



Bluetail 8 Fed 2 TB

Incident ID NAPP2503539371

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR:
Spur Energy

Liner Inspection and Closure Report

September 16, 2026

FACILITY NAME	BLUETAIL 8 FED 2 TB
DATE OF RELEASE	2/3/2025
INCIDENT NO.	nAPP2503539371



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 100 and 500 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 surface areas?	
Distance to Watercourse A continuously flowing watercourse or any other significant watercourse?	Between 500 and 1000 ft.
Distance to Lakebed Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 1000 ft and 1/2 mi.
Distance to Public An occupied permanent residence, school, hospital, institution, or church?	Between 1 mi. and 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?	Between 1/2 mi. and 1 mi.
Distance to Wetland A wetland?	Between 500 and 1000 ft.
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?	High
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 SM4500 Cl B?)
Chloride	0
Constituent Chloride (mg/kg)	(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 completed 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?	7/7/2026
Start of Sampling or Liner Inspection On what date will (or did) the final sampling or liner inspection occur?	7/10/2026
Finish of Remediation On what date will (or was) the remediation complete(d)?	7/11/2026
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 area (in sq ft) that will be remediated?	10,000
Volume (cu yd) To Be Remediated What is the estimated volume (in cubic yds) that will be remediated?	25
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)?	Yes
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, Disking, 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

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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?	10,000
Total Volume (cu yd) Remediated What was the total volume (cubic yards) remediated?	25
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 remediation activities not included by answers (above).	The impacted gravel was remove. Following remediation, a liner inspection was conducted, confirming that the containment liner maintained its integrity.



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

September 16, 2026

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

RE: Liner Inspection and Closure Report
Bluetail 8 Fed 2 TB
GPS: Latitude 32.8519 Longitude -104.102701
UL-E, Section 08, Township 17S, Range 29E
NMOCD Reference No. nAPP2503539371

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 that occurred at the Bluetail 8 Fed 2 TB (Site). The release was discovered on February 3, 2025, and was initially assigned Incident ID nAPP2503539371 by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The site is located approximately 7.57 miles north of Loco Hills, NM. This spill site is in Unit E, Section 8, Township 17S, Range 29E, Latitude 32.851901 Longitude -104.102701, Eddy County, NM. A Location Map can be found in Figure 1.

Based on a review of well records maintained by the New Mexico Office of the State Engineer (NMOSE), there are no known water wells within half a mile of the site. Additionally, a review of United States Geological Survey (USGS) records identified no known water wells in the immediate vicinity of the site. Water well survey results and associated maps are provided in Appendix A. The site is located within an area classified as having a high karst potential, as depicted in Figure 3. A topographic map illustrating site conditions and surrounding features is provided in Figure 2.

Release Information

nAPP2503539371: On February 3, 2025, a diaphragm failure in the Murphy switch caused the release of approximately 43 barrels of produced water into the lined containment. Spur personnel immediately initiated response and recovery actions to minimize the duration and extent of the release. Vacuum truck operations were mobilized, and all but 1 barrel of produced water were successfully recovered from within the containment area. It was estimated that the 1 bbls could not be fully recovered due to gravel in the containment.

Following the completion of recovery activities, the lined secondary containment was visually evaluated for evidence of fluid migration beyond the containment system. No evidence of fluid migration outside of the lined containment was observed. Based on field observations, the secondary containment functioned as designed and effectively contained the released fluids, preventing impacts to surrounding soils and areas outside of the containment. Therefore, no environmental impacts were observed beyond the lined secondary containment. A site map depicting the release location is provided in Figure 4.

Site Assessment and Liner Inspection

On July 7, 2026, Spur personnel submitted a 48-Hour Notification of Liner Inspection in accordance with applicable notification requirements. Documentation of the 48-hour notification is provided in Appendix C.

From July 7 through July 10, 2026, Pima Environmental Services, LLC (Pima) deployed a hand crew to remove impacted gravel from within the lined secondary containment. Approximately 25 cubic yards of impacted containment gravel were excavated and removed from the Site for proper disposal.

On July 10, 2026, Pima personnel conducted a detailed inspection of the exposed liner to evaluate its condition and integrity. The liner was inspected for evidence of tears, punctures, seam failures, or other deficiencies that could compromise containment performance. The inspection confirmed that the liner remained intact and functioned as designed, successfully containing the released fluids within the lined secondary containment. No evidence of fluid migration beyond the containment system was observed.

Based on the results of the liner inspection and field observations, the containment system was determined to have maintained its integrity throughout the release and effectively prevented impacts to surrounding soils and areas outside of the containment. Documentation of the notification and liner inspection activities, including photographic evidence, is provided in Appendices C and D.

Closure Request

After careful review, Pima requests that this incident nAPP2503539371 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

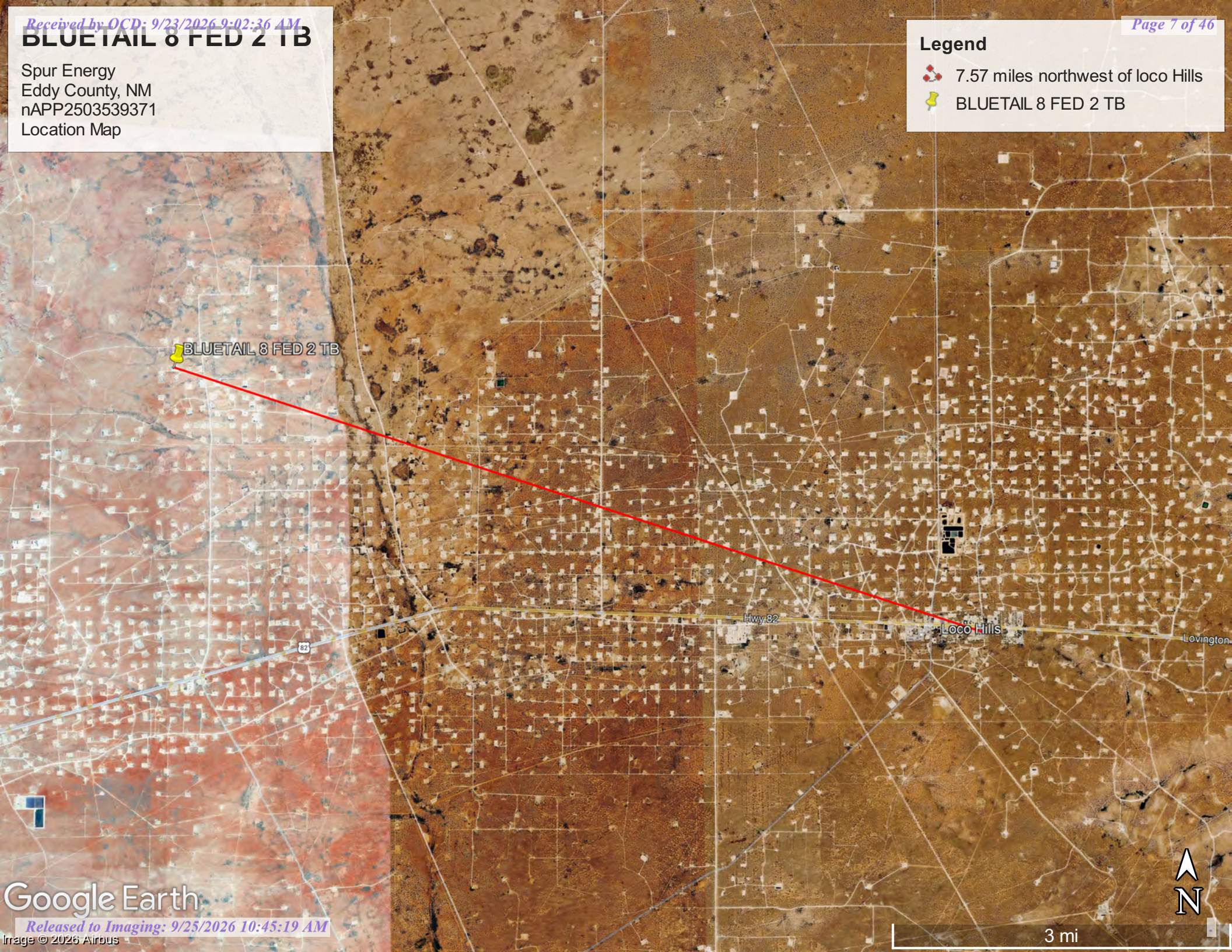
Figure 4- Site Map

BLUETAIL 8 FED 2 TB

Spur Energy
Eddy County, NM
nAPP2503539371
Location Map

Legend

-  7.57 miles northwest of loco Hills
-  BLUETAIL 8 FED 2 TB



Google Earth

Legend

 BLUETAIL 8 FED 2 TB



BLUETAIL 8 FED 2 TB

Spur Energy
Eddy County, NM
nAPP2503539371
Karst Map

Legend

-  BLUETAIL 8 FED 2 TB
-  High Karst
-  Low Karst
-  Medium Karst

BLUETAIL 8 FED 2 TB



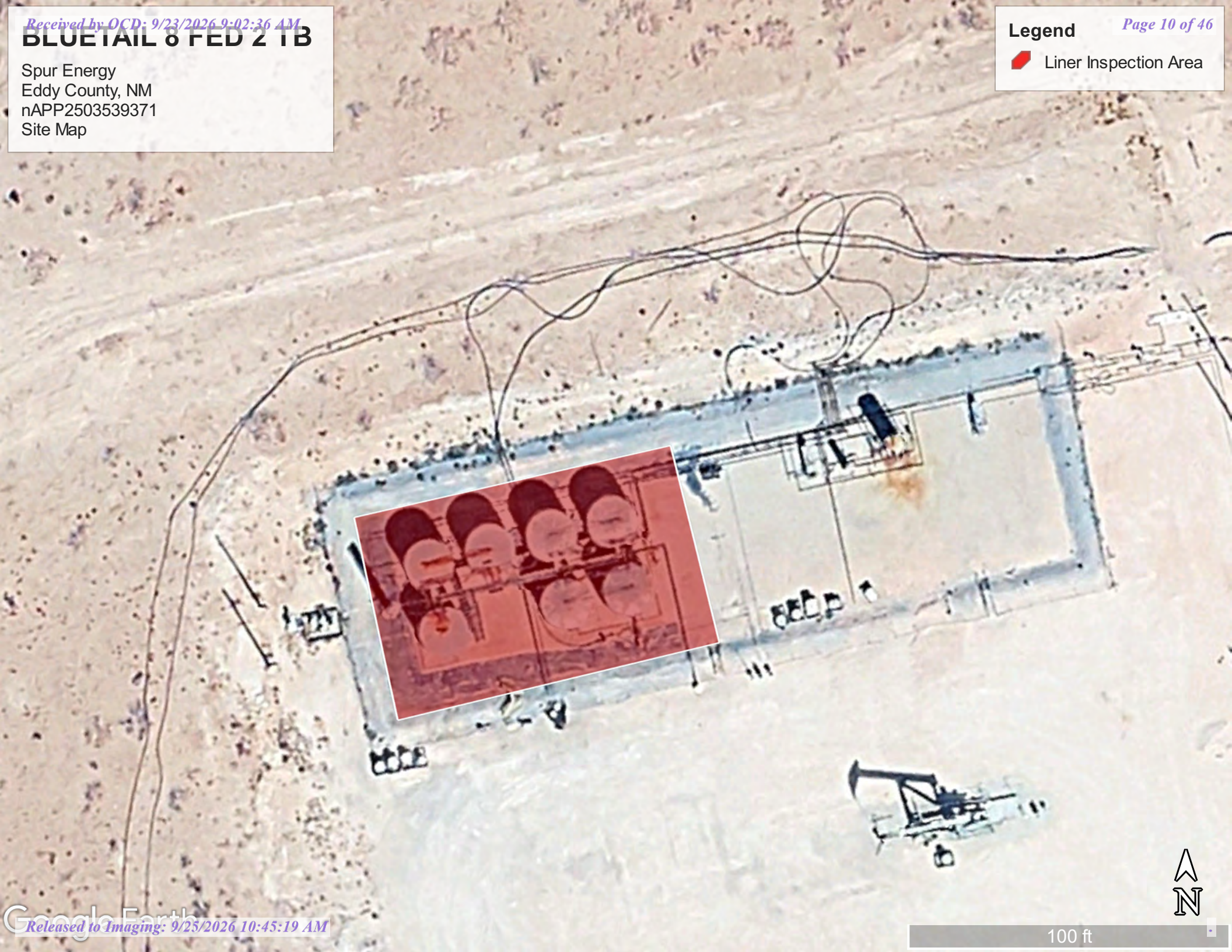
1 mi

BLUETAIL 8 FED 2 TB

Spur Energy
Eddy County, NM
nAPP2503539371
Site Map

Legend

 Liner Inspection Area



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	Tw	Rng	X	Y	Map
NA	RA 13724 POD1	SE	SE	SW	09	17S	29E	586002.6	3634236.8	

* UTM location was derived from PLSS - see Help

Driller License:	1862	Driller Company:	H&R ENTERPRISES, LLC
Driller Name:	JAMES HAWLEY		
Drill Start Date:	2026-07-09	Drill Finish Date:	2026-07-09
Plug Date:	2026-07-13		
Log File Date:	2026-07-27	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:	
Casing Size:	Depth Well:	105	Depth Water:

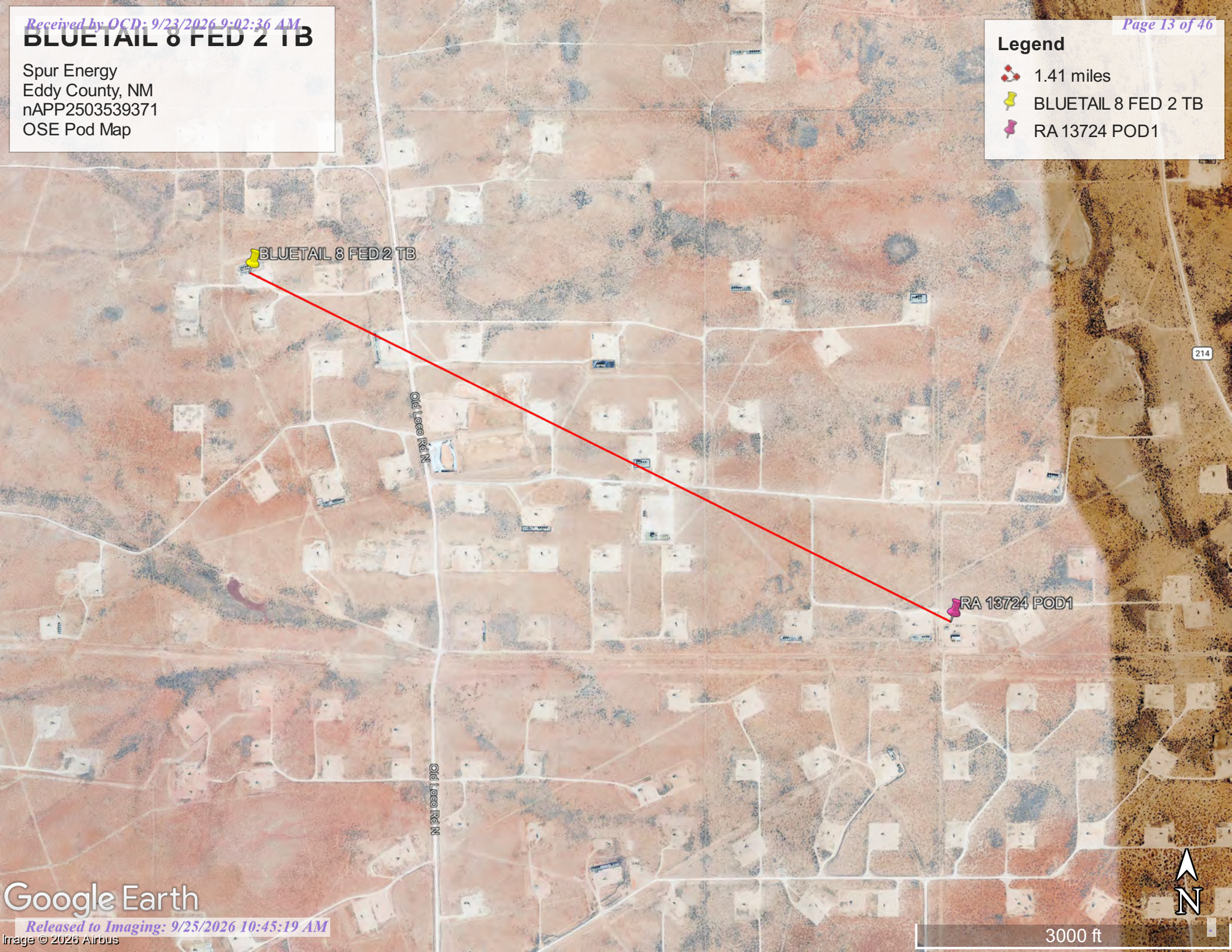
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

BLUETAIL 8 FED 2 TB

Spur Energy
Eddy County, NM
nAPP2503539371
OSE Pod Map

Legend

-  1.41 miles
-  BLUETAIL 8 FED 2 TB
-  RA 13724 POD1



Google Earth



Monitoring location

17S.28E.22.34242 - USGS-324855104093101

Important for you to know:



- How are we doing? We want to hear from you. Take our quick [survey](#) to tell us what you think.

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

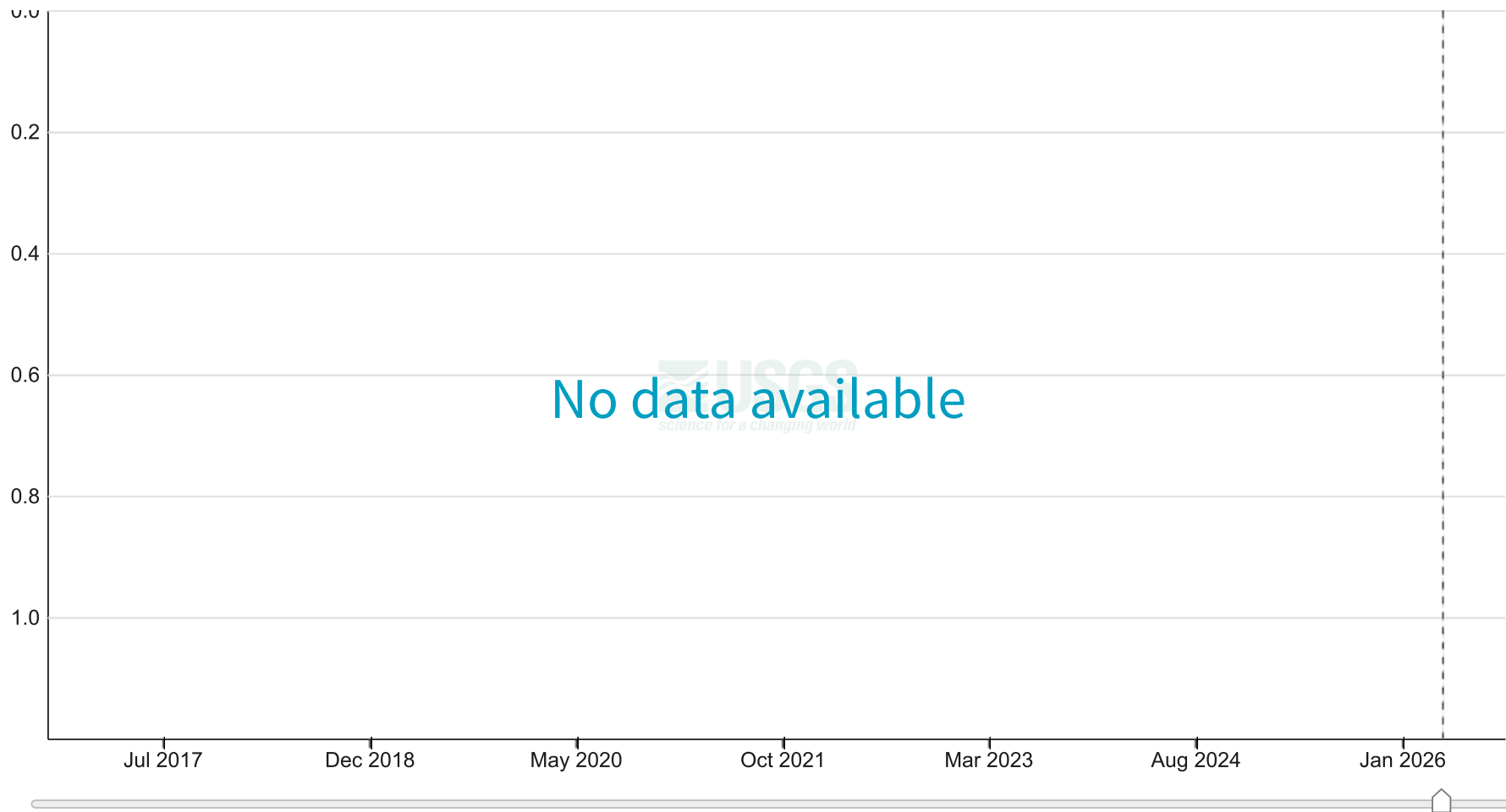
Scale Linear

[Log](#)

Field measurements

17S.28E.22.34242 - USGS-324855104093101

September 15, 2016 - September 15, 2026
Depth to water level, feet below land surface



Show legend ▾

Hide graph details ▲

Value

Status

Hide graph details ▲

Questions or Comments

Change
time span

Download
data

View
tabular data

Available data

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

Expand all data collections

Continuous data

0 data types available

Daily data

0 data types available

Field measurements

3 data types available - data from 1986-05-20 to 1999-01-13

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	1986-05-20 1999-01-13
Graph it	Groundwater level above NAVD 1988, feet	1986-05-20 1999-01-13
Graph it	Groundwater level above NGVD 1929, feet	1986-05-20 1999-01-13

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

No location manuscript information is currently available for this location.

Metadata Element	Location Metadata	Metadata Code
Agency ⓘ	U.S. Geological Survey	USGS
Location identification number ⓘ	324855104093101	n/a
Location name ⓘ	17S.28E.22.34242	n/a
Site type ⓘ	Well ⓘ	GW
Decimal latitude (WGS84)	32.8153926547887	n/a
Decimal longitude (WGS84)	-104.159122691637	n/a
Latitude-longitude method ⓘ	Interpolated from MAP.	M
Latitude-longitude accuracy ⓘ	Unknown or unspecified.	U
District ⓘ	New Mexico	35

Metadata Element	Location Metadata	Metadata Code
State ⓘ	New Mexico	35
County ⓘ	Eddy County	015
Country	United States of America	n/a
Altitude of gage/land surface	3578 feet	n/a
Method altitude determined	Interpolated from topographic map.	M
Altitude accuracy	5 feet	n/a
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

Metadata Element	Location Metadata	Metadata Code
Local aquifer type		n/a
Well depth	95 feet	n/a
Hole depth ⓘ		n/a
Source of depth data	A	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](#)



Leaflet | USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National...

Interested in understanding how to access the upstream/downstream data? [Learn about the Network-Linked Data Index \(NLDI\)](#).

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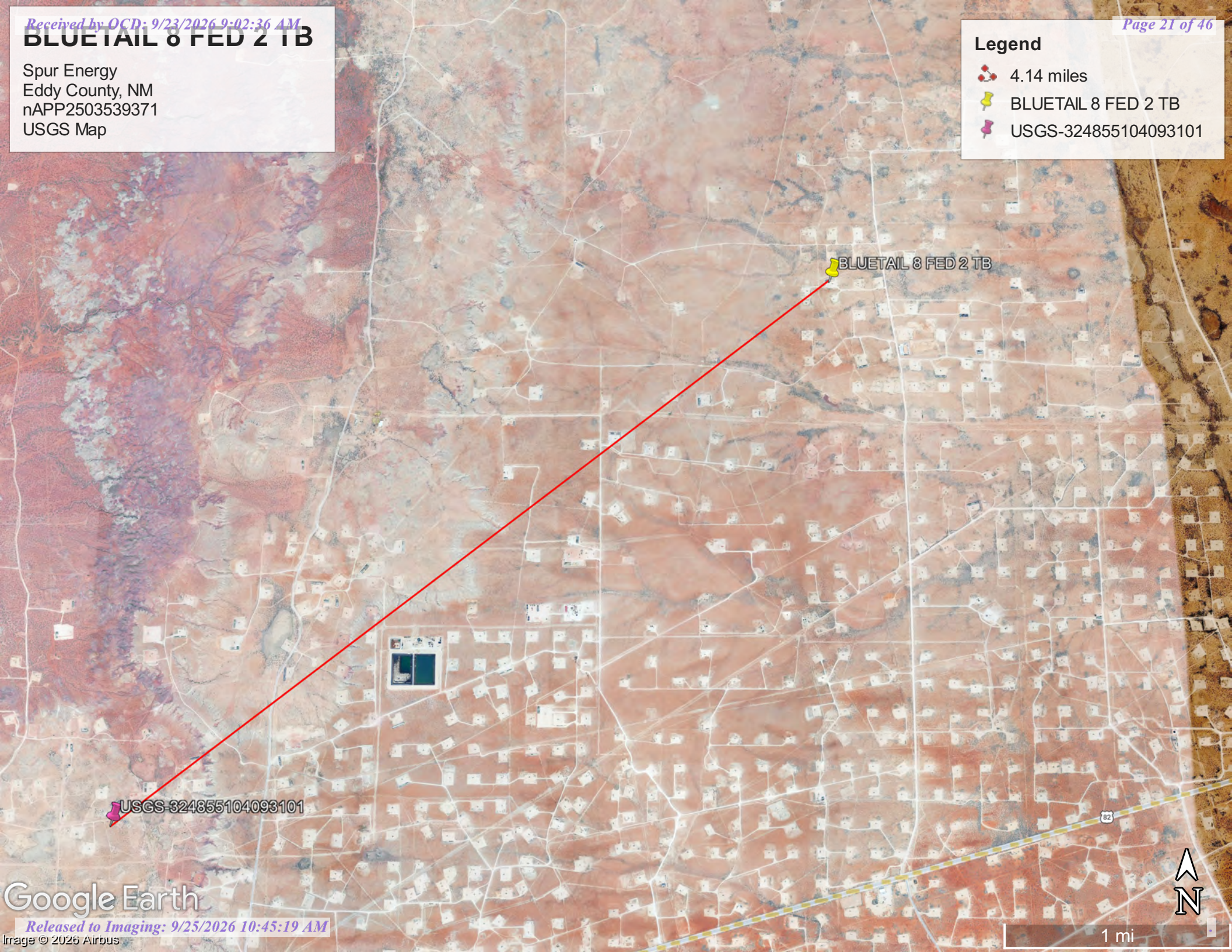
[U.S. Department of the Interior](#) | [DOI Inspector General](#) | [White House](#) | [No Fear Act](#) | [FOIA](#)

BLUETAIL 8 FED 2 TB

Spur Energy
Eddy County, NM
nAPP2503539371
USGS Map

Legend

-  4.14 miles
-  BLUETAIL 8 FED 2 TB
-  USGS-324855104093101



Google Earth

Appendix B

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

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KT—Kimbrough-Stegall loams, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4t

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

Kimbrough and similar soils: 70 percent

Stegall and similar soils: 25 percent

Minor components: 5 percent

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

Description of Kimbrough

Setting

Landscape: Uplands

Landform: Alluvial fans, Valley plains

Landform position (three-dimensional): Talf, rise

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 3 inches: loam

H2 - 3 to 9 inches: loam

H3 - 9 to 60 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 8 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 1.3 inches)

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Description of Stegall**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 5 inches: loam

H2 - 5 to 28 inches: clay loam

H3 - 28 to 32 inches: indurated

H4 - 32 to 60 inches: variable

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 90 percent

Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components**Simona**

Percent of map unit: 5 percent

Ecological site: R070BD002NM - Shallow Sandy

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 21, Sep 9, 2025

Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/15/2026
Page 1 of 3

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: Mar 22, 2025—Apr 12, 2025

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
KT	Kimbrough-Stegall loams, 0 to 3 percent slopes	4.7	100.0%
Totals for Area of Interest		4.7	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)

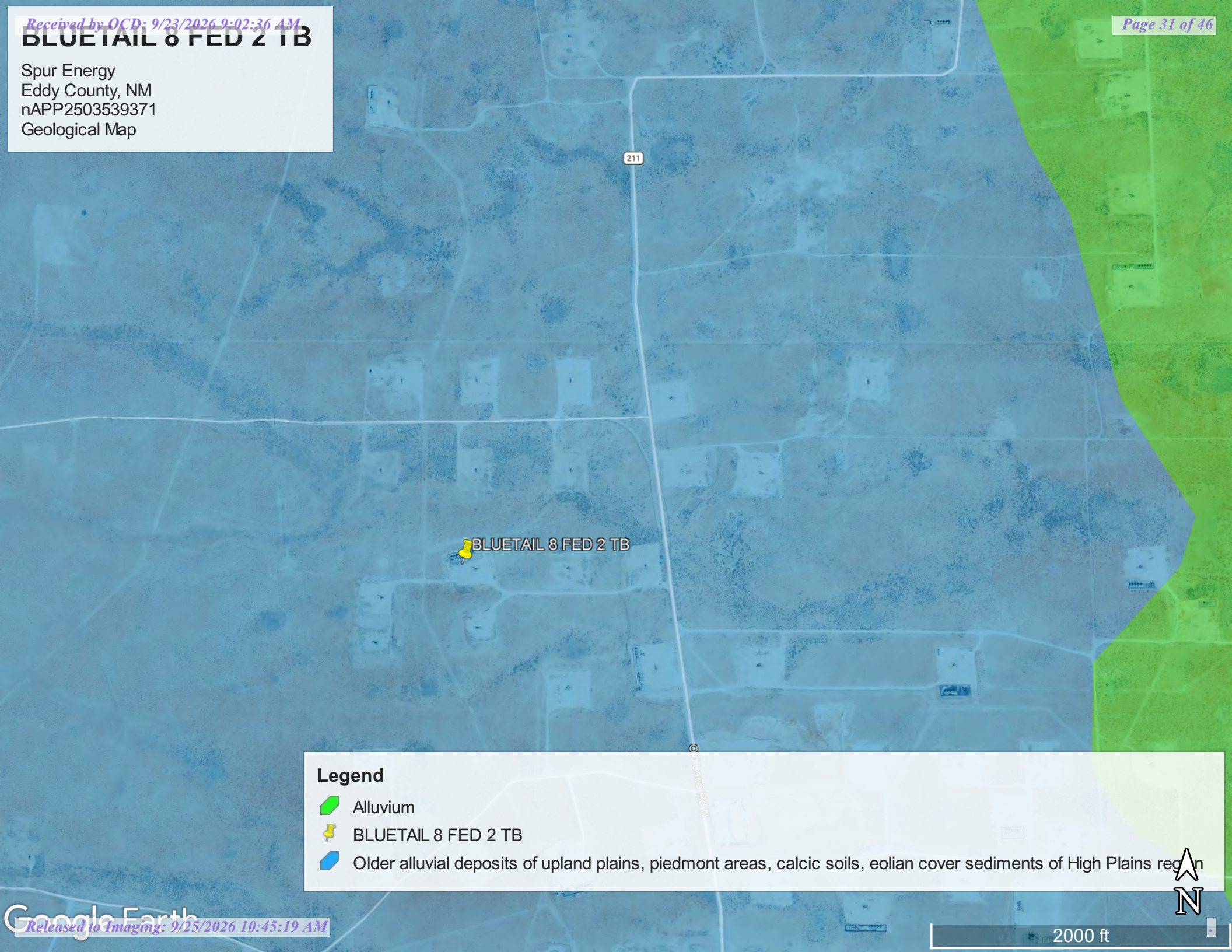
NGMDB product	NGMDB product page for 59219 https://ngmdb.usgs.gov/Prodesc/proddesc_59219.htm) NGMDB product page for 22974 https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm)
Counties	Bernalillo (/geology/state/fips-unit.php?code=f35001) - Catron (/geology/state/fips-unit.php?code=f35003) - Chaves (/geology/state/fips-unit.php?code=f35005) - 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>) | Legal (https://www.usgs.gov/laws/policies_notices.html) | Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) | Contact USGS (<https://answers.usgs.gov/>)

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BLUETAIL 8 FED 2 TB

Spur Energy
Eddy County, NM
nAPP2503539371
Geological Map



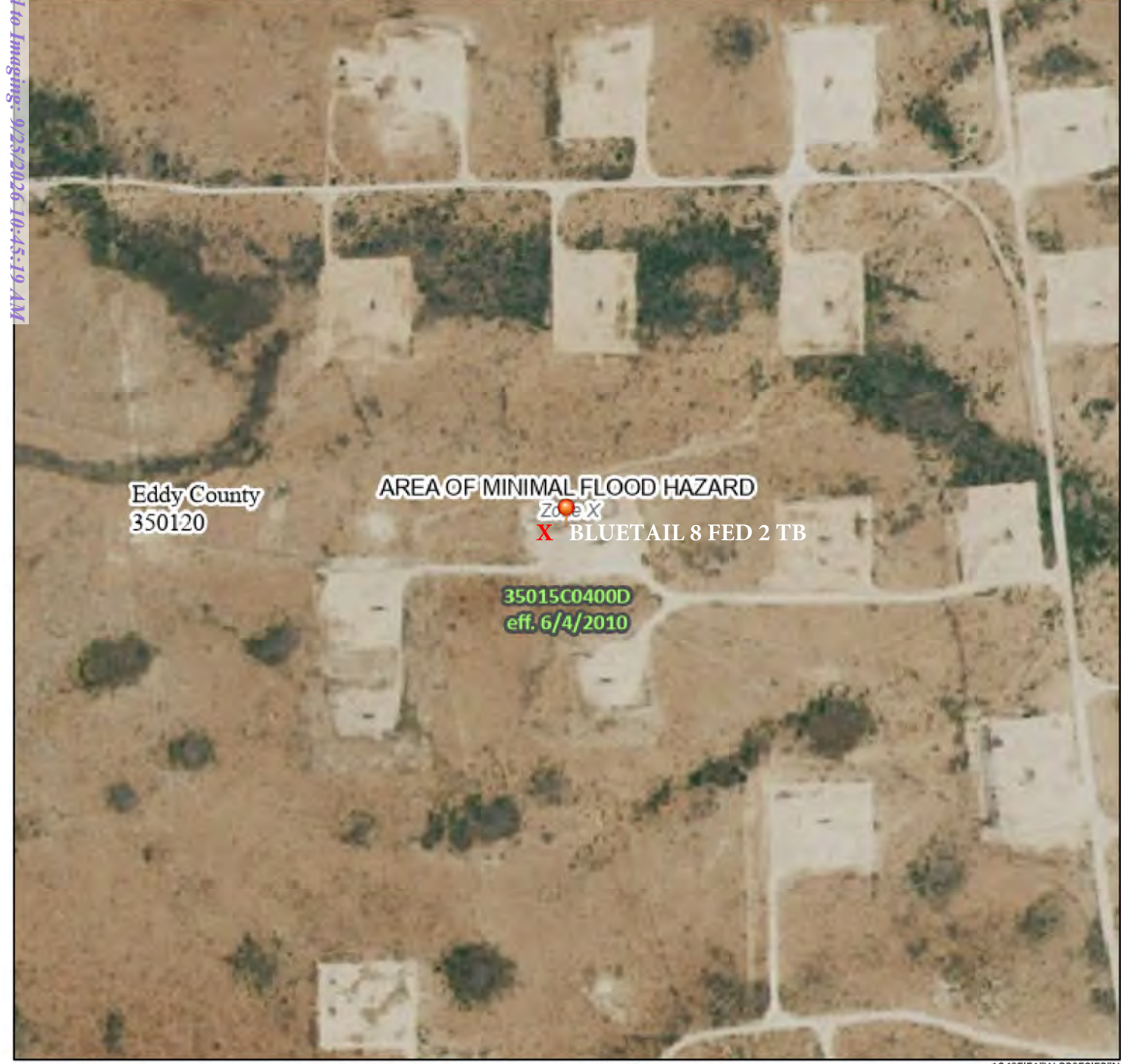
Legend

-  Alluvium
-  BLUETAIL 8 FED 2 TB
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region

National Flood Hazard Layer FIRMette



104°6'28"W 32°51'22"N



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

1:6,000

104°5'51"W 32°50'52"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone B
		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
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
MAP PANELS		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 9/15/2026 at 8:12 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

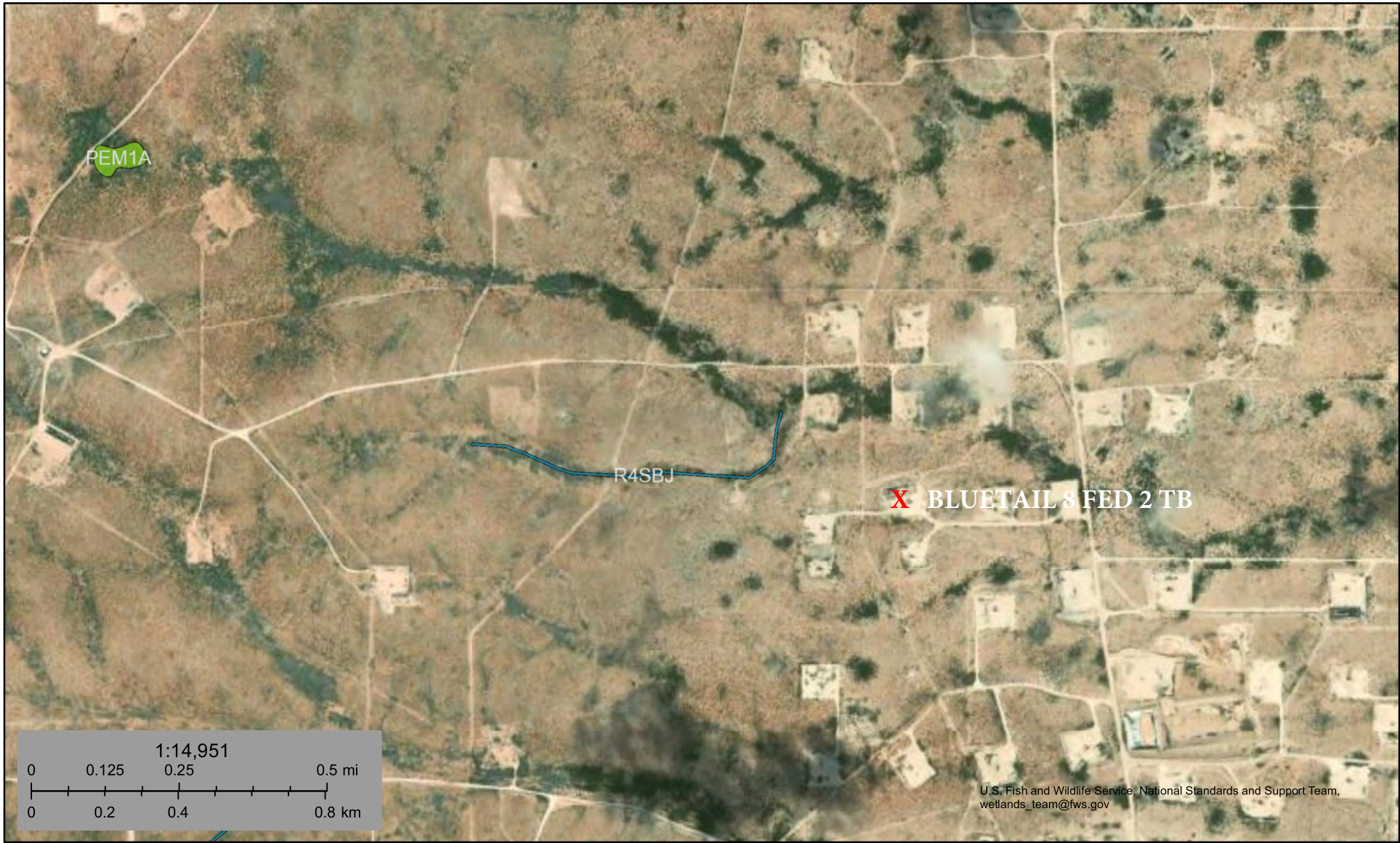
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Released to Imaging: 9/23/2026 10:45:19 AM

Received by OCD: 9/23/2026 9:02:36 AM

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Wetlands



September 15, 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: Tuesday, July 7, 2026 7:24 AM
To: sebastian@pimaoil.com
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 602382

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#) nAPP2503539371.

The liner inspection is expected to take place:

When: 07/10/2026 @ 08:00

Where: E-08-17S-29E 0 FNL 0 FEL (32.851901,-104.102701)

Additional Information: Pima Environmental Services
619-721-4813

Additional Instructions: 32.8519,-104.1027

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 FormCompany Name: Spur EnergySite: BLUETAIL 8 FED 2 TBLat/Long: 32.851901,-104.102701NMOCD Incident ID
& Incident Date: nAPP2503539371 02/03/20252-Day Notification
Sent: via OCD portal 07/07/2026Inspection Date: 07/10/2026

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	
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Marlon Garcia Inspector Signature: Marlon Garcia



Appendix D

○ Photographic Documentation



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Bluetail 8 Fed #2

Liner Inspection :



Site information sign.



Photograph taken during liner inspection facing northeast.



Photograph taken during liner inspection facing southeast.



Photograph taken during liner inspection facing southeast.



Photograph taken during liner inspection facing south.



Photograph taken during liner inspection facing southwest.



Photograph taken during liner inspection facing northwest.



Photograph taken during liner inspection facing northeast.



Photograph taken during liner inspection facing north.



Photograph taken during liner inspection facing southwest.



Aerial photo taken during liner inspection.



Aerial photo taken during liner inspection.

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 627164

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 627164
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2503539371
Incident Name	NAPP2503539371 BLUETAIL 8 FED 2 TB @ E-08-17S-29E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	BLUETAIL 8 FED 2 TB
Date Release Discovered	02/03/2025
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: High Line Pressure Other (Specify) Produced Water Released: 43 BBL Recovered: 42 BBL Lost: 1 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)	DIAPHRAGM IN THE MURPHY SWITCH FAILED CAUSING A RELEASE OF PW INTO LINED CONTAINMENT

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QUESTIONS, Page 2

Action 627164

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 627164
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	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: 09/23/2026
--	--

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QUESTIONS, Page 3

Action 627164

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 627164
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<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 100 and 500 (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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 500 and 1000 (ft.)
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	High
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	
<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	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	07/07/2026
On what date will (or did) the final sampling or liner inspection occur	07/10/2026
On what date will (or was) the remediation complete(d)	07/11/2026
What is the estimated surface area (in square feet) that will be remediated	10000
What is the estimated volume (in cubic yards) that will be remediated	25
<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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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 627164

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 627164
	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	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	No
OTHER (Non-listed remedial process)	<i>Not answered.</i>
<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: 09/23/2026
<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>	

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QUESTIONS, Page 6

Action 627164

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 627164
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	602382
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	07/10/2026
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	10000

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	10000
What was the total volume (cubic yards) remediated	25
Summarize any additional remediation activities not included by answers (above)	IMPACTED GRAVEL WAS REMOVED AS MUCH AS POSSIBLE WITHOUT DAMAGING THE LINER. A LINER INSPECTION AND VISUAL INSPECTION OF SURROUNDING AREAS CONFIRMED THAT THE LINER MAINTAINED ITS INTEGRITY AND CONTAINED THE FLUIDS.
<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: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 09/23/2026

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Santa Fe, NM 87505

CONDITIONS

Action 627164

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 627164
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/25/2026