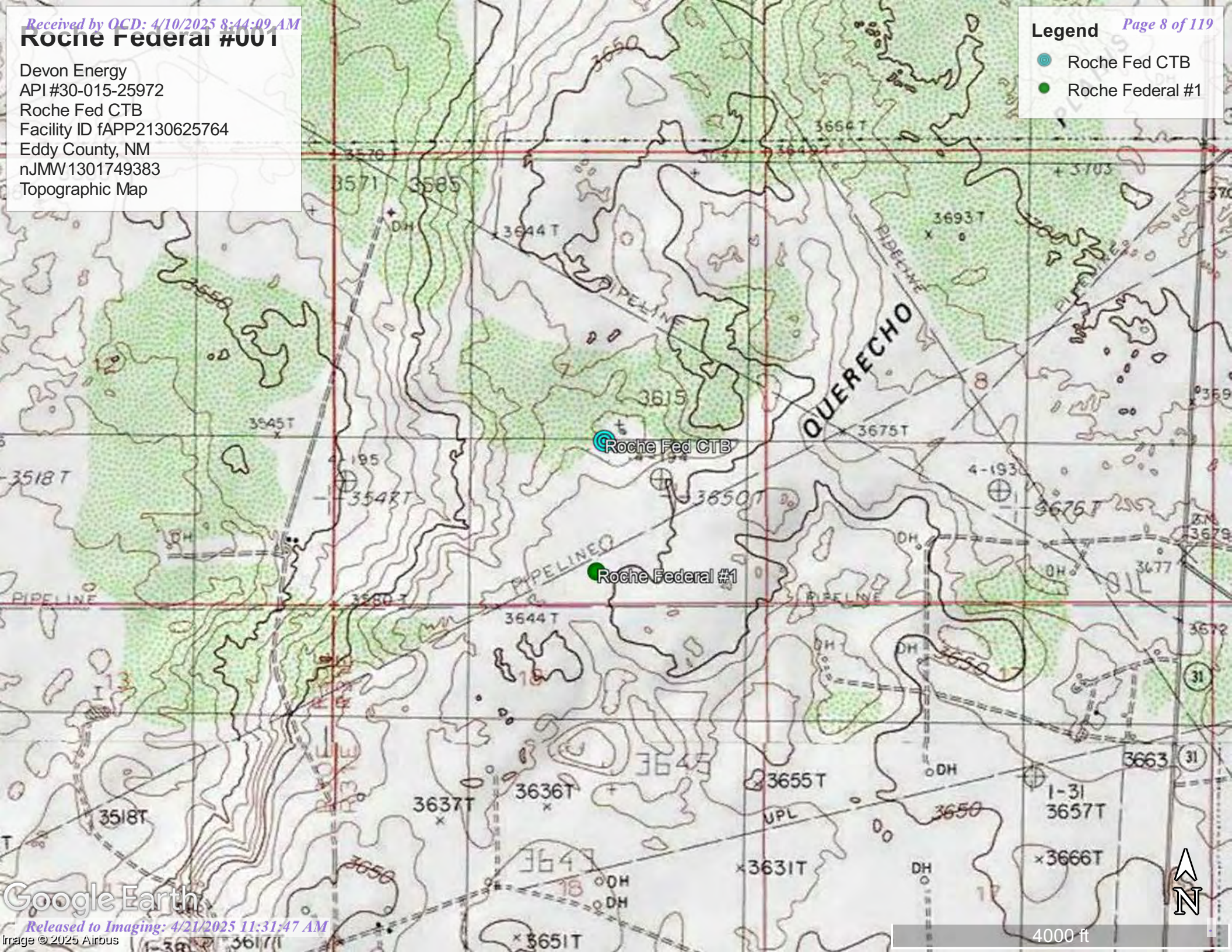
Google Earth

Image © 2024 Airbus



### Legend

- Roche Fed CTB
- Roche Federal #1








# Roche Federal #001

Devon Energy  
API #30-015-25972  
Roche Fed CTB  
Facility ID fAPP2130625764  
Eddy County, NM  
nJMW1301749383  
Karst Map

## Legend

-  High Karst
-  Low Karst
-  Medium Karst

Roche Fed CTB

Roche Federal #1

222

249

249



2 mi



Google Earth



# Roche Fed #1 Battery

Devon Energy  
API # 30-015-25972  
Eddy County, NM  
Original Site Map

## Legend

-  Roche Battery
-  Samples



Google Earth

100 ft



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
Devon Energy - Roche Federal #001 - nJMW1301749383								
Date 2/3/21		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
S1-0-6"	6"	ND	ND	ND	52.5	34.7	87.2	192
S1-1'	1'	ND	ND	ND	388	212	600	112
S1-2'	2'	ND	ND	ND	123	84.8	207.8	64
S1-3'	3'	ND	ND	ND	18	ND	18	48
S2-0-6"	6"	ND	ND	ND	ND	ND	ND	32
S2-1'	1'	ND	0.051	ND	147	131	278	32
S2-2'	2'	ND	ND	ND	105	114	219	ND
S2-3'	3'	ND	ND	ND	141	165	306	ND
S3-0-6"	6"	ND	ND	ND	42.7	31.9	74.6	ND
S3-1'	1'	ND	ND	ND	16.7	ND	16.7	ND
S3-2'	2'	ND	ND	ND	31.5	14.3	45.8	ND
S3-3'	3'	ND	ND	ND	49	31.2	80.2	ND
S4-0-6"	6"	ND	ND	ND	511	220	731	ND
S4-1'	1'	ND	ND	ND	315	109	424	ND
S4-2'	2'	ND	ND	ND	17.1	ND	17.1	ND
S4-3'	3'	ND	ND	ND	ND	ND	ND	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
Devon Energy - Roche Federal #001 - nJMW1301749383								
Date 7/22/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
S2-4'	4'	ND	ND	ND	94.4	ND	94.4	ND
SW1 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW2 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW3 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW4 (0-4')	0-4' Comp	ND	ND	ND	ND	ND	0	ND
BG1-1'	1'	ND	ND	ND	ND	ND	0	ND



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
Devon Energy - Roche Federal #001 - nJMW1301749383								
Date 3/4/25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
1-Surface	0'	ND	ND	ND	5990	1960	7950	32
2-Surface	0'	ND	ND	ND	ND	ND	ND	80
3-Surface	0'	ND	ND	ND	ND	ND	ND	32
4-Surface	0'	ND	ND	ND	ND	ND	ND	64
W1-Surface	0'	ND	ND	ND	ND	ND	ND	32
W2-Surface	0'	ND	ND	ND	ND	ND	ND	ND
W3-Surface	0'	ND	ND	ND	ND	ND	ND	16
W4-Surface	0'	ND	ND	ND	ND	ND	ND	400

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
Devon Energy - Roche Federal #001 - nJMW1301749383								
Date 3/28/25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
1-6"	6"	ND	ND	ND	ND	ND	ND	ND
W1-6"	6"	ND	ND	ND	ND	ND	ND	ND



# Roche Federal #001

Devon Energy  
API #30-015-25972  
Roche Fed CTB  
Facility ID fAPP2130625764  
Eddy County, NM  
nJMW1301749383  
New Site Map

## Legend

- Background sample
- Horizontal delineation samples
- Release area - 730 sqft
- Vertical delineation samples

32.760110, -103.906600

CG1

SW2

CSW3

CS4

CS3

CS1

CS2

SW1

CSW4

Roche Fed CTB



2000 ft

Google Earth

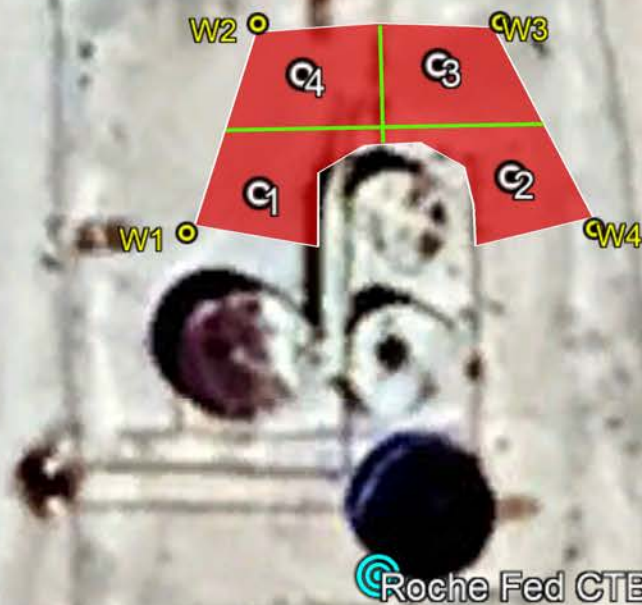


# Roche Federal #001

Devon Energy  
API # 30-015-25972  
Roche Fed CTB  
Facility ID fAPP2130625764  
Eddy County, NM  
nJMW1301749383  
Confirmation Sample Map

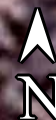
## Legend

- Composite surface samples
- Composite surface samples
- Release area - 730 sqft



32.7759728, -103.906469

Google Earth






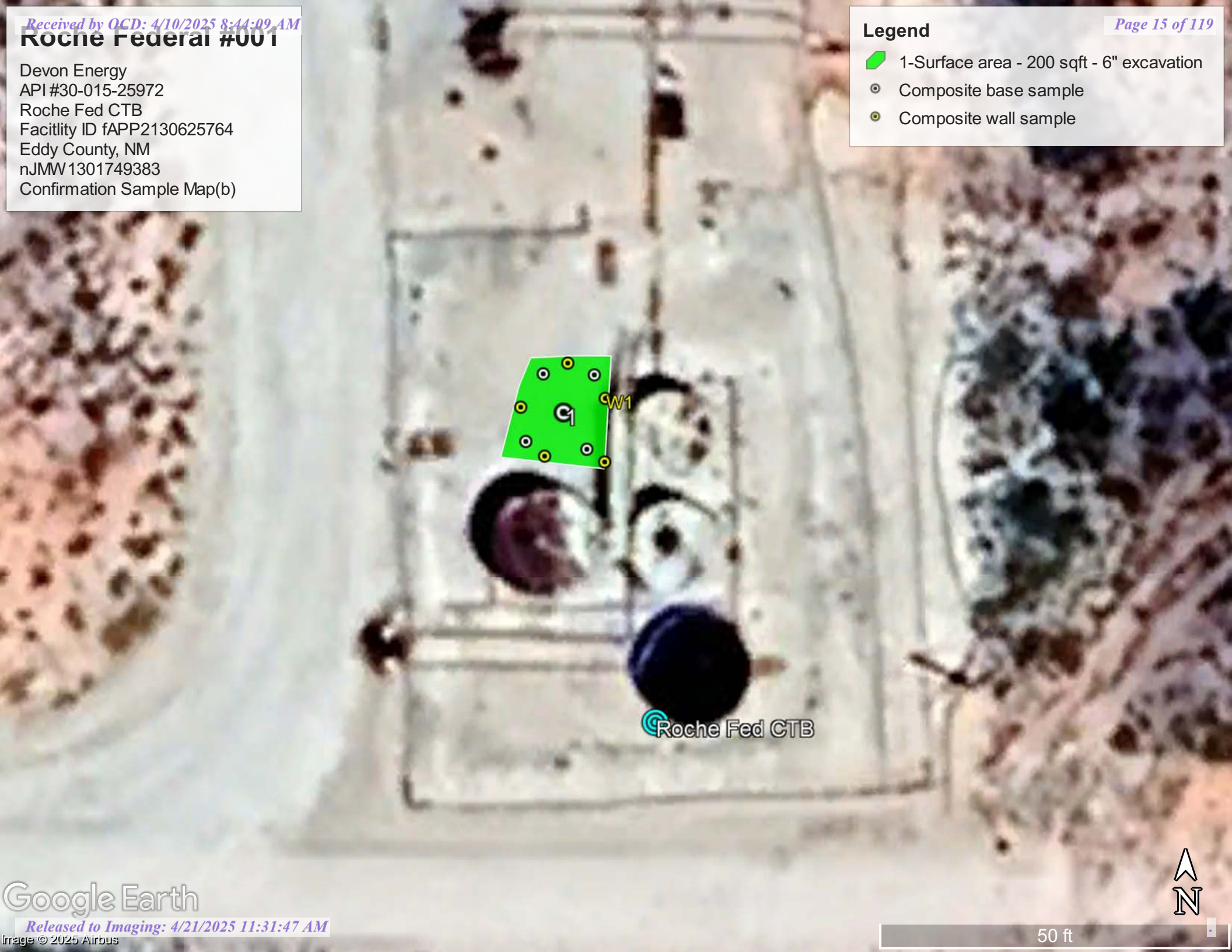


**Roche Federal #001**

Devon Energy  
API #30-015-25972  
Roche Fed CTB  
Facility ID fAPP2130625764  
Eddy County, NM  
nJMW1301749383  
Confirmation Sample Map(b)

**Legend**

-  1-Surface area - 200 sqft - 6" excavation
-  Composite base sample
-  Composite wall sample



# APPENDIX A

Water Surveys

Water-Related Maps



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

Roche Federal #001 | nJMW1301749383

DEVON ENERGY PRODUCTION, LP.





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). CP-02042			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM      ZIP 88220		
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LATITUDE		32	45		36.9    N	
LONGITUDE		103	54	23.8    W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S7 T18s R31e								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 2-5-25	DRILLING ENDED 2-5-25	DEPTH OF COMPLETED WELL (FT) 55'		BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 2-10-25		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD    ADDITIVES – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	55'	5'	No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0'	15'	15'	Sand	Y    ✓ N	
	15'	20'	5'	Sandy Caliche	Y    ✓ N	
	20'	30'	10'	Sandy Clay	Y    ✓ N	
	30'	55'	25'	Red Clay	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER – SPECIFY: DTGW Bore					TOTAL ESTIMATED WELL YIELD (gpm): 0.00
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 2-10-25. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">               SIGNATURE OF DRILLER / PRINT SIGNEE NAME           </div> <div style="text-align: center;">             James Hawley              DATE           </div> </div>					

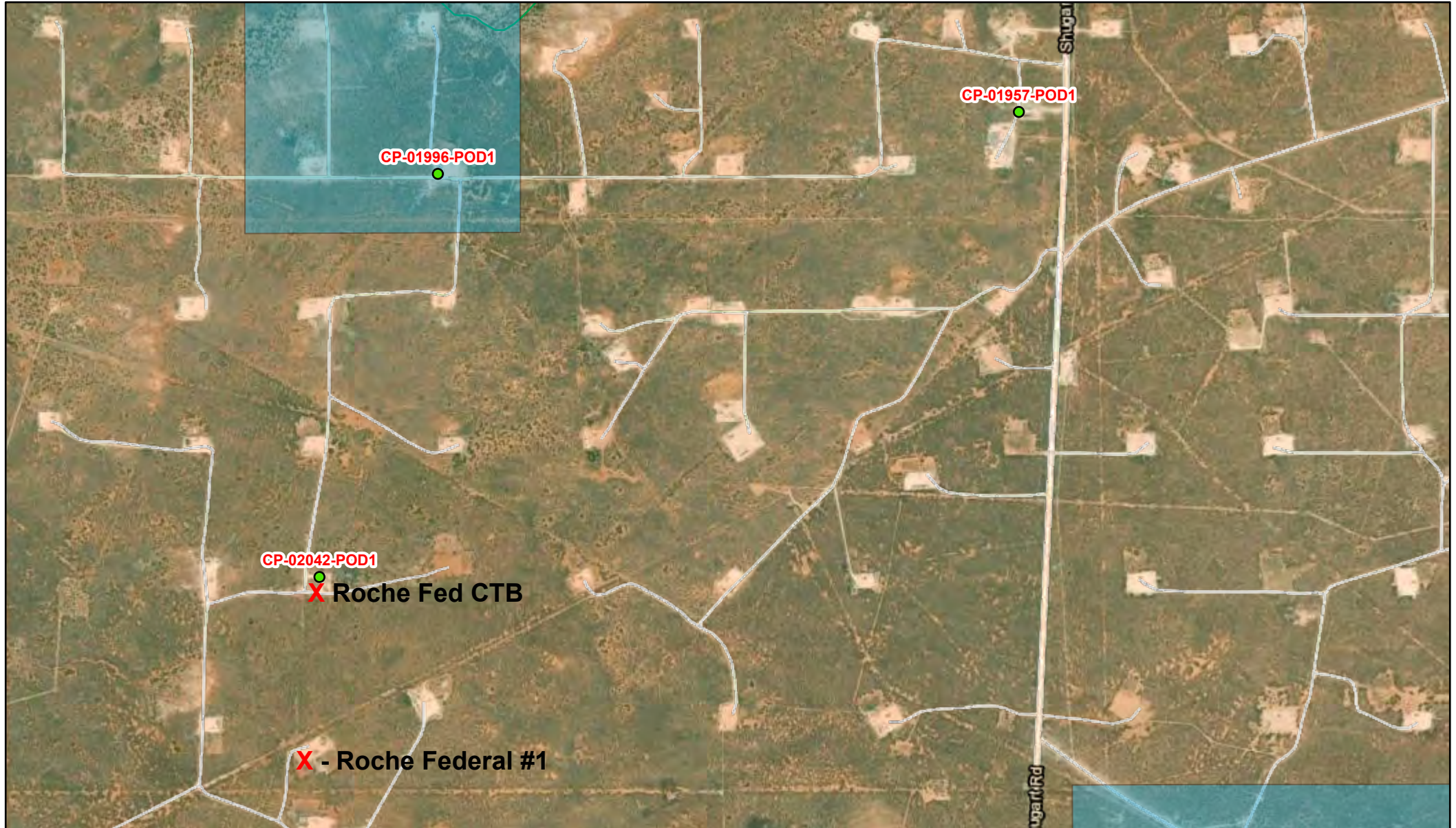
FOR OSE INTERNAL USE  
 FILE NO. \_\_\_\_\_ POD NO. \_\_\_\_\_  
 LOCATION \_\_\_\_\_

WR-20 WELL RECORD & LOG (Version 09/22/2022)  
 TRN NO. \_\_\_\_\_  
 WELL TAG ID NO. \_\_\_\_\_

PAGE 2 OF 2



# OSE POD Location Map



1/24/2025, 8:30:51 AM

GIS WATERS PODs

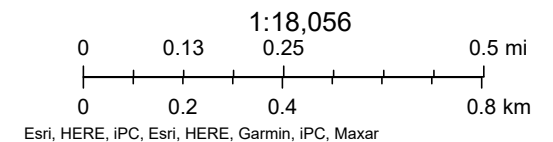
● Pending

□ OSE District Boundary

New Mexico State Trust Lands NHD Flowlines

■ Both Estates

— Stream River





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">RA 11590 POD1</a>		RA	ED	2	1	3	32	17S	31E	603315	3628545	3921	158		
<a href="#">RA 11590 POD4</a>		RA	ED	4	1	1	32	17S	31E	603308	3629253	4612	55		
<a href="#">RA 11590 POD3</a>		RA	ED	3	1	2	32	17S	31E	603932	3629260	4779	60		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

**Record Count:** 3

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 602409.11

**Northing (Y):** 3624729.78

**Radius:** 5000

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

7/22/24 10:48 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER





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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

 Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

site\_no list =

- 324405103565801

Minimum number of levels = 1

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

### USGS 324405103565801 18S.30E.22.2220

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°44'05", Longitude 103°56'58" NAD27

Land-surface elevation 3,414 feet above NAVD88

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

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

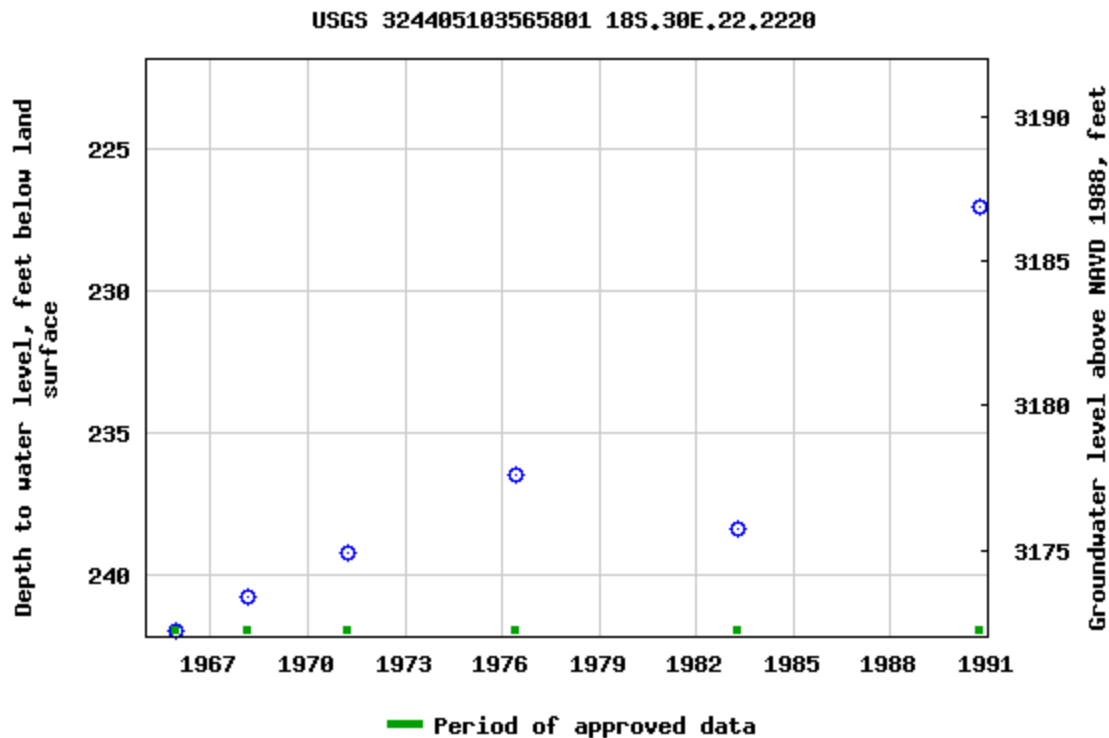
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[Accessibility](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

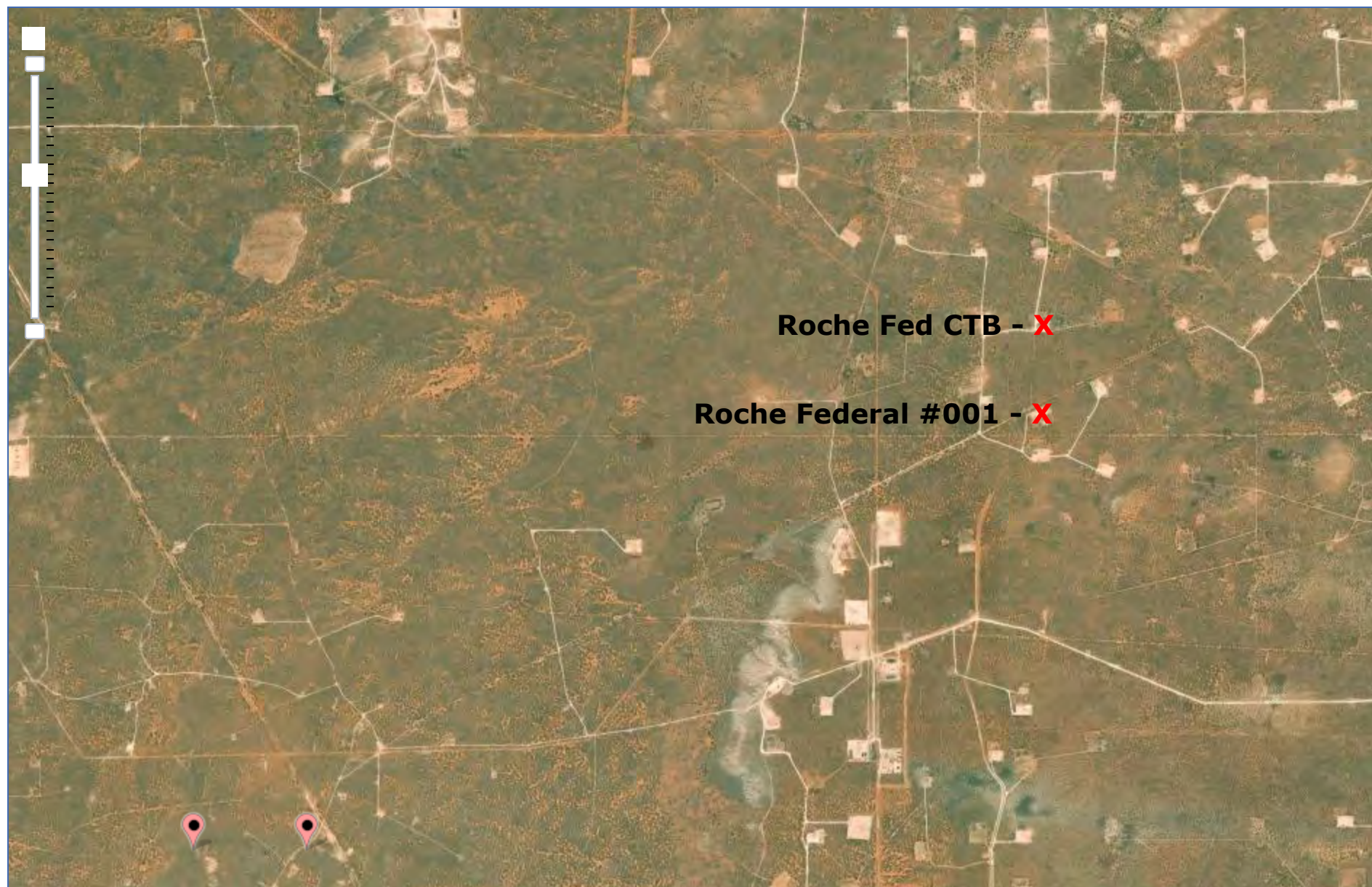
Page Last Modified: 2024-07-22 12:50:50 EDT

0.57 0.51 nadww02





## National Water Information System: Mapper



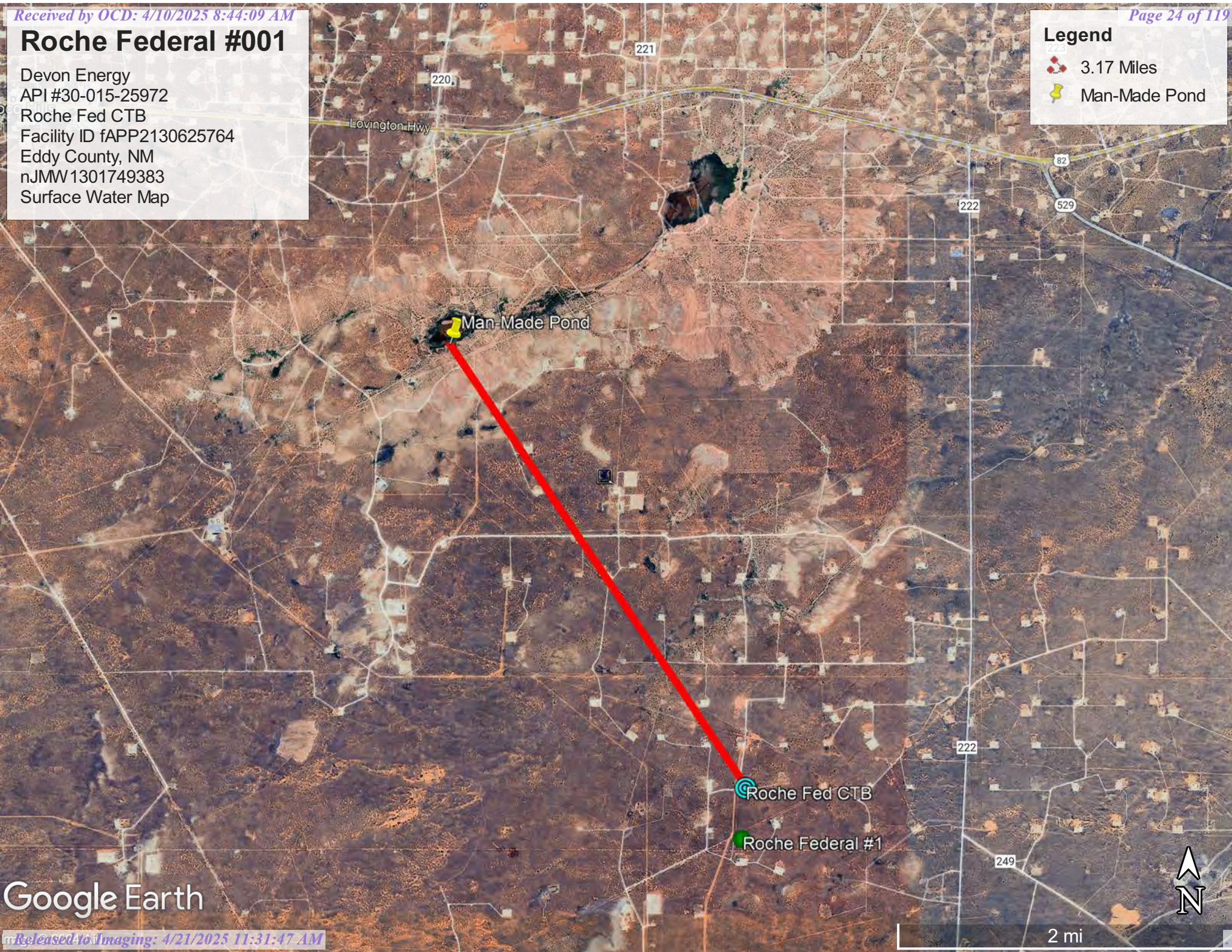


# Roche Federal #001

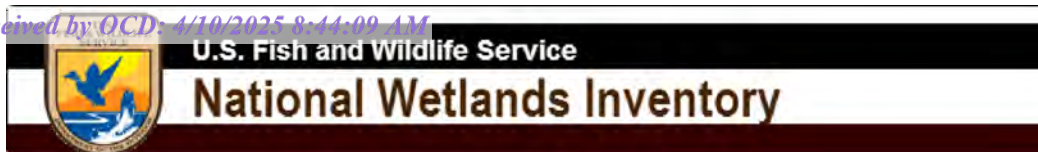
Devon Energy  
API #30-015-25972  
Roche Fed CTB  
Facility ID fAPP2130625764  
Eddy County, NM  
nJMW1301749383  
Surface Water Map

## Legend

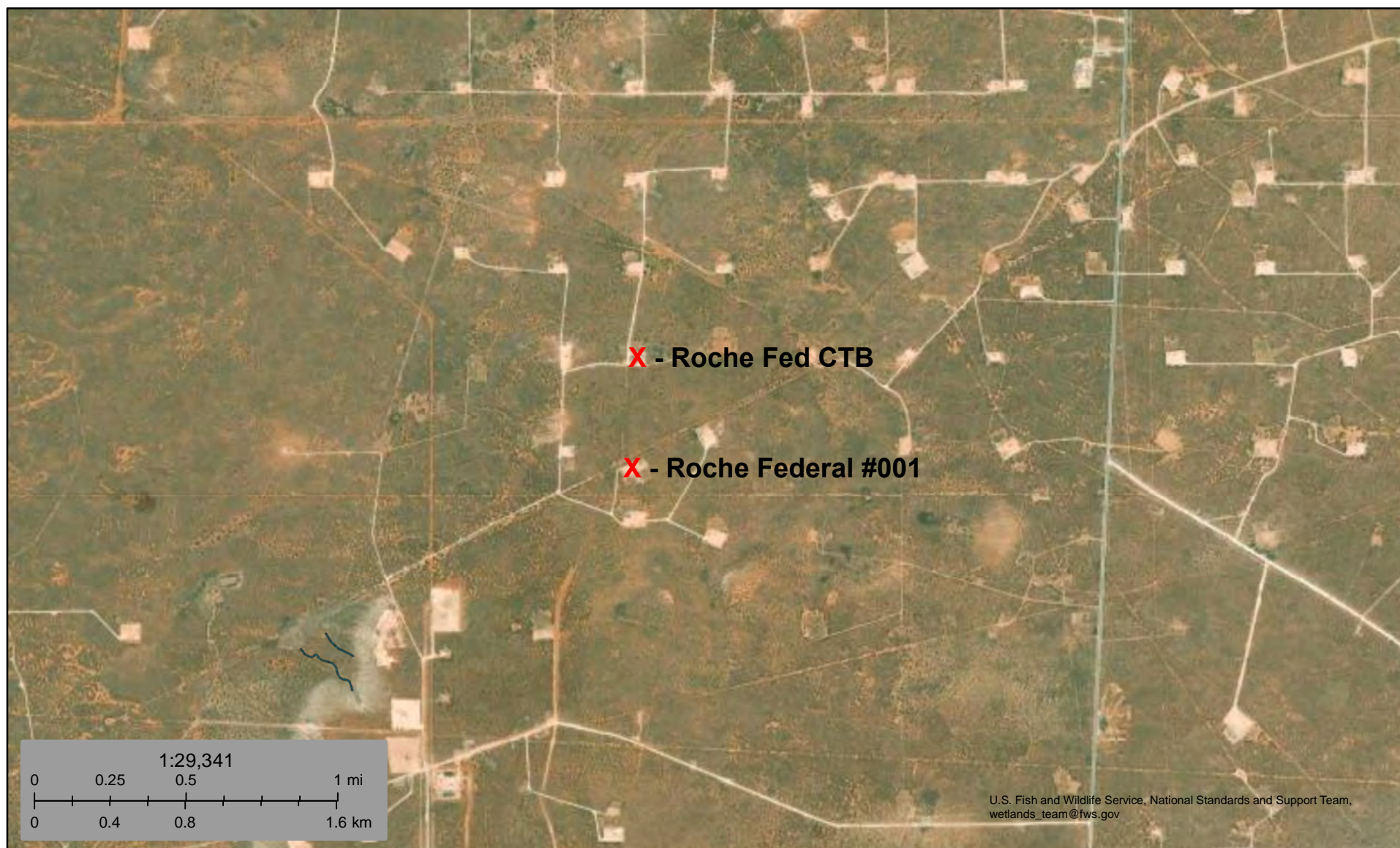
- 3.17 Miles
- Man-Made Pond







## Wetlands Map



July 22, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



# National Flood Hazard Layer FIRMMette



103°54'42"W 32°45'51"N



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

1:6,000

103°54'4"W 32°45'21"N

Released to Imaging: 4/21/2025 11:31:47 AM

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 Cross Sections with 1% Annual Chance Water Surface Elevation
		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
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/22/2024 at 1:04 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 B

Soil Survey

Soil Map

Geologic Unit Map



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

Roche Federal #001 | nJMW1301749383

DEVON ENERGY PRODUCTION, LP.

Map Unit Description: Berino-Pajarito complex, 0 to 3 percent slopes, eroded---Eddy Area,  
New Mexico

---

## Eddy Area, New Mexico

### BP—Berino-Pajarito complex, 0 to 3 percent slopes, eroded

#### Map Unit Setting

*National map unit symbol:* 1w45

*Elevation:* 2,450 to 4,200 feet

*Mean annual precipitation:* 5 to 15 inches

*Mean annual air temperature:* 57 to 70 degrees F

*Frost-free period:* 190 to 250 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Berino and similar soils:* 46 percent

*Pajarito and similar soils:* 45 percent

*Minor components:* 9 percent

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

#### Description of Berino

##### Setting

*Landform:* Plains, fan piedmonts

*Landform position (three-dimensional):* Riser

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 17 inches:* fine sand

*H2 - 17 to 50 inches:* sandy loam

*H3 - 50 to 60 inches:* loamy sand

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Moderate (about 7.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4e



Map Unit Description: Berino-Pajarito complex, 0 to 3 percent slopes, eroded---Eddy Area,  
New Mexico

---

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

## Description of Pajarito

### Setting

*Landform: Plains, interdunes, dunes*  
*Landform position (three-dimensional): Side slope*  
*Down-slope shape: Convex, linear*  
*Across-slope shape: Linear, convex*  
*Parent material: Mixed alluvium and/or eolian sands*

### Typical profile

*H1 - 0 to 9 inches: loamy fine sand*  
*H2 - 9 to 36 inches: fine sandy loam*  
*H3 - 36 to 72 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: Very low*  
*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: 15 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0*  
*mmhos/cm)*  
*Sodium adsorption ratio, maximum: 1.0*  
*Available water supply, 0 to 60 inches: Moderate (about 8.0*  
*inches)*

### Interpretive groups

*Land capability classification (irrigated): 2e*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: A*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

## Minor Components

### Kermit

*Percent of map unit: 3 percent*  
*Ecological site: R070BD005NM - Deep Sand*  
*Hydric soil rating: No*

### Dune land

*Percent of map unit: 3 percent*  
*Hydric soil rating: No*

Map Unit Description: Berino-Pajarito complex, 0 to 3 percent slopes, eroded---Eddy Area,  
New Mexico

---

**Wink**

*Percent of map unit:* 3 percent

*Ecological site:* R070BD003NM - Loamy Sand

*Hydric soil rating:* No

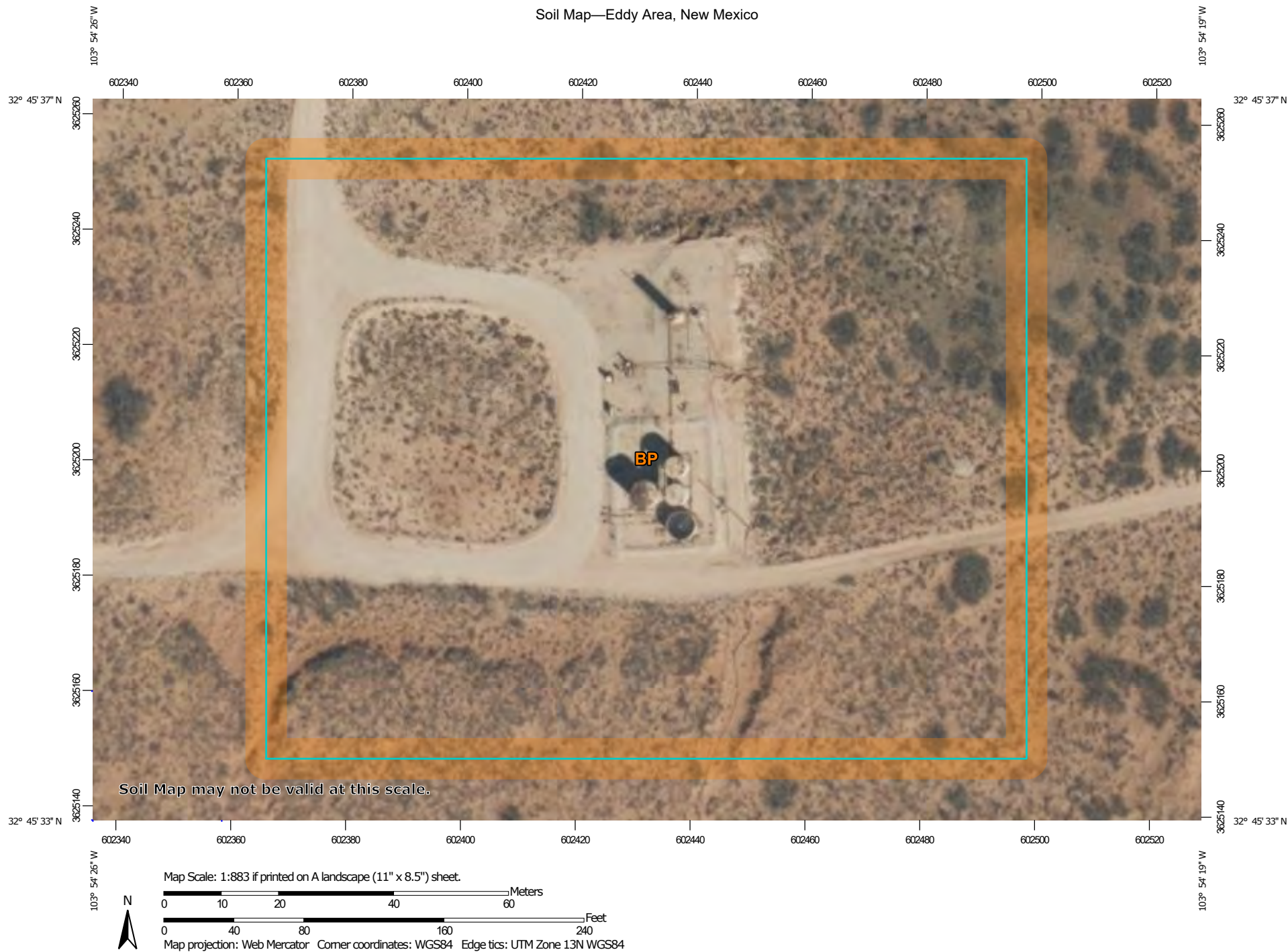
**Data Source Information**

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023



Soil Map—Eddy Area, New Mexico



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

7/22/2024  
Page 1 of 3

## Soil Map—Eddy Area, New Mexico

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)

## Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

## Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

## Water Features



Streams and Canals

## Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

## Background



Aerial Photography

## MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

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

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

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





Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BP	Berino-Pajarito complex, 0 to 3 percent slopes, eroded	3.4	100.0%
Totals for Area of Interest		3.4	100.0%

# Roche Federal #001

Devon Energy  
API #30-015-25972  
Roche Fed CTB  
Facility ID fAPP2130625764  
Eddy County, NM  
nJMW1301749383  
Geologic Unit Map

## Legend

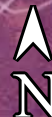
-  Eolian and piedmont deposits
-  Quartermaster and Rustler Formations

Roche Fed CTB  
Roche Federal #1

222

222

249



3 mi

Google Earth



## APPENDIX C

48-Hour Notifications

NMOCD Correspondence



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

Roche Federal #001 | nJMW1301749383

DEVON ENERGY PRODUCTION, LP.

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 437153

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 437153
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nJMW1301749383
Incident Name	NJMW1301749383 2013 MINOR AIA OS @ 30-015-25972
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-25972] ROCHE FEDERAL #001

Location of Release Source	
Site Name	Unavailable.
Date Release Discovered	01/05/2013
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	730
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/04/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Sampler - Marisa Loya (575) 416-0639
Please provide any information necessary for navigation to sampling site	Battery Location - 32.7759278, -103.906469



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

CONDITIONS

Action 437153

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 437153
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/28/2025

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 445861

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445861
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nJMW1301749383
Incident Name	NJMW1301749383 2013 MINOR AIA OS @ 30-015-25972
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-25972] ROCHE FEDERAL #001

Location of Release Source	
Site Name	Unavailable.
Date Release Discovered	01/05/2013
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2025
Time sampling will commence	01:30 PM
Please provide any information necessary for observers to contact samplers	Sampler - Marisa Loya (575) 416-0639
Please provide any information necessary for navigation to sampling site	Battery Location - 32.7759278, -103.906469



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

CONDITIONS

Action 445861

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445861
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/26/2025



Tom Pima Oil &lt;tom@pimaoil.com&gt;

**Re: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 432857**

1 message

Tom Pima Oil &lt;tom@pimaoil.com&gt;

Thu, Feb 27, 2025 at 6:28 PM

To: "Maxwell, Ashley, EMNRD" &lt;Ashley.Maxwell@emnrd.nm.gov&gt;

Cc: "Raley, Jim" &lt;jim.rale@dm.com&gt;, Delrae Pima Oil &lt;delrae@pimaoil.com&gt;, Gio PimaOil &lt;gio@pimaoil.com&gt;, "Enviro, OCD, EMNRD" &lt;OCD.Enviro@emnrd.nm.gov&gt;

Ashley,

Received, thank you, we will submit the notification and complete surface confirmation sampling for closure.

Tom Bynum

580-748-1613

575-964-7740 Office

Inline image

Pima Environmental Services, LLC.

On Thu, Feb 27, 2025 at 6:07 PM Maxwell, Ashley, EMNRD &lt;Ashley.Maxwell@emnrd.nm.gov&gt; wrote:

Tom,

Since there was not sampling notification made for the samples collected in 2021 and 2024, I believe the best way to address this, is to consider those samples delineation samples. I would move forward with making the sampling notification to collect the surface samples for confirmation sample closure.

Let me know if you have any additional questions.

**Ashley Maxwell** • Environmental Specialist

Environmental Bureau Projects Group

EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110

505.635.5000 | [Ashley.Maxwell@emnrd.nm.gov](mailto:Ashley.Maxwell@emnrd.nm.gov)<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under "2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS".

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.



**From:** Tom Pima Oil <tom@pimaoil.com>  
**Sent:** Thursday, February 27, 2025 2:56 PM  
**To:** Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>  
**Cc:** Raley, Jim <jim.raley@dvn.com>; Delrae Pima Oil <delrae@pimaoil.com>; Gio PimaOil <gio@pimaoil.com>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Subject:** Re: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 432857

Ashley,

For the denied closure regarding nJMW1301749383, would the division recommend that Devon submit a variance request within the closure report and resubmit to the Pay Portal?

Or would the recommendation be to submit a sampling notification then collect confirmation samples from the area which did not require remediation? I appreciate your time, please advise.

**MANY THANKS,**

*Tom Bynum*

Cell – 580-748-1613

Office – 575-964-7740

*Pima Environmental Services, LLC.*

*5614 N Lovington Hwy, Hobbs, NM 88240*

On Thu, Feb 27, 2025 at 6:51 AM Raley, Jim <Jim.Raley@dvn.com> wrote:

Jim Raley | Environmental Professional - Permian Basin

5315 Buena Vista Dr., Carlsbad, NM 88220

C: (575)689-7597 | jim.raley@dvn.com



---

**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>  
**Sent:** Wednesday, February 26, 2025 3:45 PM  
**To:** Raley, Jim <Jim.Raley@dvn.com>  
**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 432857

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

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nJMW1301749383, for the following reasons:

- **Remediation closure denied.**
- **Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.**
- **It appears that a sampling notification was submitted on 2/18/2025 to back date for sampling conducted in 2021. There was no notification for samples collected in 2024.**
- **The samples collected are representative of delineation samples per 19.15.29.11 NMAC and not confirmation closure samples per 19.15.29.12 NMAC.**
- **Without a variance request submitted, the submitted samples are considered, delineation samples and not confirmation closure samples. Confirmation closure samples maybe collected every 200 square feet from the surface of the release area. A sampling notification must be submitted prior to the collection of confirmation samples.**
- **Submit a report via the OCD permitting portal by April 28, 2025.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 432857. Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,  
Ashley Maxwell  
Projects Environmental Specialist - A  
505-635-5000  
[Ashley.Maxwell@emnrd.nm.gov](mailto:Ashley.Maxwell@emnrd.nm.gov)

**New Mexico Energy, Minerals and Natural Resources Department**  
[1220 South St. Francis Drive](#)  
[Santa Fe, NM 87505](#)

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



## APPENDIX D

### Photographic Documentation



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

Roche Federal #001 | nJMW1301749383

DEVON ENERGY PRODUCTION, LP.

Assessment





Roche Fed #1//Roche Battery



Northwest side looking southeast



Southwest side looking east



Borehole Installation

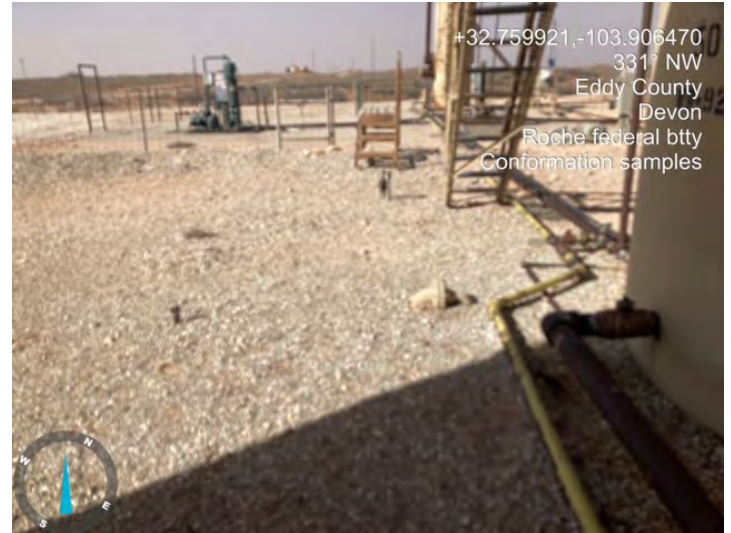
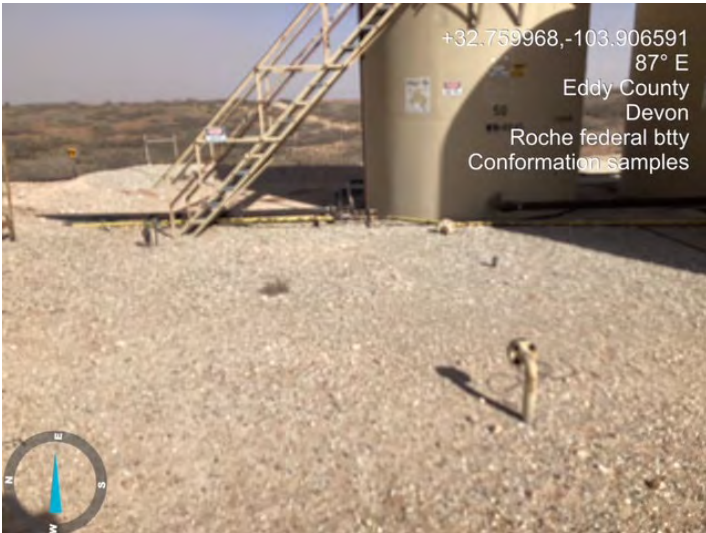








Confirmation Surface Samples



Excavation 2025











# APPENDIX E

## Laboratory Reports



Pima Environmental Services, LLC  
5614 N Lovington Hwy, Hobbs, NM 88240  
575-964-7740 | [www.pimaoil.com](http://www.pimaoil.com)

Roche Federal #001 | nJMW1301749383

DEVON ENERGY PRODUCTION, LP.





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

---

February 08, 2021

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: ROCHE FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/04/21 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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](http://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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 1 - 0" - 6" (H210287-01)**

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	02/05/2021	ND	1.99	99.5	2.00	6.51	
Toluene*	<0.050	0.050	02/05/2021	ND	1.94	96.8	2.00	6.66	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	1.89	94.6	2.00	6.69	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.54	92.3	6.00	6.40	
Total BTEX	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/05/2021	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	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	52.5	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	34.7	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.5 % 42.2-156

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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 1 - 1' (H210287-02)**

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	02/05/2021	ND	2.13	107	2.00	0.822	
Toluene*	<0.050	0.050	02/05/2021	ND	2.09	104	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.03	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.95	99.2	6.00	1.52	
Total BTEX	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/05/2021	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	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	388	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	212	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 136 % 42.2-156

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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 1 - 2' (H210287-03)**

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	02/05/2021	ND	2.13	107	2.00	0.822	
Toluene*	<0.050	0.050	02/05/2021	ND	2.09	104	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.03	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.95	99.2	6.00	1.52	
Total BTEx	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/05/2021	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	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	123	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	84.8	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 1 - 3' (H210287-04)**

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	02/05/2021	ND	2.13	107	2.00	0.822	
Toluene*	<0.050	0.050	02/05/2021	ND	2.09	104	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.03	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.95	99.2	6.00	1.52	
Total BTEX	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/05/2021	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	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	18.0	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.3 % 42.2-156

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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:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 2 - 0" - 6" (H210287-05)**

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	02/05/2021	ND	2.13	107	2.00	0.822	
Toluene*	<0.050	0.050	02/05/2021	ND	2.09	104	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.03	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.95	99.2	6.00	1.52	
Total BTEX	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/05/2021	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	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	<10.0	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.8 % 42.2-156

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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:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 2 - 1' (H210287-06)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.051</b>	0.050	02/05/2021	ND	2.13	107	2.00	0.822	
<b>Toluene*</b>	<b>0.176</b>	0.050	02/05/2021	ND	2.09	104	2.00	1.10	
<b>Ethylbenzene*</b>	<b>0.060</b>	0.050	02/05/2021	ND	2.03	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.95	99.2	6.00	1.52	
Total BTX	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	02/05/2021	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	02/04/2021	ND	219	110	200	6.10	
<b>DRO &gt;C10-C28*</b>	<b>147</b>	10.0	02/04/2021	ND	212	106	200	4.55	
<b>EXT DRO &gt;C28-C36</b>	<b>131</b>	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 2 - 2' (H210287-07)**

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	02/05/2021	ND	2.13	107	2.00	0.822	
Toluene*	0.051	0.050	02/05/2021	ND	2.09	104	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.03	102	2.00	1.55	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.95	99.2	6.00	1.52	
Total BTEx	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	105	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	114	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 2 - 3' (H210287-08)**

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	02/05/2021	ND	2.13	107	2.00	0.822		
Toluene*	0.067	0.050	02/05/2021	ND	2.09	104	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.03	102	2.00	1.55		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.95	99.2	6.00	1.52		
Total BTEx	<0.300	0.300	02/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	141	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	165	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 3 - 0" - 6" (H210287-09)**

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	02/05/2021	ND	2.13	107	2.00	0.822		
Toluene*	<0.050	0.050	02/05/2021	ND	2.09	104	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.03	102	2.00	1.55		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.95	99.2	6.00	1.52		
Total BTEX	<0.300	0.300	02/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	42.7	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	31.9	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 3 - 1' (H210287-10)**

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	02/05/2021	ND	2.07	104	2.00	1.15	
Toluene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.27	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.96	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.93	116	6.00	3.78	
Total BTEX	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/05/2021	ND	215	108	200	7.12	
<b>DRO &gt;C10-C28*</b>	<b>16.7</b>	10.0	02/05/2021	ND	214	107	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 3 - 2' (H210287-11)**

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	02/05/2021	ND	2.07	104	2.00	1.15	
Toluene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.27	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.96	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.93	116	6.00	3.78	
Total BTEX	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/05/2021	ND	215	108	200	7.12	
DRO >C10-C28*	31.5	10.0	02/05/2021	ND	214	107	200	3.53	
EXT DRO >C28-C36	14.3	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 3 - 3' (H210287-12)**

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	02/05/2021	ND	2.07	104	2.00	1.15		
Toluene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.27		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.96		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.93	116	6.00	3.78		
Total BTEx	<0.300	0.300	02/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/05/2021	ND	215	108	200	7.12	
DRO >C10-C28*	49.0	10.0	02/05/2021	ND	214	107	200	3.53	
EXT DRO >C28-C36	31.2	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 84.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 4 - 0" - 6" (H210287-13)**

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	02/05/2021	ND	2.07	104	2.00	1.15	
Toluene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.27	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.96	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.93	116	6.00	3.78	
Total BTEx	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/05/2021	ND	215	108	200	7.12	
DRO >C10-C28*	511	10.0	02/05/2021	ND	214	107	200	3.53	
EXT DRO >C28-C36	220	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 127 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 4 - 1' (H210287-14)**

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	02/05/2021	ND	2.07	104	2.00	1.15		
Toluene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.27		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.96		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.93	116	6.00	3.78		
Total BTEX	<0.300	0.300	02/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/05/2021	ND	215	108	200	7.12	
DRO >C10-C28*	315	10.0	02/05/2021	ND	214	107	200	3.53	
EXT DRO >C28-C36	109	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 4 - 2' (H210287-15)**

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	02/05/2021	ND	2.07	104	2.00	1.15		
Toluene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.27		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.96		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.93	116	6.00	3.78		
Total BTEX	<0.300	0.300	02/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/05/2021	ND	215	108	200	7.12	
<b>DRO &gt;C10-C28*</b>	<b>17.1</b>	10.0	02/05/2021	ND	214	107	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 02/04/2021  
Reported: 02/08/2021  
Project Name: ROCHE FED BATTERY  
Project Number: 70  
Project Location: DEVON - EDDY CO NM

Sampling Date: 02/03/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Yvonne Muniz

**Sample ID: S 4 - 3' (H210287-16)**

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	02/05/2021	ND	2.07	104	2.00	1.15		
Toluene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.27		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.18	109	2.00	2.96		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.93	116	6.00	3.78		
Total BTEx	<0.300	0.300	02/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2021	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	02/05/2021	ND	215	108	200	7.12	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	214	107	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "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: <u>Pima Environmental</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Chris Jones</u>		P.O. #:		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Ext</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> </div>																					
Address: <u>1601 N. Turner Ste 500</u>		Company: <u>Devon</u>																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn:																							
Phone #: <u>964-7740</u> Fax #:		Address: <u>Wes Matthews</u>																							
Project #: <u>70</u> Project Owner: <u>Devon</u>		City:																							
Project Name: <u>Roche Fed Battery</u>		State: Zip:																							
Project Location: <u>Eddy NM</u>		Phone #:																							
Sampler Name:		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										
	<u>4210287</u>													<u>2/3/21</u>	<u>9:10</u>										
	<u>1</u>	<u>51 - 0" - 6"</u>	<u>C</u>				<u>/</u>								<u>9:20</u>										
	<u>2</u>	<u>51 - 1'</u>													<u>9:30</u>										
	<u>3</u>	<u>51 - 2'</u>													<u>9:40</u>										
	<u>4</u>	<u>51 - 3'</u>													<u>9:50</u>										
	<u>5</u>	<u>52 - 0" - 6"</u>													<u>10:00</u>										
	<u>6</u>	<u>52 - 1'</u>													<u>10:10</u>										
	<u>7</u>	<u>52 - 2'</u>													<u>10:20</u>										
	<u>8</u>	<u>52 - 3'</u>													<u>10:30</u>										
	<u>9</u>	<u>53 - 0" - 6"</u>													<u>10:40</u>										
	<u>10</u>	<u>53 - 1'</u>																							

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Relinquished By: <u>Dwayne Buom</u>	Date: <u>2/4/21</u>	Received By: <u>Yvonne Muniz</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: <u>2:25</u>	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact	Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>
	<u>#113 2.1</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Cool Intact Observed Temp. °C
			Thermometer ID #113
			Correction Factor None
			Corrected Temp. °C

FORM-006 R 3.1 06/04/20

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





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Pima Environmental</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Chris Jones</u>		P.O. #:		<div style="display: flex; flex-direction: column; align-items: center;"> <div>TPH Ext</div> <div>BTEX</div> <div>Chlorides</div> </div>																					
Address: <u>1601 N Turner Ste 500</u>		Company: <u>Devon</u>																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: <u>Wes Mathews</u>																							
Phone #: <u>964-7740</u> Fax #:		Address: <u>Wes Mathews</u>																							
Project #: <u>70</u> Project Owner: <u>Devon</u>		City:																							
Project Name: <u>Roche Fed Battery</u>		State: Zip:																							
Project Location: <u>Eddy nm</u>		Phone #:																							
Sampler Name:		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										
	<u>#210287</u>													<u>2/3/21</u>	<u>11:06</u>										
	<u>11</u>	<u>53-2'</u>													<u>11:05</u>										
	<u>12</u>	<u>53-3'</u>													<u>11:10</u>										
	<u>13</u>	<u>54-0"-6"</u>													<u>11:15</u>										
	<u>14</u>	<u>54-1'</u>													<u>11:20</u>										
	<u>15</u>	<u>54-2'</u>													<u>11:25</u>										
	<u>16</u>	<u>54-3'</u>																							

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Relinquished By: <u>Dwayne Brown</u>	Date: <u>2/4/21</u> Time: <u>2:25</u>	Received By: <u>Yvonne Muniz</u>	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:
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition Cool Intact	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>#113 2-1</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
		CHECKED BY: (Initials) <u>Ym</u>	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 None

FORM-006 R3.1 06/04/20

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

Report to:  
Gio Gomez



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

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## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Roche Federal #1

Work Order: E407198

Job Number: 01058-0007

Received: 7/25/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/31/24

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



Date Reported: 7/31/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Roche Federal #1  
Workorder: E407198  
Date Received: 7/25/2024 8:30:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/25/2024 8:30:00AM, under the Project Name: Roche Federal #1.

The analytical test results summarized in this report with the Project Name: Roche Federal #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	Reported:  07/31/24 09:19
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S2-4'	E407198-01A	Soil	07/22/24	07/25/24	Glass Jar, 2 oz.
SW1 (0-4')	E407198-02A	Soil	07/22/24	07/25/24	Glass Jar, 2 oz.
SW2 (0-4')	E407198-03A	Soil	07/22/24	07/25/24	Glass Jar, 2 oz.
SW3 (0-4')	E407198-04A	Soil	07/22/24	07/25/24	Glass Jar, 2 oz.
SW4 (0-4')	E407198-05A	Soil	07/22/24	07/25/24	Glass Jar, 2 oz.
BG1-1'	E407198-06A	Soil	07/22/24	07/25/24	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Roche Federal #1  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/31/2024 9:19:35AM

**S2-4'**

**E407198-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.4 %	70-130	07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2430105
Diesel Range Organics (C10-C28)	94.4	50.0	2	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	100	2	07/25/24	07/27/24	
<i>Surrogate: n-Nonane</i>		87.6 %	50-200	07/25/24	07/27/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2430109
Chloride	ND	20.0	1	07/25/24	07/25/24	



## Sample Data

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

Project Name: Roche Federal #1  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/31/2024 9:19:35AM

## SW1 (0-4')

## E407198-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID	93.7 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2430105
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane	78.9 %	50-200		07/25/24	07/27/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2430109
Chloride	ND	20.0	1	07/25/24	07/25/24	



## Sample Data

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

Project Name: Roche Federal #1  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/31/2024 9:19:35AM

## SW2 (0-4')

## E407198-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2430105
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane	86.0 %	50-200		07/25/24	07/27/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2430109
Chloride	ND	20.0	1	07/25/24	07/25/24	





## Sample Data

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

Project Name: Roche Federal #1  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/31/2024 9:19:35AM

## SW3 (0-4')

## E407198-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2430105
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
<i>Surrogate: n-Nonane</i>						
	85.0 %	50-200		07/25/24	07/27/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2430109
Chloride	ND	20.0	1	07/25/24	07/25/24	



## Sample Data

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

Project Name: Roche Federal #1  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/31/2024 9:19:35AM

## SW4 (0-4')

## E407198-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2430105
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
<i>Surrogate: n-Nonane</i>						
	79.3 %	50-200		07/25/24	07/27/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2430109
Chloride	ND	20.0	1	07/25/24	07/25/24	



## Sample Data

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

Project Name: Roche Federal #1  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
7/31/2024 9:19:35AM

BG1-1'

E407198-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2430092
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/24/24	07/26/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2430105
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
<i>Surrogate: n-Nonane</i>						
	86.7 %	50-200		07/25/24	07/27/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2430109
Chloride	ND	20.0	1	07/25/24	07/25/24	





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/31/2024 9:19:35AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2430092-BLK1) Prepared: 07/24/24 Analyzed: 07/25/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.0	70-130			

LCS (2430092-BS1) Prepared: 07/24/24 Analyzed: 07/25/24

Benzene	5.79	0.0250	5.00		116	70-130			
Ethylbenzene	5.42	0.0250	5.00		108	70-130			
Toluene	5.70	0.0250	5.00		114	70-130			
o-Xylene	5.53	0.0250	5.00		111	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.7	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			

Matrix Spike (2430092-MS1) Source: E407195-02 Prepared: 07/24/24 Analyzed: 07/25/24

Benzene	4.65	0.0250	5.00	ND	92.9	54-133			
Ethylbenzene	4.35	0.0250	5.00	ND	87.1	61-133			
Toluene	4.58	0.0250	5.00	ND	91.6	61-130			
o-Xylene	4.48	0.0250	5.00	ND	89.7	63-131			
p,m-Xylene	9.00	0.0500	10.0	ND	90.0	63-131			
Total Xylenes	13.5	0.0250	15.0	ND	89.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			

Matrix Spike Dup (2430092-MSD1) Source: E407195-02 Prepared: 07/24/24 Analyzed: 07/25/24

Benzene	4.72	0.0250	5.00	ND	94.3	54-133	1.49	20	
Ethylbenzene	4.43	0.0250	5.00	ND	88.6	61-133	1.77	20	
Toluene	4.65	0.0250	5.00	ND	92.9	61-130	1.47	20	
o-Xylene	4.55	0.0250	5.00	ND	91.1	63-131	1.53	20	
p,m-Xylene	9.15	0.0500	10.0	ND	91.5	63-131	1.73	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.4	63-131	1.66	20	
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	Reported:  7/31/2024 9:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2430092-BLK1) Prepared: 07/24/24 Analyzed: 07/25/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			

LCS (2430092-BS2) Prepared: 07/24/24 Analyzed: 07/25/24

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.67		8.00		108	70-130			

Matrix Spike (2430092-MS2) Source: E407195-02 Prepared: 07/24/24 Analyzed: 07/25/24

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.64		8.00		108	70-130			

Matrix Spike Dup (2430092-MSD2) Source: E407195-02 Prepared: 07/24/24 Analyzed: 07/25/24

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.4	70-130	2.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.55		8.00		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	Reported:  7/31/2024 9:19:35AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2430105-BLK1)					Prepared: 07/25/24 Analyzed: 07/27/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.2		50.0		88.5	50-200			

LCS (2430105-BS1)					Prepared: 07/25/24 Analyzed: 07/27/24				
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132			
Surrogate: n-Nonane	46.7		50.0		93.5	50-200			

Matrix Spike (2430105-MS1)					Source: E407198-06		Prepared: 07/25/24 Analyzed: 07/27/24		
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.7	38-132			
Surrogate: n-Nonane	92.3		50.0		185	50-200			

Matrix Spike Dup (2430105-MSD1)					Source: E407198-06		Prepared: 07/25/24 Analyzed: 07/27/24		
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.0	38-132	3.03	20	
Surrogate: n-Nonane	46.3		50.0		92.6	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/31/2024 9:19:35AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2430109-BLK1)					Prepared: 07/25/24 Analyzed: 07/25/24				
Chloride	ND	20.0							
LCS (2430109-BS1)					Prepared: 07/25/24 Analyzed: 07/25/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2430109-MS1)					Source: E407194-04		Prepared: 07/25/24 Analyzed: 07/25/24		
Chloride	427	20.0	250	160	107	80-120			
Matrix Spike Dup (2430109-MSD1)					Source: E407194-04		Prepared: 07/25/24 Analyzed: 07/25/24		
Chloride	423	20.0	250	160	105	80-120	0.883	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	07/31/24 09:19

- ND Analyte NOT DETECTED at or above the reporting limit
  - NR Not Reported
  - RPD Relative Percent Difference
  - DNI Did Not Ignite
  - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.







## Envirotech Analytical Laboratory

Printed: 7/25/2024 11:49:19AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/25/24 08:30	Work Order ID:	E407198
Phone:	(575) 631-6977	Date Logged In:	07/24/24 15:39	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	07/31/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CouierComments/Resolution

No. of containers and sampled by is not listed on the COC by client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



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

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March 11, 2025

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: ROCHE FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 03/05/25 9:56.

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](http://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:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 03/05/2025  
Reported: 03/11/2025  
Project Name: ROCHE FEDERAL #1  
Project Number: 1-70  
Project Location: DEVON - EDDY

Sampling Date: 03/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 1 - SURFACE (H251294-01)**

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	03/06/2025	ND	1.92	96.2	2.00	2.59		
Toluene*	<0.050	0.050	03/06/2025	ND	2.24	112	2.00	1.44		
Ethylbenzene*	<0.050	0.050	03/06/2025	ND	2.26	113	2.00	2.16		
Total Xylenes*	<0.150	0.150	03/06/2025	ND	6.92	115	6.00	1.46		
Total BTEx	<0.300	0.300	03/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/06/2025	ND	400	100	400	3.92		

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	03/06/2025	ND	216	108	200	7.60	
DRO >C10-C28*	5990	10.0	03/06/2025	ND	220	110	200	6.34	
EXT DRO >C28-C36	1960	10.0	03/06/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 166 % 40.6-153

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

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 03/05/2025  
Reported: 03/11/2025  
Project Name: ROCHE FEDERAL #1  
Project Number: 1-70  
Project Location: DEVON - EDDY

Sampling Date: 03/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 2 - SURFACE (H251294-02)**

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	03/05/2025	ND	1.92	96.2	2.00	2.59		
Toluene*	<0.050	0.050	03/05/2025	ND	2.24	112	2.00	1.44		
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.26	113	2.00	2.16		
Total Xylenes*	<0.150	0.150	03/05/2025	ND	6.92	115	6.00	1.46		
Total BTEx	<0.300	0.300	03/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/06/2025	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	03/05/2025	ND	216	108	200	7.60	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	220	110	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.5 % 40.6-153

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

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 03/05/2025  
Reported: 03/11/2025  
Project Name: ROCHE FEDERAL #1  
Project Number: 1-70  
Project Location: DEVON - EDDY

Sampling Date: 03/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 3 - SURFACE (H251294-03)**

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	03/05/2025	ND	1.92	96.2	2.00	2.59		
Toluene*	<0.050	0.050	03/05/2025	ND	2.24	112	2.00	1.44		
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.26	113	2.00	2.16		
Total Xylenes*	<0.150	0.150	03/05/2025	ND	6.92	115	6.00	1.46		
Total BTEx	<0.300	0.300	03/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2025	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	03/05/2025	ND	216	108	200	7.60	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	220	110	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.4 % 40.6-153

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

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 03/05/2025  
Reported: 03/11/2025  
Project Name: ROCHE FEDERAL #1  
Project Number: 1-70  
Project Location: DEVON - EDDY

Sampling Date: 03/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: 4 - SURFACE (H251294-04)**

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	03/05/2025	ND	1.92	96.2	2.00	2.59		
Toluene*	<0.050	0.050	03/05/2025	ND	2.24	112	2.00	1.44		
Ethylbenzene*	<0.050	0.050	03/05/2025	ND	2.26	113	2.00	2.16		
Total Xylenes*	<0.150	0.150	03/05/2025	ND	6.92	115	6.00	1.46		
Total BTEx	<0.300	0.300	03/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/06/2025	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	03/05/2025	ND	216	108	200	7.60	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	220	110	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.9 % 40.6-153

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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:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 03/05/2025  
Reported: 03/11/2025  
Project Name: ROCHE FEDERAL #1  
Project Number: 1-70  
Project Location: DEVON - EDDY

Sampling Date: 03/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: W1 - SURFACE (H251294-05)**

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	03/06/2025	ND	1.92	96.2	2.00	2.59		
Toluene*	<0.050	0.050	03/06/2025	ND	2.24	112	2.00	1.44		
Ethylbenzene*	<0.050	0.050	03/06/2025	ND	2.26	113	2.00	2.16		
Total Xylenes*	<0.150	0.150	03/06/2025	ND	6.92	115	6.00	1.46		
Total BTEx	<0.300	0.300	03/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/06/2025	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	03/05/2025	ND	216	108	200	7.60	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	220	110	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.1 % 40.6-153

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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:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 03/05/2025  
Reported: 03/11/2025  
Project Name: ROCHE FEDERAL #1  
Project Number: 1-70  
Project Location: DEVON - EDDY

Sampling Date: 03/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: W2 - SURFACE (H251294-06)**

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	03/06/2025	ND	1.92	96.2	2.00	2.59		
Toluene*	<0.050	0.050	03/06/2025	ND	2.24	112	2.00	1.44		
Ethylbenzene*	<0.050	0.050	03/06/2025	ND	2.26	113	2.00	2.16		
Total Xylenes*	<0.150	0.150	03/06/2025	ND	6.92	115	6.00	1.46		
Total BTEx	<0.300	0.300	03/06/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/06/2025	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	03/05/2025	ND	216	108	200	7.60	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	220	110	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 03/05/2025  
Reported: 03/11/2025  
Project Name: ROCHE FEDERAL #1  
Project Number: 1-70  
Project Location: DEVON - EDDY

Sampling Date: 03/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: W3 - SURFACE (H251294-07)**

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	03/06/2025	ND	1.92	96.2	2.00	2.59		
Toluene*	<0.050	0.050	03/06/2025	ND	2.24	112	2.00	1.44		
Ethylbenzene*	<0.050	0.050	03/06/2025	ND	2.26	113	2.00	2.16		
Total Xylenes*	<0.150	0.150	03/06/2025	ND	6.92	115	6.00	1.46		
Total BTEx	<0.300	0.300	03/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/06/2025	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	03/05/2025	ND	216	108	200	7.60	
DRO >C10-C28*	<10.0	10.0	03/05/2025	ND	220	110	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	03/05/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

PIMA ENVIROMENTAL  
TOM BYNUM  
1601 N TURNER STE. 500  
HOBBS NM, 88240  
Fax To:

Received: 03/05/2025  
Reported: 03/11/2025  
Project Name: ROCHE FEDERAL #1  
Project Number: 1-70  
Project Location: DEVON - EDDY

Sampling Date: 03/04/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: W4 - SURFACE (H251294-08)**

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	03/06/2025	ND	1.92	96.2	2.00	2.59		
Toluene*	<0.050	0.050	03/06/2025	ND	2.24	112	2.00	1.44		
Ethylbenzene*	<0.050	0.050	03/06/2025	ND	2.26	113	2.00	2.16		
Total Xylenes*	<0.150	0.150	03/06/2025	ND	6.92	115	6.00	1.46		
Total BTEx	<0.300	0.300	03/06/2025	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	400	16.0	03/06/2025	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	03/06/2025	ND	216	108	200	7.60	
DRO >C10-C28*	<10.0	10.0	03/06/2025	ND	220	110	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	03/06/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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: Pima Environmental Services				BILL TO		ANALYSIS REQUEST																				
Project Manager: Tom Bynum				P.O. #:																						
Address: 5614 N. Lovington Hwy				Company: Devon																						
City: Hobbs State: NM Zip: 88240				Attn:																						
Phone #: 575-964-7740 Fax #:				Address:																						
Project #: 1-70 Project Owner: Devon				City:																						
Project Name: Roche Federal #1				State: Zip:																						
Project Location: Eddy				Phone #:																						
Sampler Name: MARISA LOYA				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											
	HAS1294																									
	1	1-Surface					X					X		3/4/25	8:00	X	X	X								
	2	2-Surface					X					X				X	X	X								
	3	3-Surface					X					X				X	X	X								
	4	4-Surface					X					X				X	X	X								
	5	W1-Surface					X					X				X	X	X								
	6	W2-Surface					X					X				X	X	X								
	7	W3-Surface					X					X				X	X	X								
	8	W4-Surface					X					X				X	X	X								

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Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
MARISA LOYA	3-5-25	Spodkiney	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Time:	Received By:	REMARKS:		
	0954		Tom @ Pima i)		
Delivered By: (Circle One)	Date:	Sample Condition	Billing #		
Sampler - UPS - Bus - Other:	Time:	Cool Intact	207 706 39		
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Standard		
		<input type="checkbox"/> No <input type="checkbox"/> No			
		CHECKED BY: (Initials)			
		88			

\* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Roche Federal #1

Work Order: E503255

Job Number: 01058-0007

Received: 4/1/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/1/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 4/1/25

Tom Bynum  
PO Box 247  
Plains, TX 79355-0247



Project Name: Roche Federal #1  
Workorder: E503255  
Date Received: 4/1/2025 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/1/2025 7:30:00AM, under the Project Name: Roche Federal #1.

The analytical test results summarized in this report with the Project Name: Roche Federal #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
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**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	Reported:  04/01/25 15:42
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1-6"	E503255-01A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.
W1-6"	E503255-02A	Soil	03/28/25	04/01/25	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Roche Federal #1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/1/2025 3:42:19PM

1-6"

E503255-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2514044	
Benzene	ND	0.0250	1	04/01/25	04/01/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/01/25	
Toluene	ND	0.0250	1	04/01/25	04/01/25	
o-Xylene	ND	0.0250	1	04/01/25	04/01/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/01/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		04/01/25	04/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2514044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		04/01/25	04/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2514037	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/25	04/01/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		04/01/25	04/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2514043	
Chloride	ND	20.0	1	04/01/25	04/01/25	



## Sample Data

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

Project Name: Roche Federal #1  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
4/1/2025 3:42:19PM

W1-6"

E503255-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2514044
Benzene	ND	0.0250	1	04/01/25	04/01/25	
Ethylbenzene	ND	0.0250	1	04/01/25	04/01/25	
Toluene	ND	0.0250	1	04/01/25	04/01/25	
o-Xylene	ND	0.0250	1	04/01/25	04/01/25	
p,m-Xylene	ND	0.0500	1	04/01/25	04/01/25	
Total Xylenes	ND	0.0250	1	04/01/25	04/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		04/01/25	04/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2514044
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/25	04/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.7 %	70-130		04/01/25	04/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2514037
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/25	04/01/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		04/01/25	04/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2514043
Chloride	ND	20.0	1	04/01/25	04/01/25	





## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	<b>Reported:</b>
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/1/2025 3:42:19PM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2514044-BLK1)

Prepared: 04/01/25 Analyzed: 04/01/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

## LCS (2514044-BS1)

Prepared: 04/01/25 Analyzed: 04/01/25

Benzene	4.39	0.0250	5.00		87.7	70-130			
Ethylbenzene	4.35	0.0250	5.00		87.1	70-130			
Toluene	4.41	0.0250	5.00		88.2	70-130			
o-Xylene	4.38	0.0250	5.00		87.7	70-130			
p,m-Xylene	8.76	0.0500	10.0		87.6	70-130			
Total Xylenes	13.1	0.0250	15.0		87.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

## LCS Dup (2514044-BSD1)

Prepared: 04/01/25 Analyzed: 04/01/25

Benzene	4.39	0.0250	5.00		87.9	70-130	0.185	20	
Ethylbenzene	4.37	0.0250	5.00		87.4	70-130	0.396	20	
Toluene	4.42	0.0250	5.00		88.4	70-130	0.203	20	
o-Xylene	4.40	0.0250	5.00		88.1	70-130	0.439	20	
p,m-Xylene	8.79	0.0500	10.0		87.9	70-130	0.334	20	
Total Xylenes	13.2	0.0250	15.0		88.0	70-130	0.369	20	
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	Reported:  4/1/2025 3:42:19PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2514044-BLK1)					Prepared: 04/01/25 Analyzed: 04/01/25				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			

LCS (2514044-BS2)					Prepared: 04/01/25 Analyzed: 04/01/25				
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

LCS Dup (2514044-BSD2)					Prepared: 04/01/25 Analyzed: 04/01/25				
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.5	70-130	8.80	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	Reported:  4/1/2025 3:42:19PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2514037-BLK1)					Prepared: 04/01/25 Analyzed: 04/01/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			

LCS (2514037-BS1)					Prepared: 04/01/25 Analyzed: 04/01/25				
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	49.1		50.0		98.1	61-141			

Matrix Spike (2514037-MS1)					Source: E503255-01		Prepared: 04/01/25 Analyzed: 04/01/25		
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	50.1		50.0		100	61-141			

Matrix Spike Dup (2514037-MSD1)					Source: E503255-01		Prepared: 04/01/25 Analyzed: 04/01/25		
Diesel Range Organics (C10-C28)	294	25.0	250	ND	118	56-156	7.64	20	
Surrogate: n-Nonane	51.5		50.0		103	61-141			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	Reported:  4/1/2025 3:42:19PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2514043-BLK1)						Prepared: 04/01/25 Analyzed: 04/01/25			
Chloride	ND	20.0							
LCS (2514043-BS1)						Prepared: 04/01/25 Analyzed: 04/01/25			
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2514043-MS1)				Source: E503255-01		Prepared: 04/01/25 Analyzed: 04/01/25			
Chloride	262	20.0	250	ND	105	80-120			
Matrix Spike Dup (2514043-MSD1)				Source: E503255-01		Prepared: 04/01/25 Analyzed: 04/01/25			
Chloride	261	20.0	250	ND	104	80-120	0.346	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Roche Federal #1	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/01/25 15:42

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

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

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



Released to Imaging: 4/21/2025 11:31:47 AM

## Envirotech Analytical Laboratory

Printed: 4/1/2025 8:23:26AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/01/25 07:30	Work Order ID:	E503255
Phone:	(575) 631-6977	Date Logged In:	03/31/25 14:20	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	04/01/25 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

No of containers not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



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

QUESTIONS

Action 450334

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 450334
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nJMW1301749383
Incident Name	NJMW1301749383 ROCHE FEDERAL #001 @ 30-015-25972
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-25972] ROCHE FEDERAL #001

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	ROCHE FEDERAL #001
Date Release Discovered	01/05/2013
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion   Flow Line - Injection   Crude Oil   Released: 10 BBL   Recovered: 4 BBL   Lost: 6 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.

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QUESTIONS, Page 2

Action 450334

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 450334
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 04/10/2025
--	---

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QUESTIONS, Page 3

Action 450334

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 450334
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 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

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	192
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	731
GRO+DRO (EPA SW-846 Method 8015M)	511
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/27/2025
On what date will (or did) the final sampling or liner inspection occur	03/28/2025
On what date will (or was) the remediation complete(d)	04/04/2025
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	200
What is the estimated volume (in cubic yards) that will be remediated	4
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 450334

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 450334
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 04/10/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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QUESTIONS, Page 5

Action 450334

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 450334
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 450334

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 450334
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	445861
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	200
What was the total volume (cubic yards) remediated	4
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Remediation complete
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/10/2025

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

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Action 450334

QUESTIONS (continued)

Operator:  DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:  6137
	Action Number:  450334
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 450334

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 450334
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	4/21/2025
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/21/2025
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	4/21/2025