

Spill Volume(Bbls) Calculator		
<i>Inputs in blue, Outputs in red</i>		
Length(Ft)	Width(Ft)	Depth(In)
65.000	28.000	0.750
Cubic Feet Impacted		113.750
Barrels		20.26
Soil Type		Lined Containment
Bbls Assuming 100% Saturation		20.26
Saturation	Fluid present when squeezed	
Estimated Barrels Released		10.20000

Instructions
1. Input spill measurements below. Length and width need to be input in feet and depth in inches.
2. Select a soil type from the drop down menu.
3. Select a saturation level from the drop down menu.
(For data gathering instructions see appendix tab)

Measurements	
Length (ft)	65
Width (ft)	28
Depth (in)	0.750









PERE MARQUETTE CTB

Incident ID nAPP2604134557

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR:
Spur Energy

Liner Inspection and Closure Report

April 27, 2026

FACILITY NAME	PERE MARQUETTE CTB
DATE OF RELEASE	2/8/2026
INCIDENT NO.	nAPP2604134557



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

Site Characterization	
DTGW What is the shallowest DTGW beneath the area affected by the release in ft below ground surface (ft bgs)	Between 75 and 100 ft.
GW Depth Determination What method was used to determine the DTGW?	NM OSE iWaters Database Search
Ground or Surface Water Impacted Did this release impact GW or Surface Water?	No
What is the min. distance between the closest lateral extents of the release and the following surace areas?	
Distance to Watercourse A continuously flowing watercourse or any other significant watercourse?	Between 1000 ft and 1/2 mi.
Distance to Lakebed Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	> 5 mi.
Distance to Public An occupied permanent residence, school, hospital, institution, or church?	> 5 mi.
Distance to Private A spring or a private domestic FW well used by less than five households for domestic or stock watering purposes?	Between 1/2 mi. and 1 mi.
Distance to Fresh Water Any other FW well spring?	Between 1/2 mi. and 1 mi.
Within Municipal Boundaries Incorporated municipal boundaries or a defined municipal FW well field?	> 5 mi.
Distance to Wetland A wetland?	Between 1/2 mi. and 1 mi.
Overlying Subsurface Mine A subsurface mine?	> 5 mi.
Overlying (Non-Karst) Unstable Area An (non-karst) unstable area?	> 5 mi.
Risk of Karst Geology Categorize the risk of this well/site being in a karst geology?	Medium
Distance to or Within 100 yr Floodplain A 100-year floodplain?	Between 1 mi. and 5 mi.
Areas NOT Other Site Did the release impact areas not on exploration, development, production, or storage site?	No
Remediation Plan	
Have the lateral and vertical extents of contamination been fully delineated?	Yes
Lined Containment Area Only Was this release entirely contained within a lined containment area?	Yes
Soil Containment Sampling	(EPA 300.00 or SW4500 CI B?)
Chloride Constituent Chloride (mg/kg)	0
	(EPA SW-846 Method 8015M)?
TPH (GRO+DRO+MRO) Constituent TPH (mg/kg)	0
	(EPA SW-846 Method 8015M)?
GRO + DRO Constituent GRO-DRO (mg/kg)	0
	(EPA SW-846 Method 8021B or 8260B)?
BTEX Constituent BTEX (mg/kg)	0
	(EPA SW-846 Method 8021B or 8260B)?
Benzene Constituent Benzene (mg/kg)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes competed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
Start of Remediation On what estimated date will remediation commence?	2/17/2026
Start of Sampling or Liner Inspection On what date will (or did) the final sampling or liner inspection occur?	2/18/2026
Finish of Remediation On what date will (or was) the remediation complete(d)?	2/18/2026
Surface Area (sq ft) To Be Reclaimed What is the estimated surface area (in sq ft) that will be reclaimed?	0
Surface Area (sq ft) To Be Remediated What is the estimated surface are (in sq ft) that will be remediated?	3,800
Volume (cu yd) To Be Remediated What is the estimated volume (in cubic yds) that will be remediated?	0
Remediation Plan (Cont.) Please answer all that apply	
Ex Situ Excavation Off-Site (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc)?	No
Ex Situ Excavation On-Site (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)?	No
In Situ Soil Vapor Extraction (SVE)?	No
In Situ Chemical Processing (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)?	No
In Situ Biological Processing (In Situ) Biological processing (i.e. Microbes/Fertilizer, etc.)?	No
In Situ Physical Processing (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Dinking, etc.)?	No
In Situ Ground Water Abatement GW Abatement pursuant to 19.15.30 NMAC?	No
Remediation Other Other (Non-listed remedial process)?	No
Deferral Request Only	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

FACILITY NAME	PERE MARQUETTE CTB
DATE OF RELEASE	2/8/2026
INCIDENT NO.	nAPP2604134557



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

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?	Yes
Restored Areas For Production Use 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
Total Surface Area (sq ft) Remediated What was the total surface area (sq ft) remediated?	0
Total Volume (cu yd) Remediated What was the total volume (cubic yards) remediated?	3800
Reclaimed to Condition Prior Release All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four ft 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
Total Surface Area (sq ft) Reclaimed What was the total surface area (in sq ft) reclaimed?	0
Remediation Summary Summarize any additional remedialton activities not included by answers (above).	The lined containment was power-washed, and all standing fluids were removed using a vacuum truck. Following remediation, a liner inspection was conducted, confirming that the containment liner remained intact and maintained its integrity.



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

April 27, 2026

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

RE: Liner Inspection and Closure Report
Pere Marquette CTB
Well API: N/A
GPS: Latitude 32.84101 Longitude -104.12032
UL- D, Section 18, Township 17S, Range 29E
NMOCD Reference No. nAPP2604134557

Spur Energy Partners (Spur) has contracted Pima Environmental Services, LLC (Pima) to perform a liner inspection and prepare this closure report for the release of produced water and crude oil that happened on the Pere Marquette CTB (Site). An initial release was discovered on February 8, 2026. This incident was assigned Incident ID nAPP2604134557, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Site is located approximately 8.35 miles northwest of Loco Hills, NM. This spill site is in Unit D, Section 18, Township 17S, Range 29E, Latitude 32.84101 Longitude -104.12032, Eddy County, NM. A Location Map can be found in Figure 1.

A review of well water data from the New Mexico Office of the State Engineer indicates that no registered water wells are located within a 0.5-mile radius of the site. This finding is corroborated by data from the United States Geological Survey, which similarly shows no water wells within the same distance of the site boundary. Detailed references to the surveys and mapped well locations are provided in Appendix A, including the associated figures. The site is situated within an area identified as having a medium potential for karst development, as shown in Figure 3. A topographic map of the site and surrounding area is provided in Figure 2 to further illustrate the local terrain and geologic context.

Release Information

nAPP2604134557: On February 8, 2026, a WTP failed to start, resulting in the release of approximately 1 barrel of crude oil and 9 barrels of produced water into the lined containment. Spur personnel immediately initiated response actions and successfully recovered all fluids using a vacuum truck. No impacts occurred outside of the lined containment. A site map is provided in Figure 4.

Site Assessment and Liner Inspection

On February 15, 2026, Spur personnel submitted a notification for a liner inspection, adhering to the necessary 48-hour notice period. The details of the 48-hour notification can be referenced in Appendix C.

On February 18, 2026, Pima Environmental conducted a thorough inspection of the lined containment area. The evaluation process included cleaning the liner with a power washer and using a vacuum truck to ensure the complete removal of any residual fluids. The inspection confirmed that the system remained intact and successfully retained all fluids. As a result, the liner was deemed functional, preventing any further environmental impact. A detailed report, including photographic evidence, is provided in Appendices C and D.

Closure Request

After careful review, Pima requests that this incident nAPP2604134557 be closed. Spur has complied with the applicable closure requirements.

For questions or additional information, please feel free to contact:
Spur Energy – Katherine Purvis at 575-441-8619 or katherine.purvis@spurenergy.com
Pima Environmental Services – Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map

Appendices:

- Appendix A- Referenced Water Surveys
- Appendix B- Soil Survey, Geological Data, FEMA Flood Map, Wetland Map
- Appendix C-48 Hour Notification and Liner Inspection Form
- Appendix D- Photographic Documentation



Figures:

Figure 1- Location Map

Figure 2- Topographic Map



Figure 3- Karst Map

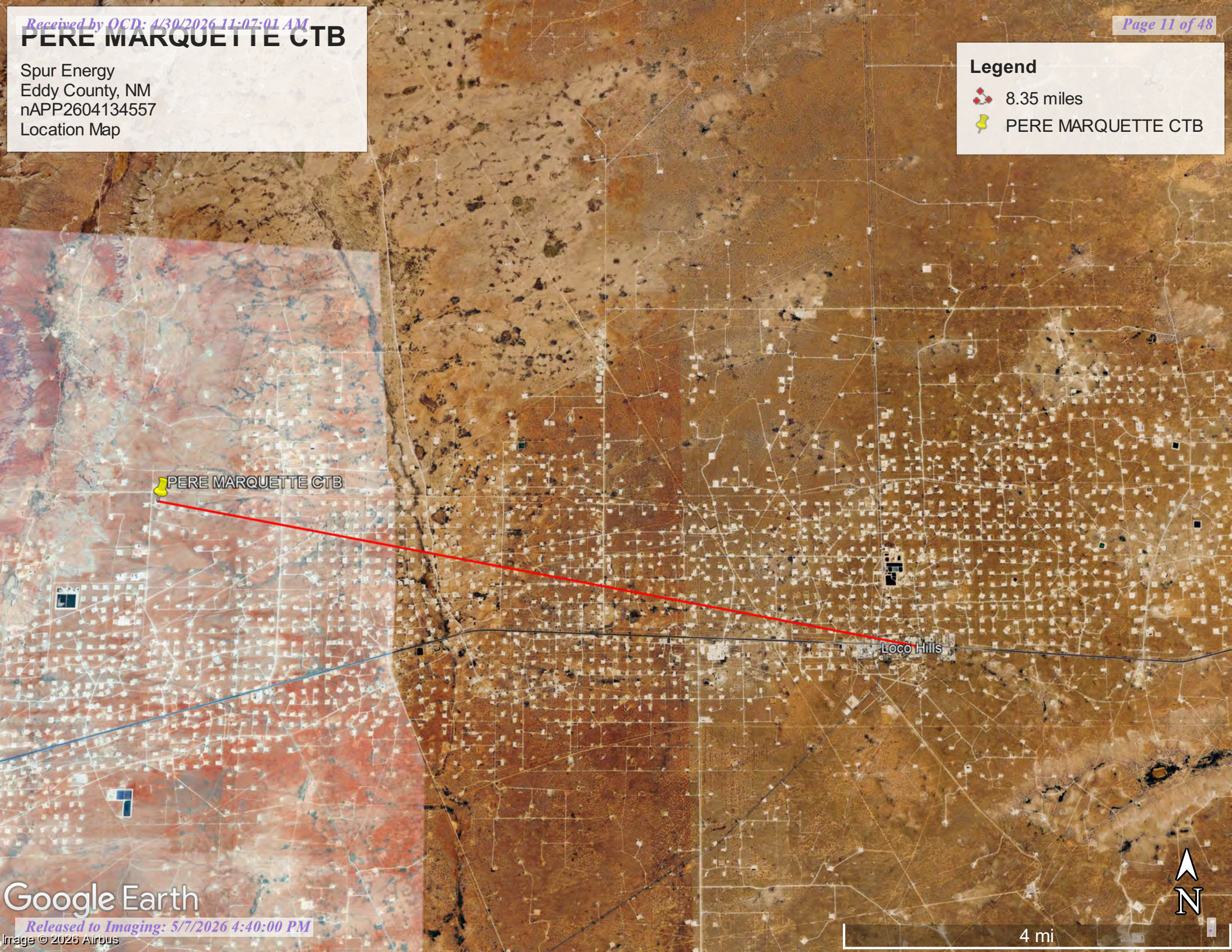
Figure 4- Site Map

PERE MARQUETTE CTB

Spur Energy
Eddy County, NM
nAPP2604134557
Location Map

Legend

-  8.35 miles
-  PERE MARQUETTE CTB



PERE MARQUETTE CTB

Loco Hills

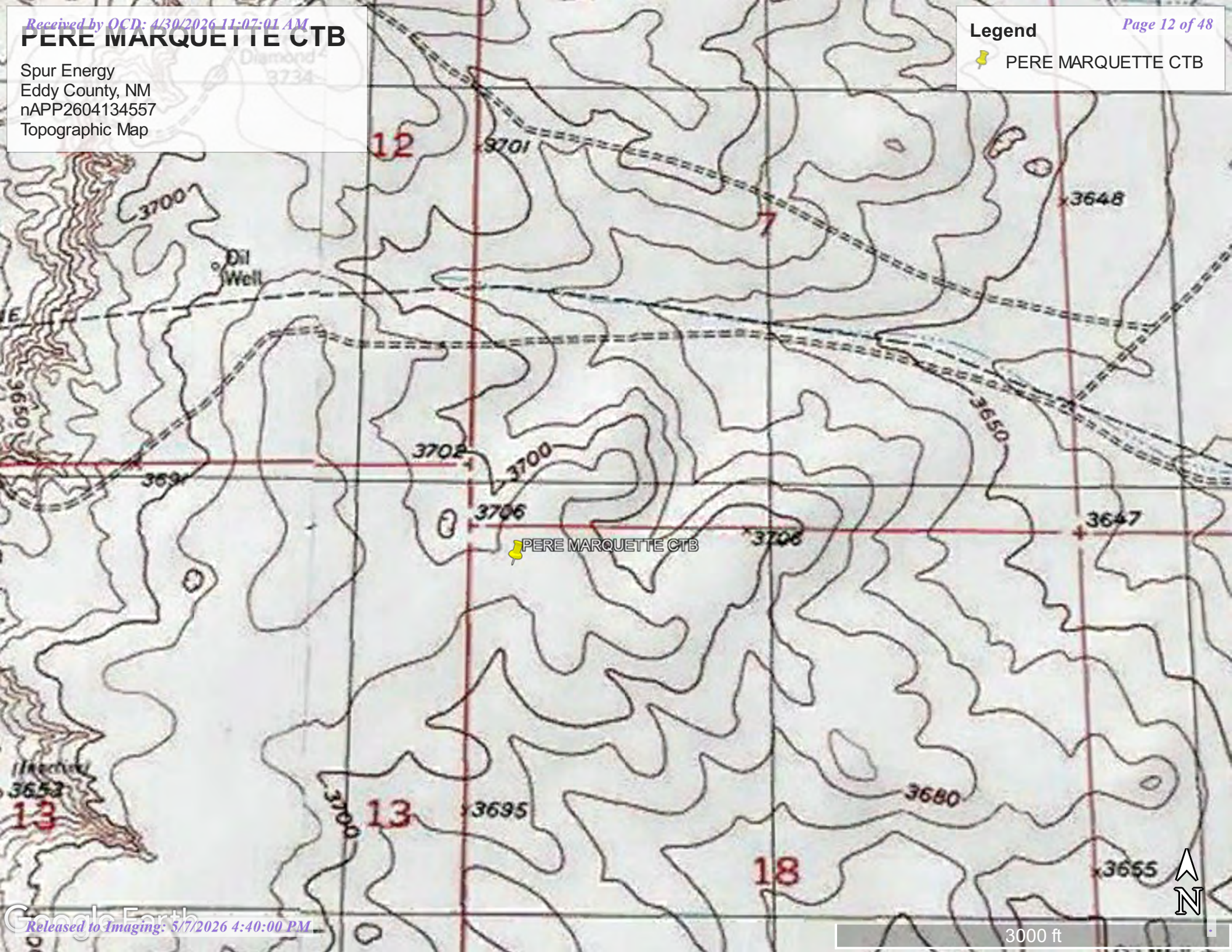


PERE MARQUETTE CTB

Spur Energy
Eddy County, NM
nAPP2604134557
Topographic Map

Legend





 PERE MARQUETTE CTB

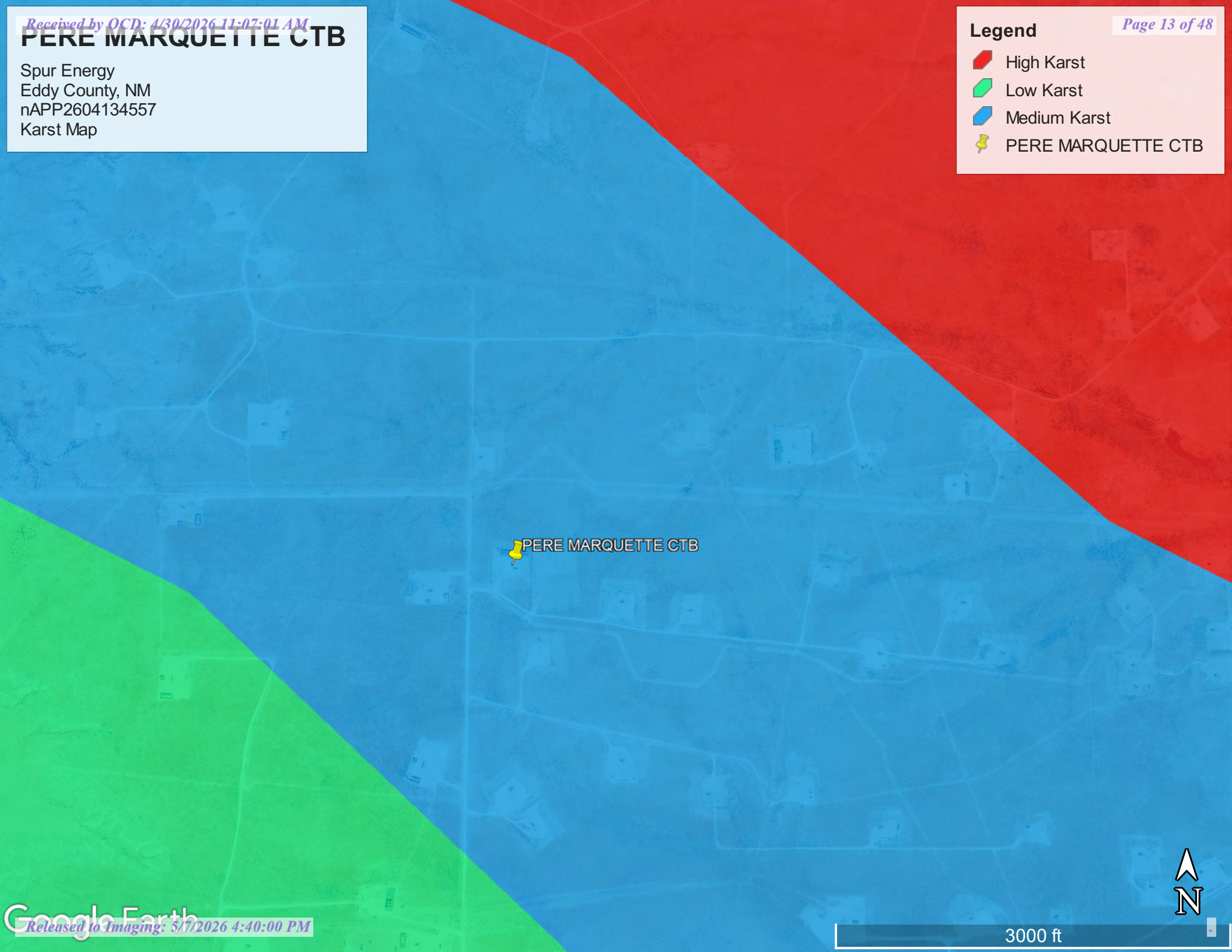


PERE MARQUETTE CTB

Spur Energy
Eddy County, NM
nAPP2604134557
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst
-  PERE MARQUETTE CTB




PERE MARQUETTE CTB

A north arrow pointing upwards and a scale bar labeled '3000 ft' are located in the bottom right corner of the map.

PERE MARQUETTE CTB

Spur Energy
Eddy County, NM
nAPP2604134557
Site Map

Legend

-  Liner Inspection Area



Pere Marquette CTB



Appendix A

Water Surveys:

- OSE
- USGS
- Surface Water Map

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
RA 12307	POD1	SE	NE	NE	14	17S	28E	580494.9	3633981.3	

* UTM location was derived from PLSS - see Help

Driller License:	1058	Driller Company:	KEY'S DRILLING & PUMP SERVICE
Driller Name:	CLINTON KEY		
Drill Start Date:	2015-09-28	Drill Finish Date:	2015-09-30
Log File Date:	2015-10-07	PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	4.50	Depth Well:	140
		Estimated Yield:	30
		Depth Water:	80
		Source:	Shallow
		Plug Date:	

Water Bearing Stratifications:

Top	Bottom	Description
80	100	Shale/Mudstone/Siltstone
110	120	Sandstone/Gravel/Conglomerate
120	140	Other/Unknown

Casing Perforations:

Top	Bottom
120	140

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.

2/10/26 10:37 AM MST

Point of Diversion Summary

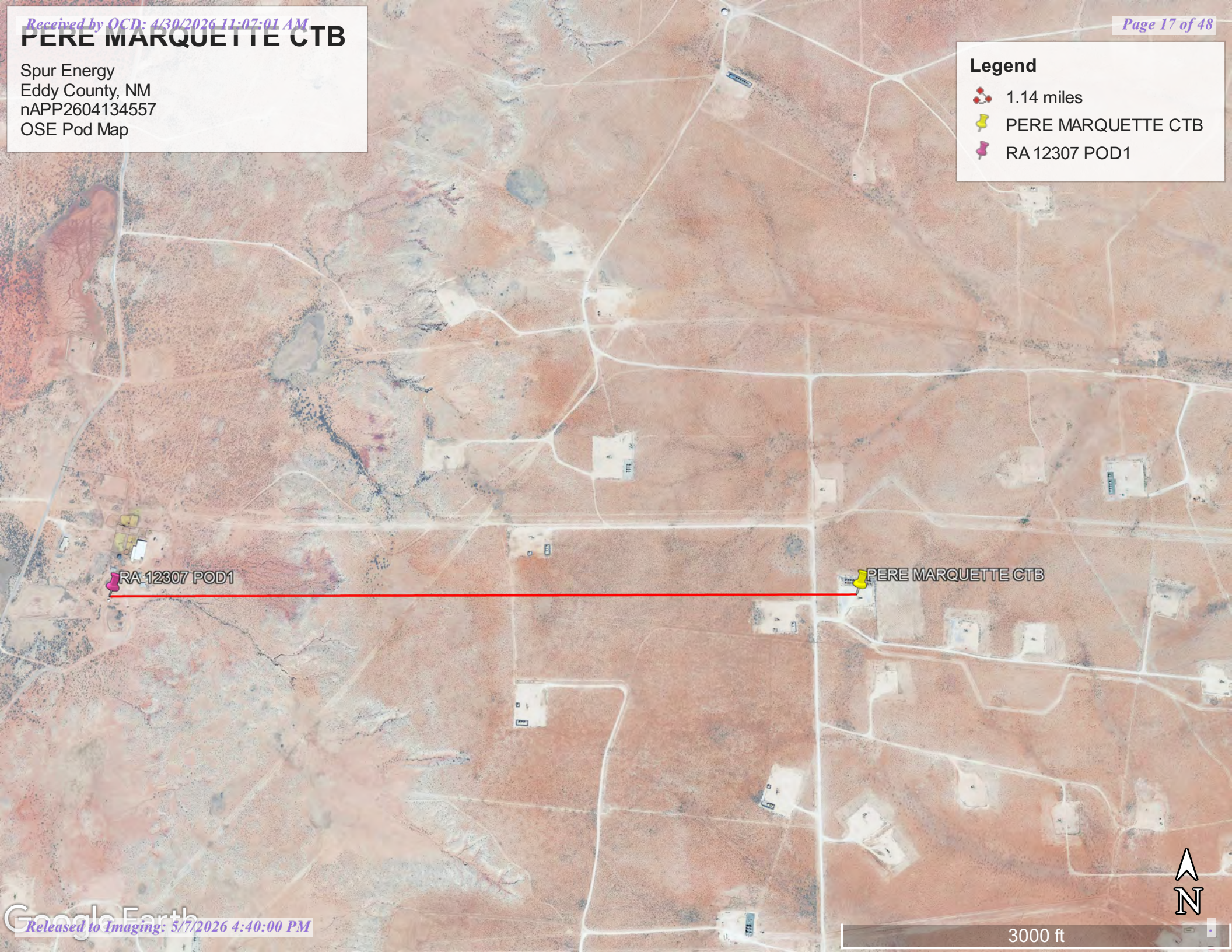
©2024 New Mexico Office of the State Engineer, All Rights Reserved. | [Disclaimer](#) | [Contact Us](#) | [Help](#) | [Home](#) |

PERE MARQUETTE CTB

Spur Energy
Eddy County, NM
nAPP2604134557
OSE Pod Map

Legend

-  1.14 miles
-  PERE MARQUETTE CTB
-  RA 12307 POD1



RA 12307 POD1

PERE MARQUETTE CTB



Monitoring location

16S.28E.24.22423A - USGS-325448104071801

DID YOU KNOW You can see all water data collected at this monitoring location in the *Available data* section of the page. Learn more about [centralized water data delivery](#) in WDFN.

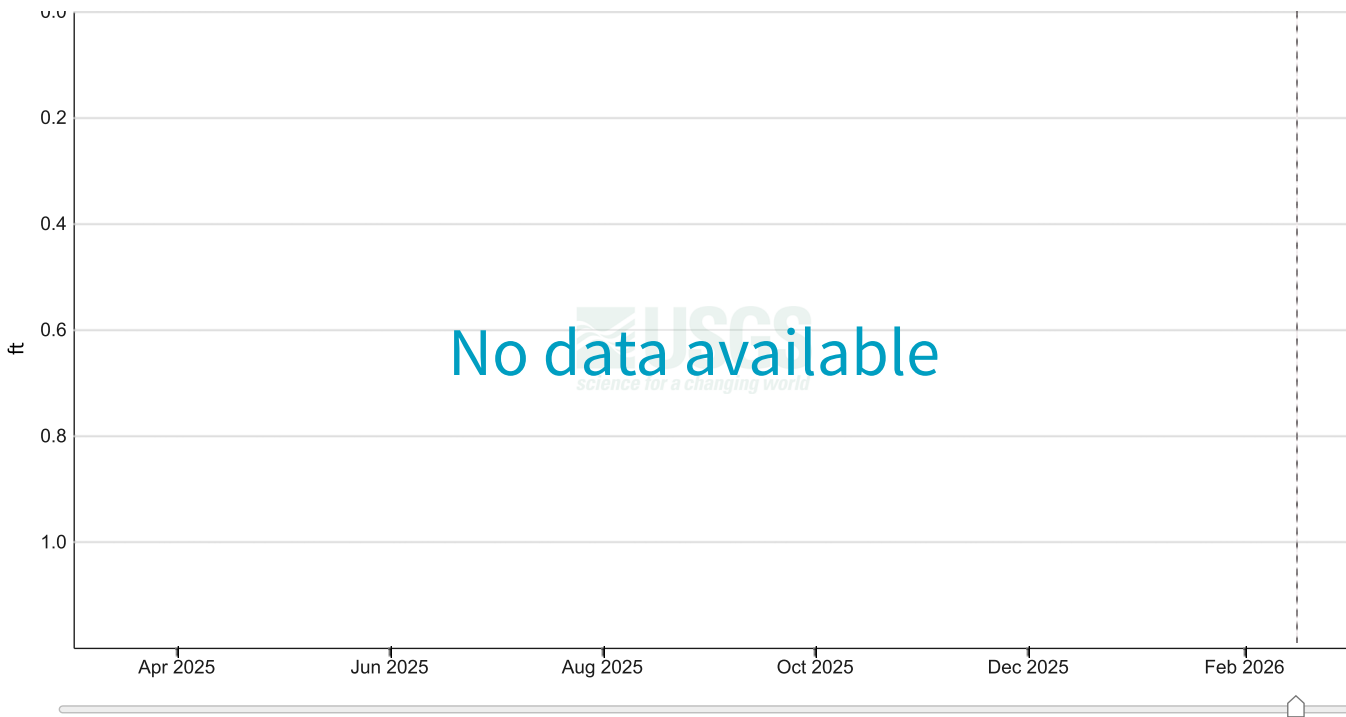
1 year 10 years Period of record

Field measurements

16S.28E.24.22423A - USGS-325448104071801

March 2, 2025 - March 2, 2026

Depth to water level, feet below land surface



IMPORTANT Data may be [provisional](#)

Show legend 

Hide graph details 

Value	Status
Hide graph details ^	

Change time span

Download data

View data records

Questions or Comments

Available data

[Show all data types](#)

Select data types to graph from categories based on the way the data were collected.

[Learn about the data collection categories](#)

Continuous data
0 data types available

Daily data
0 data types available

Field measurements
3 data types available - data from 1986-06-12 to 2015-01-28 [Hide these data types](#)

Field measurements are physically measured values collected during a visit to the monitoring location.
[Learn about Field measurements](#)

	Data type	Data date range
Graphed	Depth to water level, feet below land surface	1986-06-12 2015-01-28
Graph it	Groundwater level above NAVD 1988, feet	1986-06-12 2015-01-28
Graph it	Groundwater level above NGVD 1929, feet	1986-06-12 2015-01-28

[Hide these data types](#)

Discrete sample data
0 observed properties (data types) available

Statistical tables for select daily data types
0 data types available

Location details and information

Hide location details

Metadata Element	Location Metadata	Metadata Code
Agency ⓘ	U.S. Geological Survey	USGS
Location identification number ⓘ	325448104071801	n/a
Location name ⓘ	16S.28E.24.22423A	n/a
Site type ⓘ	Well ⓘ	GW
Decimal latitude	32.9134467448556	n/a
Decimal longitude	-104.122178339225	n/a
Latitude-longitude method ⓘ	Interpolated from map	M
Latitude-longitude accuracy ⓘ	Unknown or unspecified.	U
Latitude-longitude datum ⓘ	North American Datum of 1927	NAD27
District ⓘ	New Mexico	35
State ⓘ	New Mexico	35
County ⓘ	Eddy County	015
Country	United States of America	n/a
Altitude of gage/land surface	3568 feet	n/a
Method altitude determined	Interpolated from topographic map.	M
Altitude accuracy	5 feet	n/a

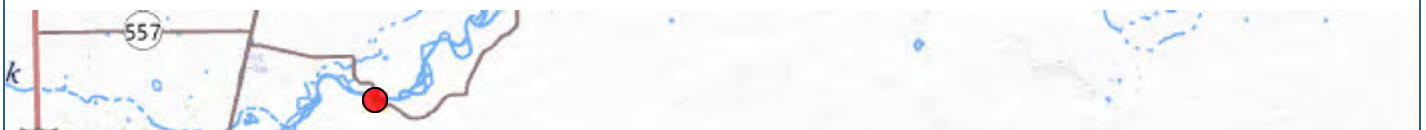
Metadata Element	Location Metadata	Metadata Code
Altitude datum ⓘ	National Geodetic Vertical Datum of 1929	NGVD29
Subbasin hydrologic unit ⓘ	Upper Pecos-Black	13060011
Drainage basin ⓘ		n/a
Date of first construction ⓘ		n/a
Drainage area ⓘ		n/a
Contributing drainage area		n/a
Time zone abbreviation	MST	n/a
Site honors Daylight Saving Time ⓘ	Y	n/a
National aquifer	Other aquifers	N9999OTHER
Local aquifer	Alluvium, Bolson Deposits and Other Surface Deposits	110AVMB
Local aquifer type	Unconfined single aquifer	U
Well depth		n/a
Hole depth ⓘ		n/a
Source of depth data		n/a

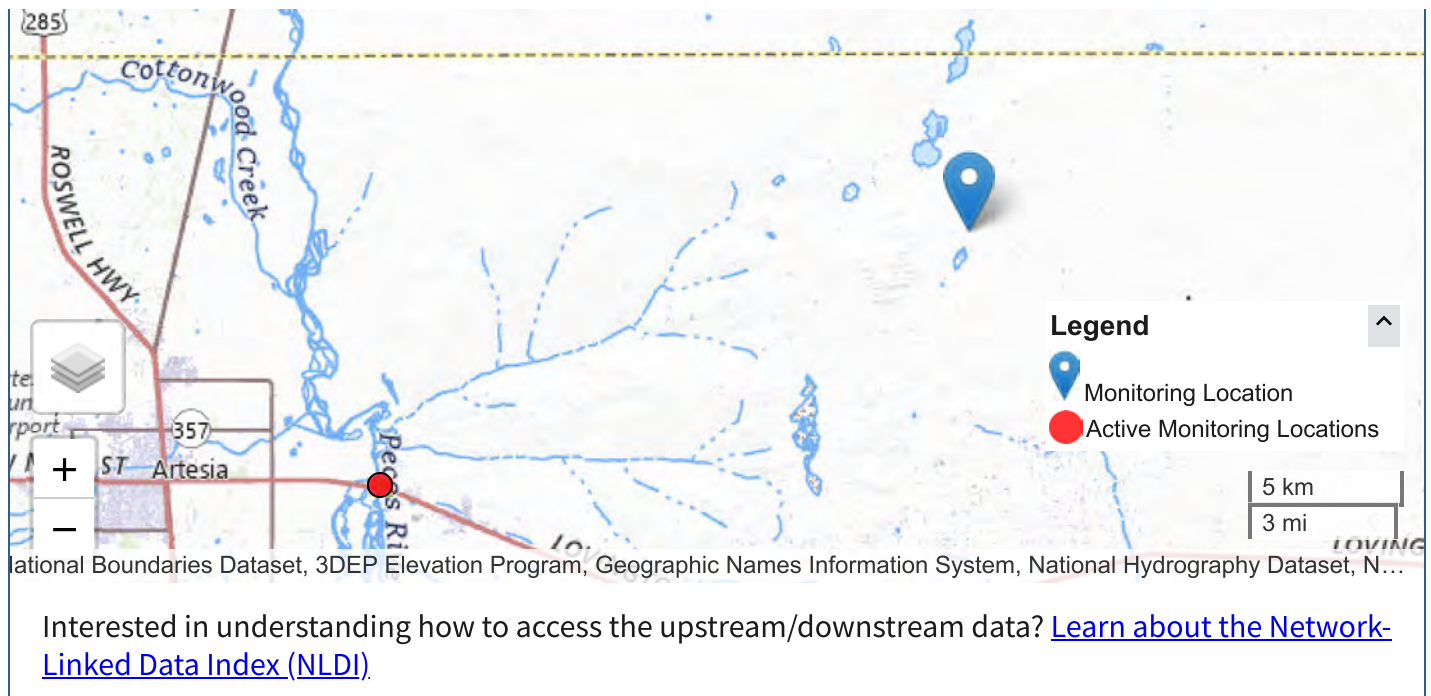
Monitoring locations with continuous data in last 120 days

2 locations found

[View these locations in My Favorites](#)

[Use Explore USGS Water Data to discover additional data near this location](#)





DOI Privacy Policy | Legal | Accessibility | Site Map | Contact USGS




Follow

U.S. Department of the Interior | DOI Inspector General | White House | No Fear Act | FOIA

PERE MARQUETTE CTB

Spur Energy
Eddy County, NM
nAPP2604134557
USGS Map

Legend

-  4.99 miles
-  PERE MARQUETTE CTB
-  USGS-325448104071801

USGS-325448104071801

PERE MARQUETTE CTB

Google Earth

Released to Imaging: 5/7/2026 4:40:00 PM

Image © 2026 Airbus






3 mi

PERE MARQUETTE CTB

Spur Energy
Eddy County, NM
nAPP2604134557
Surface Water Map

Legend

-  0.24 miles
-  PERE MARQUETTE CTB
-  Riverine



Riverine

PERE MARQUETTE CTB





Appendix B

- Soil Survey & Soil Maps
- Geological Data
- FEMA Flood Map
- Wetlands Map

Map Unit Description: Simona gravelly fine sandy loam, 0 to 3 percent slopes---Eddy Area,
New Mexico

Eddy Area, New Mexico

SG—Simona gravelly fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5w
Landscape: Uplands
Elevation: 2,750 to 5,000 feet
Mean annual precipitation: 8 to 16 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landscape: Uplands
Landform: Alluvial fans, Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam
H2 - 19 to 23 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 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: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Map Unit Description: Simona gravelly fine sandy loam, 0 to 3 percent slopes---Eddy Area,
New Mexico

Hydrologic Soil Group: D
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 4 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Playa

Percent of map unit: 1 percent
Landscape: Alluvial plains
Landform: Playas
Landform position (three-dimensional): Talf
Down-slope shape: Convex, concave
Across-slope shape: Linear, concave
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: Yes

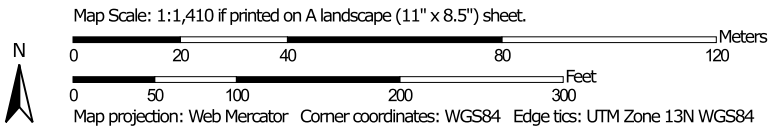
Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 21, Sep 9, 2025

Soil Map—Eddy Area, New Mexico




Soil Map may not be valid at this scale.




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 21, Sep 9, 2025

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

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

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
SG	Simona gravelly fine sandy loam, 0 to 3 percent slopes	9.4	100.0%
Totals for Area of Interest		9.4	100.0%

(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)

/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)

/ New Mexico (/geology/state/state.php?state=NM)

Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region

XML (/geology/state/xml/NMQoa;0)

JSON (/geology/state/json/NMQoa;0)

Shapefile (/geology/state/unit-shape.php?unit=NMQoa;0)

Includes scattered lacustrine, playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blanco, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of Quaternary deposits.

State	New Mexico (/geology/state/state.php?state=NM)
Name	Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region
Geologic age	Middle to lower Pleistocene
Lithologic constituents	Major Unconsolidated (Alluvial, Lacustrine, Eolian) Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region

References

Green, G.N., Jones, G.E., and Anderson, O.J., 1997, The Digital Geologic Map of New Mexico in ARC/INFO Format: U.S. Geological Survey Open-File Report 97-0052, 9 p., scale 1:500,000.

<https://pubs.er.usgs.gov/publication/ofr9752>

(<https://pubs.er.usgs.gov/publication/ofr9752>)

NGMDB product	NGMDB product page for 59219 (https://ngmdb.usgs.gov/Prodesc/proddesc_59219.htm) NGMDB product page for 22974 (https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)
----------------------	--

Counties Bernalillo (/geology/state/fips-unit.php?code=f35001) - Catron (/geology/state/fips-unit.php?code=f35003) - Chaves (/geology/state/fips-unit.php?code=f35005) - Colfax (/geology/state/fips-unit.php?code=f35007) - Curry (/geology/state/fips-unit.php?code=f35009) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Grant (/geology/state/fips-unit.php?code=f35017) - Guadalupe (/geology/state/fips-unit.php?code=f35019) - Harding (/geology/state/fips-unit.php?code=f35021) - Lea (/geology/state/fips-unit.php?code=f35025) - Lincoln (/geology/state/fips-unit.php?code=f35027) - Luna (/geology/state/fips-unit.php?code=f35029) - Mora (/geology/state/fips-unit.php?code=f35033) - Quay (/geology/state/fips-unit.php?code=f35037) - Roosevelt (/geology/state/fips-unit.php?code=f35041) - Santa Fe (/geology/state/fips-unit.php?code=f35049) - Socorro (/geology/state/fips-unit.php?code=f35053) - Torrance (/geology/state/fips-unit.php?code=f35057) - Valencia (/geology/state/fips-unit.php?code=f35061)

[DOI Privacy Policy \(https://www.doi.gov/privacy\)](https://www.doi.gov/privacy) | [Legal \(https://www.usgs.gov/laws/policies_notices.html\)](https://www.usgs.gov/laws/policies_notices.html) |

[Accessibility \(https://www2.usgs.gov/laws/accessibility.html\)](https://www2.usgs.gov/laws/accessibility.html) | [Site Map \(https://www.usgs.gov/sitemap.html\)](https://www.usgs.gov/sitemap.html) |

[Contact USGS \(https://answers.usgs.gov/\)](https://answers.usgs.gov/)


[U.S. Department of the Interior \(https://www.doi.gov/\)](https://www.doi.gov/) | [DOI Inspector General \(https://www.doi.gov/inspector-general\)](https://www.doi.gov/inspector-general) |

[White House \(https://www.whitehouse.gov/\)](https://www.whitehouse.gov/) | [E-gov \(https://www.whitehouse.gov/omb/management/egov/\)](https://www.whitehouse.gov/omb/management/egov/) |




[No Fear Act \(https://www.doi.gov/pmb/eo/no-fear-act\)](https://www.doi.gov/pmb/eo/no-fear-act) | [FOIA \(https://www2.usgs.gov/foia\)](https://www2.usgs.gov/foia)

PERE MARQUETTE CTB

Spur Energy
Eddy County, NM
nAPP2604134557
Geological Map

 PERE MARQUETTE CTB

Legend

-  Eolian and piedmont deposits
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region
-  PERE MARQUETTE CTB



National Flood Hazard Layer FIRMette



104°7'32"W 32°50'43"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone X</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
OTHER AREAS		Area of Undetermined Flood Hazard <i>Zone D</i>
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 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

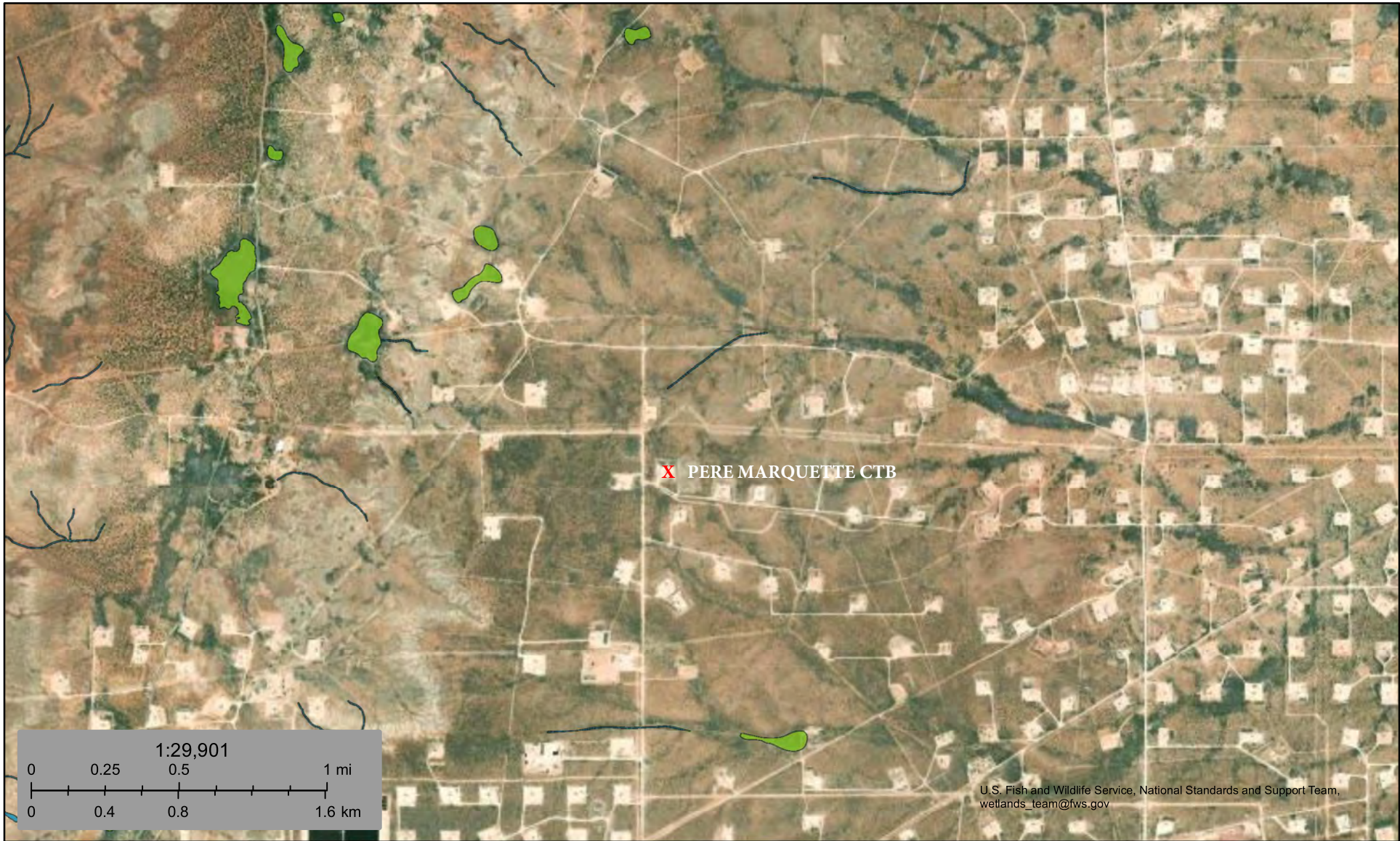
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **2/10/2026 at 5:20 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 5/7/2026 4:40:00 PM

Received by OCD: 4/20/2026 11:07:01 AM

Page 34 of 48



February 10, 2026

Wetlands

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



Appendix C

- 48-Hour Notification
- Liner Inspection Form

Sebastian@pimaoil.com

From: OCDOnline@emnrd.nm.gov
Sent: Sunday, February 15, 2026 7:24 PM
To: sebastian@pimaoil.com
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 554109

To whom it may concern (c/o Sebastian Orozco for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for Liner Inspection for a Release* (C-141L), for incident ID (n#) nAPP2604134557.

The liner inspection is expected to take place:

When: 02/18/2026 @ 11:00

Where: D-18-17S-29E Lot: L 0 FNL 0 FEL (32.84101,-104.12032)

Additional Information: Pima Environmental Services
619-721-4813

Additional Instructions: 32.84101,-104.12032

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, liner inspection pursuant to 19.15.29.11.A(5)(a) NMAC is required. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



Pima Environmental Services, LLC

Liner Inspection Form

Company Name: Spur Energy

Site: PERE MARQUETTE CTB

Lat/Long: 32.84101,-104.12032

NMOCD Incident ID & Incident Date: nAPP2604134557 02/08/2026

2-Day Notification Sent: via OCD portal 02/15/2026

Inspection Date: 02/18/2026

Liner Type: Earthen w/liner Earthen no liner Polystar
 Steel w/poly liner Steel w/spray epoxy No Liner

Other: _____

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?	X		Standing fluid is visible inside the lined containment due to power washing efforts.
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Andrew Franco Inspector Signature: Andrew Franco



Appendix D

- Photographic Documentation



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Pere Marquette CTB

Pre- Powerwash :



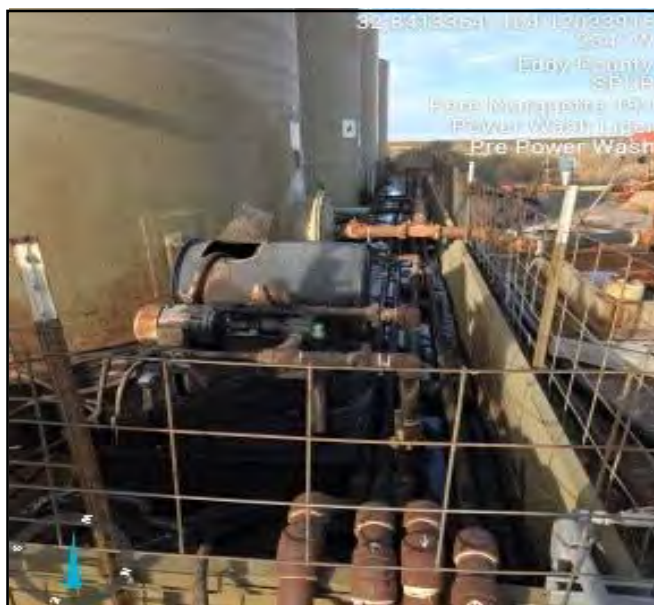
Site information sign.



Photograph taken pre-powerwash facing east.



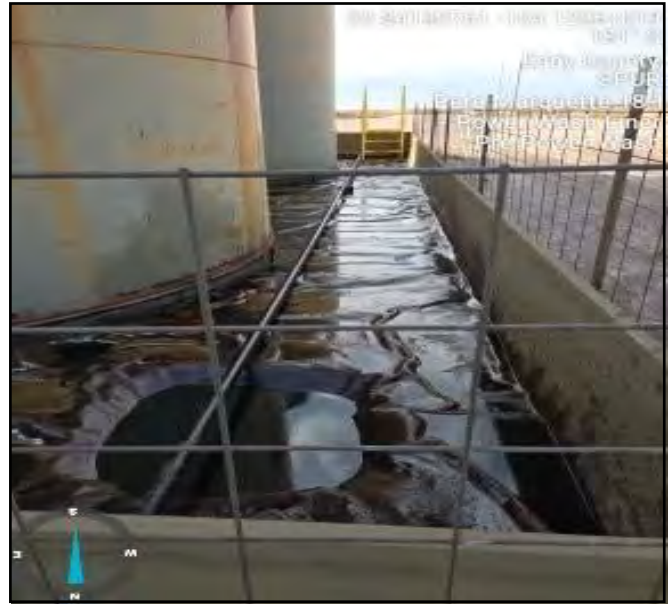
Photograph taken pre-powerwash facing northwest.



Photograph taken pre-powerwash facing west.



Photograph taken pre-powerwash facing northeast.



Photograph taken pre-powerwash facing south.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Pere Marquette CTB

Liner Inspection :



Photograph taken during liner inspection facing northeast.



Photograph taken during liner inspection facing northwest.



Photograph taken during liner inspection facing southeast.



Photograph taken during liner inspection facing east.

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 580749

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 580749
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2604134557
Incident Name	NAPP2604134557 PERE MARQUETTE CTB @ D-18-17S-29E
Incident Type	Release Other
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	PERE MARQUETTE CTB
Date Release Discovered	02/08/2026
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Pump Crude Oil Released: 1 BBL Recovered: 1 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 9 BBL Recovered: 9 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	WTP FAILED TO START RELEASING OIL AND PW INTO LINED CONTAINMENT

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, Page 2

Action 580749

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 580749
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/30/2026
--	---

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, Page 3

Action 580749

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 580749
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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	Yes
<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	02/17/2026
On what date will (or did) the final sampling or liner inspection occur	02/18/2026
On what date will (or was) the remediation complete(d)	02/18/2026
What is the estimated surface area (in square feet) that will be remediated	3800
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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, Page 4

Action 580749

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 580749
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	No
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/30/2026
<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>	

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, Page 6

Action 580749

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 580749
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	554109
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	02/18/2026
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	3800

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	Yes
What was the total surface area (in square feet) remediated	3800
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	THE LINED CONTAINMENT WAS POWERWASHED, AND ALL STANDING FLUIDS WERE REMOVED USING A VACUUM TRUCK. FOLLOWING REMEDIATION, A LINER INSPECTION WAS CONDUCTED, CONFIRMING THAT THE CONTAINMENT LINER REMAINED INTACT AND MAINTAINED ITS INTEGRITY.

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 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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 04/30/2026
--	---

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 580749

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 580749
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Liner inspection and closure approved.	5/7/2026