State of New Mexico
Oil Conservation Division

Incident ID	NAPP2206346222
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: David Cain Title: Engineering Technologist & Regulatory Specialist

Signature: David Cain Date: 6/20/2023

email: david.cain@longfellowenergy.com Telephone: 972-590-9918

OCD Only

Received by: Shelly Wells Date: 6/22/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Date:

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAPP2206346222
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Longfellow Energy, LP	OGRID 372210
Contact Name David Cain	Contact Telephone 972-590-9918
Contact email david.cain@longfellowenergy.com	Incident # *(assigned by OCD)* nAPP2206346222
Contact mailing address 8115 Preston Road, Suite 800, Dallas, TX 75225	

Location of Release Source

Latitude 32.843223 Longitude -104.142399
(NAD 83 in decimal degrees to 5 decimal places)

Site Name ROE Water Transfer Line off Turkey Tract Rd	Site Type
Date Release Discovered 03/04/2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	11	17S	28E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 700	Volume Recovered (bbls) 120
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2206346222
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Release > 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

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

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

Printed Name: David Cain Title: Engineering Technologist & Regulatory Specialist

Signature: David Cain Date: 6/20/2023

email: david.cain@longfellowenergy.com Telephone: 972-590-9918

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2206346222
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	58 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2206346222
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: David Cain Title: Engineering Technologist & Regulatory Specialist

Signature: David Cain Date: 6/20/2023

email: david.cain@longfellowenergy.com Telephone: 972-590-9918

OCD Only

Received by: Shelly Wells Date: 6/22/2023

Trinity Oilfield Services & Rentals, LLC

June 20th, 2023

Oil Conservation Division, District II
811 South First Street,
Artesia, New Mexico 88210

Re: **Request for Approval of Work Plan**
ROE Water Transfer Line Off Turkey Tract Rd
Tracking #: NAPP2206346222

Trinity Oilfield Services (Trinity), on behalf of Longfellow Energy LP, hereby submits the following Work Plan in response to a release that occurred at the above referenced location, and further described below.

Site Information	
Incident ID	NAPP2206346222
Site Name	ROE Water Transfer Line Off Turkey Tract Rd
Company	Longfellow Energy LP
County	Eddy
ULSTR	P-11-17S-28E
GPS Coordinates (NAD 83)	32.843223,-104.142399
Landowner	State

RELEASE BACKGROUND

On 03/04/2022, Longfellow Energy LP reported a release at the ROE Water Transfer Line Off Turkey Tract Rd. The release was caused by an equipment failure. Approximately 163,429 sqft. of the Pasture was found to be damp upon initial inspection.

Release Information	
Date of Release	03/04/2022
Type of Release	Produced Water
Source of Release	Equipment Failure
Volume Released – Produced Water	700 bbls
Volume Recovered – Produced Water	120 bbls
Volume Released – Crude Oil	0 bbls
Volume Recovered – Crude Oil	0 bbls
Affected Area – Damp Soil	Pasture - Approximately 163,429 sqft.
Site Location Map	Attached

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Depth to Groundwater/Wellhead Protection:

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	RA 12307 POD 1	10/07/2015	58
USGS	NA	NA	NA
Soil Bore	NA	NA	NA

A search of the groundwater well databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) was conducted to determine if any registered groundwater wells are located within a $^{1}/_{2}$ mile of the release site. The search revealed that One (1) well occurred in the data bases that meets the NMOCD criteria for age of data, distance of the data point well from the release point and a data point well having a diagram of construction.

General Site Characterization:

Site Assessment	
Karst Potential	Low
Distance to Watercourse	> 300 ft from Wetland
Within 100 yr Floodplain	No
Pasture Impact	Yes

A risk-based site assessment/characterization was performed in accordance with the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). To summarize the site assessment/characterization evaluation, the affected area has Low potential for cave and karst, and no other receptors (residence, school, hospital, institution, church, mining, municipal or other ordinance boundaries) were located within the regulatorily promulgated distances from the site.

Closure Criteria:

Site & Pasture 4ft bgs | Recommended Remedial Action Levels (RRALs)	
Chlorides	10,000 mg/kg
TPH (GRO and DRO and MRO)	2,500 mg/kg
TPH (GRO and DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

A reclamation standard of 600 mg/kg chloride and 100 mg/kg TPH will be applied to the top four feet of the pasture area if impacted by the release, per NMAC 19.15.29.13.D (1) for the top four feet of areas that will be reclaimed following remediation.

INITIAL ASSESMENT AND REMEDIATION ACTIVITES

Initial Sample Activities:

Delineation Summary	
Delineation Dates	04/12/2022 – 04/20/2022
Depths Sampled	4' - 12'
Delineation Map	Attached
Laboratory Results	Table 1

All soil samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to NMOCD-approved laboratory (Cardinal Laboratories of Hobbs, NM) for the analysis of chloride using Method SM4500 Cl-B, Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) by EPA Method 8021 B and Total Petroleum Hydrocarbon (TPH) constituents the by EPA 8015M.

Confirmation Activities:

Remediation Proposal	
Remediation Dates	Within 90 Days of Approval
Liner Variance Request	None
Deferral Request	None
Proposed Depths Excavated	3" - 4'
Proposed Area of 5-point Confirmation Samples – Floors and Walls	500 sqft.
Estimated Total Volume of Excavated Soil	24,212 yards
Proposed Remediation Map	Attached

Impacted soil within the release margins will be excavated and temporarily stockpiled on-site on a 6-mil plastic sheeting, pending final disposition. Unless a Variance Request has been approved, all Floor and On-Site Walls of the excavated area will be advanced until laboratory analytical results from confirmation soil samples indicate Chloride, Benzene, BTEX, and TPH concentrations are below the RRAL NMOCD Closure Criteria listed in the Table above, and all Off-Site Walls will be advanced to meet reclamation standards. Confirmation soil samples (five-point composites representing no more than 500 sqft. of the excavated area) will be collected from the floor and sidewalls.

Upon receiving laboratory analytical data showing that confirmation soil samples from the excavated areas yield results below the selected NMOCD Table 1 Closure Criteria; the impacted soil will be transported under manifest to a NMOCD-approved disposal facility and the excavated area will be backfilled with locally sourced, non-impacted "like" material.

SITE RECLAMATION AND RESTORATION

Areas affected by the release and the associated remediation activities will be restored to a condition which existed prior to the release to the extent practicable. The affected area will be contoured and/or compacted to provide erosion control, stability, and preservation of surface water flow. Affected areas not on production pads and/or lease roads will be reseeded with a prescribed BLM, NMSLO, and/or Private Landowner requested seed mixture during the first favorable growing season following closure of the site in accordance with the applicable regulatory agency.

REQUEST FOR APPROVAL

Supporting Documentation	
C-141, pages 3-5	Signed and Attached
Delineation Map	Attached
Depth to Groundwater Maps and Source	Attached
US NWI Map	Attached
FEMA Flood Hazard Map	Attached
USDA Soil Survey	Attached
Laboratory Analytics with COCs	Attached

The corrective actions will be completed within 90 days of receipt of approval of this proposal by the NMOCD. Upon completion of the proposed tasks, a "Remediation Summary & Closure Request" will be submitted, documenting remediation activities and results of confirmation soil samples.

Trinity Oilfield Services respectfully requests that the New Mexico Oil Conservation Division grant approval for the detailed Remediation Work Plan.

Sincerely,

Dan Dunkelberg

Dan Dunkelberg
Project Manager

Cynthia Jordan

Cynthia Jordan
Project Scientist

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

LONGFELLOW ENERGY, LP
ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2206346222

TRINITY OILFIELD SERVICES

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	VERTICAL/ HORIZONTAL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C_6-C_{36} (mg/Kg)	GRO+ DRO (mg/kg)	GRO C_6-C_{10} (mg/Kg)	DRO C_{10}-C_{28} (mg/Kg)	MRO C_{28}-C_{36} (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							**10,000**	**2,500**	**1,000**	**NE**	**NE**	**NE**	**50**	**10**
NMOCD Closure Limits Pasture to 4'							**600**	**100**	**NE**	**NE**	**NE**	**NE**	**50**	**10**
Vertical Delineation														
SP - 1 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1500	29.0	13.0	<10.0	13.0	16.0	<0.300	<0.050
SP - 2 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	224	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 3 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	224	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 4 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1460	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 5 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1460	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 6 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 7 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 8 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 9 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 10 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 11 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 12 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 13 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 14 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 15 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	2680	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 16 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1780	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 16 @ 12'	12'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	2600	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 17 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	224	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 18 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	2440	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 19 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	2520	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 20 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	2200	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 21 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1380	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 22 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1410	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 23 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1390	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 24 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1410	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 25 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1490	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 26 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	976	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 27 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	784	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 28 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	944	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 29 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	720	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 30 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1380	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 31 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1500	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 32 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1710	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 33 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	928	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 34 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	880	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 35 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1410	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 36 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1420	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 37 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1390	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

LONGFELLOW ENERGY, LP
ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2206346222

TRINITY OILFIELD SERVICES

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	VERTICAL/ HORIZONTAL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C_6-C_{36} (mg/Kg)	GRO+ DRO (mg/kg)	GRO C_6-C_{10} (mg/Kg)	DRO C_{10}-C_{28} (mg/Kg)	MRO C_{28}-C_{36} (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							**10,000**	**2,500**	**1,000**	**NE**	**NE**	**NE**	**50**	**10**
NMOCD Closure Limits Pasture to 4'							**600**	**100**	**NE**	**NE**	**NE**	**NE**	**50**	**10**
SP - 38 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	960	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 39 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1490	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 40 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1420	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 41 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	720	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 42 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1520	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 43 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	672	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 44 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	704	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 45 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	672	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 46 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1310	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 47 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	688	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 48 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	240	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 49 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	864	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 50 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	928	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 51 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	944	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 52 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1140	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 53 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1040	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 54 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	848	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 55 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1500	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 55 @ 12'	12'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1010	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 56 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	1140	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 57 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	912	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 58 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	912	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 59 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	880	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 60 @ 4'	4'	3/23/2022	Vertical	Off-Site	Grab	In-Situ	944	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 61 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	800	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 62 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	864	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 63 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	896	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 64 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1010	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 65 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	928	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 66 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	832	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 67 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	912	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 68 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1060	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 69 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	896	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 70 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	912	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 71 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	864	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 72 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	944	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 73 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1310	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 74 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	2400	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 75 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	2920	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

LONGFELLOW ENERGY, LP
ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2206346222

TRINITY OILFIELD SERVICES

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	VERTICAL/ HORIZONTAL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C_6-C_{36} (mg/Kg)	GRO+ DRO (mg/kg)	GRO C_6-C_{10} (mg/Kg)	DRO C_{10}-C_{28} (mg/Kg)	MRO C_{28}-C_{36} (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							**10,000**	**2,500**	**1,000**	**NE**	**NE**	**NE**	**50**	**10**
NMOCD Closure Limits Pasture to 4'							**600**	**100**	**NE**	**NE**	**NE**	**NE**	**50**	**10**
SP - 76 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1380	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 77 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	3000	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 78 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1310	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 79 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1810	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 80 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	752	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 81 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	2520	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 82 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1330	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 83 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	1300	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 84 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	736	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 85 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	752	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 86 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	2640	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 86 @ 12'	12'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	1660	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 87 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 88 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 89 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 90 @ 4'	4'	3/25/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 91 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	224	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 92 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 93 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	80.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 94 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 95 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 96 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 97 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	80.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 98 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 99 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 100 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 101 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 102 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 103 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 104 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 105 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 106 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 107 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	96.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 108 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 109 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 110 @ 4'	4'	3/28/2022	Vertical	Off-Site	Grab	In-Situ	80.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
Horizontal Delineation														
SP - 1 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 1 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

TABLE 1
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LONGFELLOW ENERGY, LP
ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2206346222

TRINITY OILFIELD SERVICES

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	VERTICAL/ HORIZONTAL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C_6-C_{36} (mg/Kg)	GRO+ DRO (mg/kg)	GRO C_6-C_{10} (mg/Kg)	DRO C_{10}-C_{28} (mg/Kg)	MRO C_{28}-C_{36} (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							**10,000**	**2,500**	**1,000**	**NE**	**NE**	**NE**	**50**	**10**
NMOCD Closure Limits Pasture to 4'							**600**	**100**	**NE**	**NE**	**NE**	**NE**	**50**	**10**
SP - 1 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 2 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 2 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 3 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 3 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 4 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 4 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 5 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 5 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 6 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 6 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 6 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 7 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 10 SW @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 11 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 11 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 12 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 12 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 13 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 13 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 14 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 14 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 14 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 15 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 15 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 16 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 16 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 17 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 17 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 17 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 20 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 23 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 24 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 27 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 28 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 31 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 32 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 35 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 36 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

LONGFELLOW ENERGY, LP
ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2206346222

TRINITY OILFIELD SERVICES

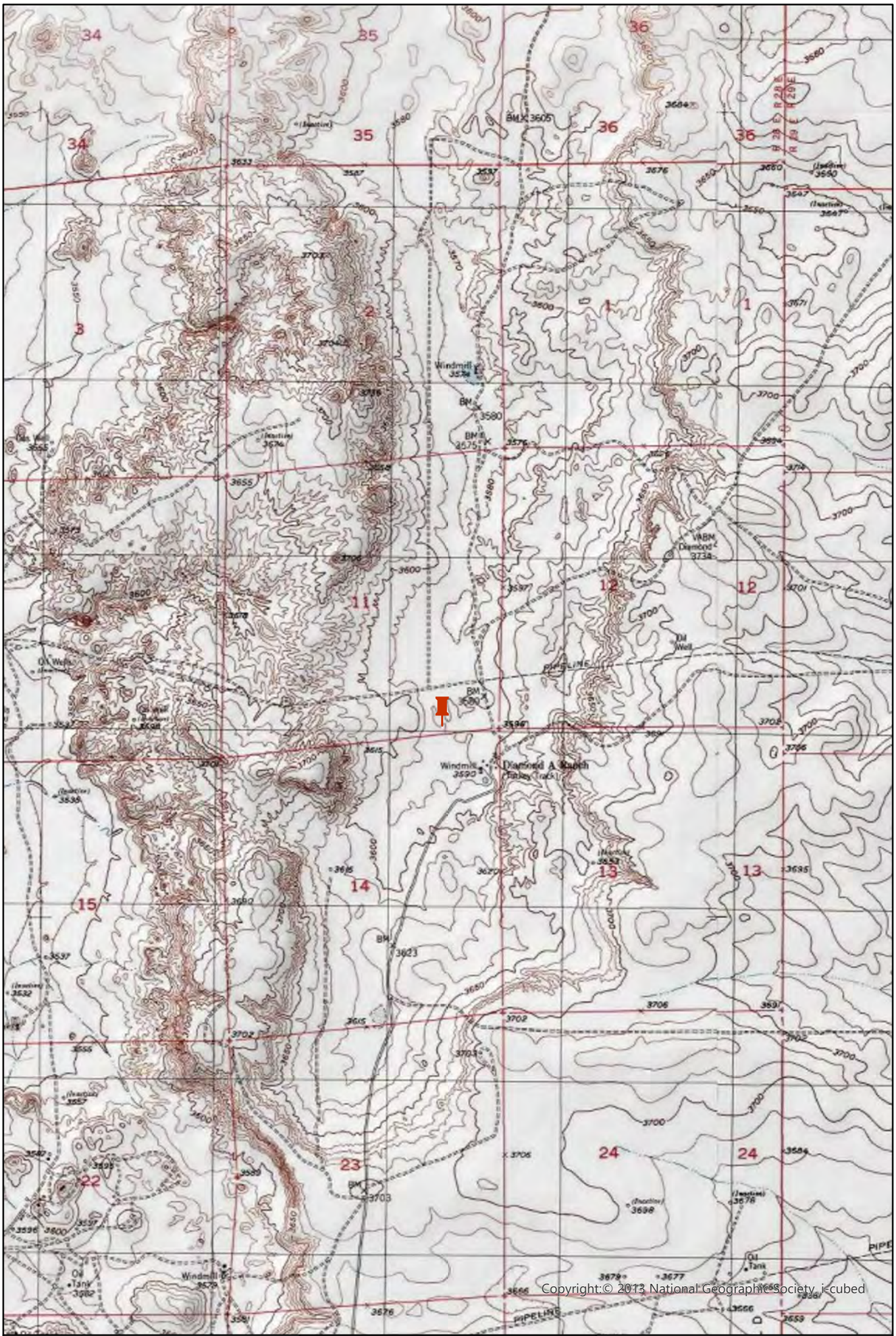
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	VERTICAL/ HORIZONTAL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C_6-C_{36} (mg/Kg)	GRO+ DRO (mg/kg)	GRO C_6-C_{10} (mg/Kg)	DRO C_{10}-C_{28} (mg/Kg)	MRO C_{28}-C_{36} (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							**10,000**	**2,500**	**1,000**	**NE**	**NE**	**NE**	**50**	**10**
NMOCD Closure Limits Pasture to 4'							**600**	**100**	**NE**	**NE**	**NE**	**NE**	**50**	**10**
SP - 39 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 40 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 43 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 44 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 44 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 48 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 49 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 54 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 54 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 55 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 61 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 62 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 67 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 68 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 73 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 74 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 74 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 75 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 76 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 77 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 78 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 79 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 80 N @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 80 S @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 81 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 81 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 82 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 83 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 83 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 84 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 84 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 85 E @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 85 W @ 2'	2'	3/28/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 86 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 86 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 87 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 87 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 88 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 88 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

LONGFELLOW ENERGY, LP
ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2206346222

TRINITY OILFIELD SERVICES

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	VERTICAL/ HORIZONTAL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C_6-C_{36} (mg/Kg)	GRO+ DRO (mg/kg)	GRO C_6-C_{10} (mg/Kg)	DRO C_{10}-C_{28} (mg/Kg)	MRO C_{28}-C_{36} (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							**10,000**	**2,500**	**1,000**	**NE**	**NE**	**NE**	**50**	**10**
NMOCD Closure Limits Pasture to 4'							**600**	**100**	**NE**	**NE**	**NE**	**NE**	**50**	**10**
SP - 89 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 89 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 89 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 90 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 90 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 91 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 92 S @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 93 S @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 93 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 94 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 95 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 97 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 97 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 98 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 99 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 100 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 100 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 102 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 102 S @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 103 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 104 S @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 104 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 105 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 105 S @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 106 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 107 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 107 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 107 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 108 S @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 108 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 109 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 109 S @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 110 E @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 110 W @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP - 110 N @ 2'	2'	3/29/2022	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050



Legend:

Site Location

Figure 1
Site Location Map
Longfellow Energy, LP
ROE Water Transfer Line off
Turkey Tract Rd
Eddy County, New Mexico
NMOCD Reference #
NAPP2206346222

0 0.125 0.25 0.5 0.75 1 Miles

TRINITY
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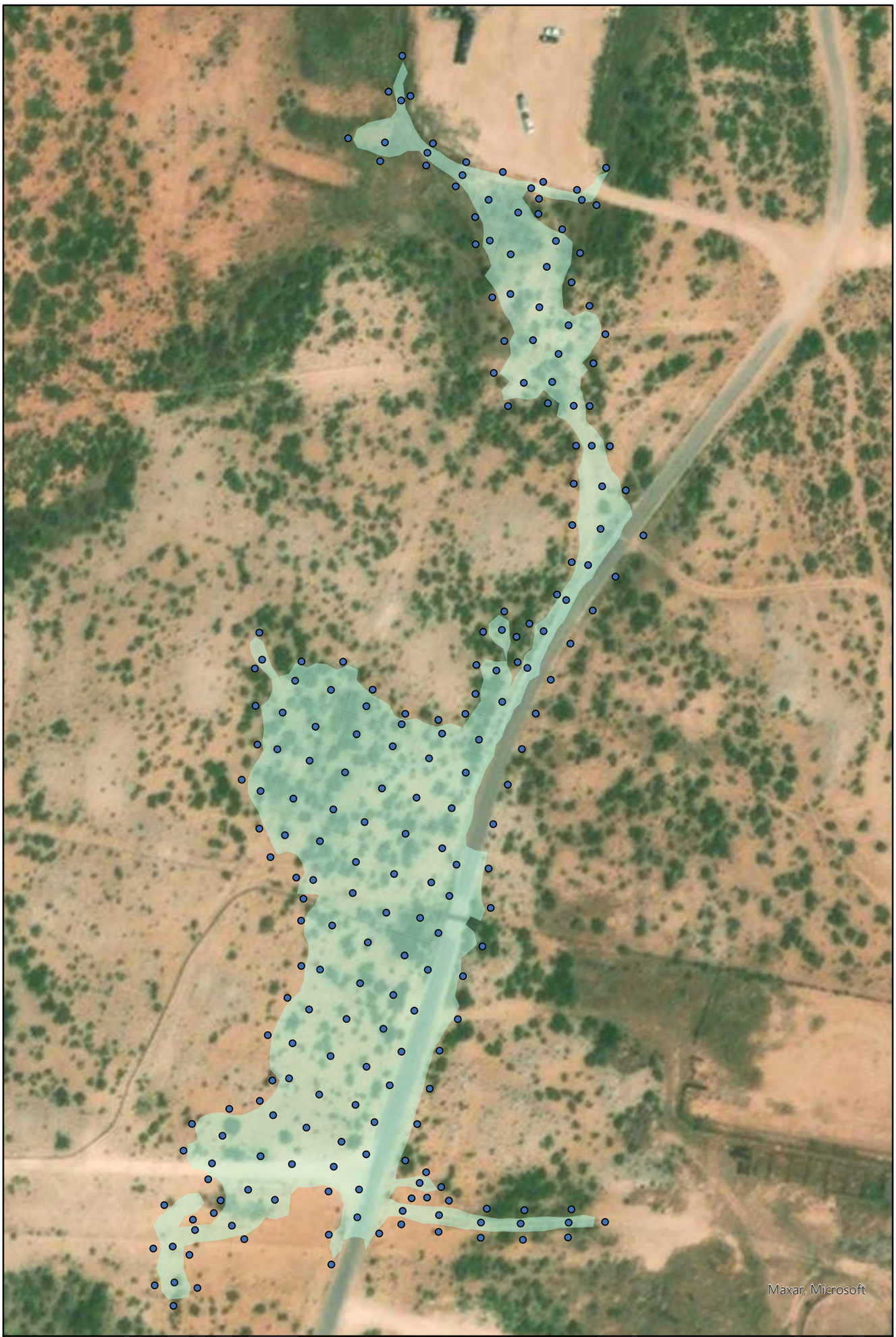
N



Legend:

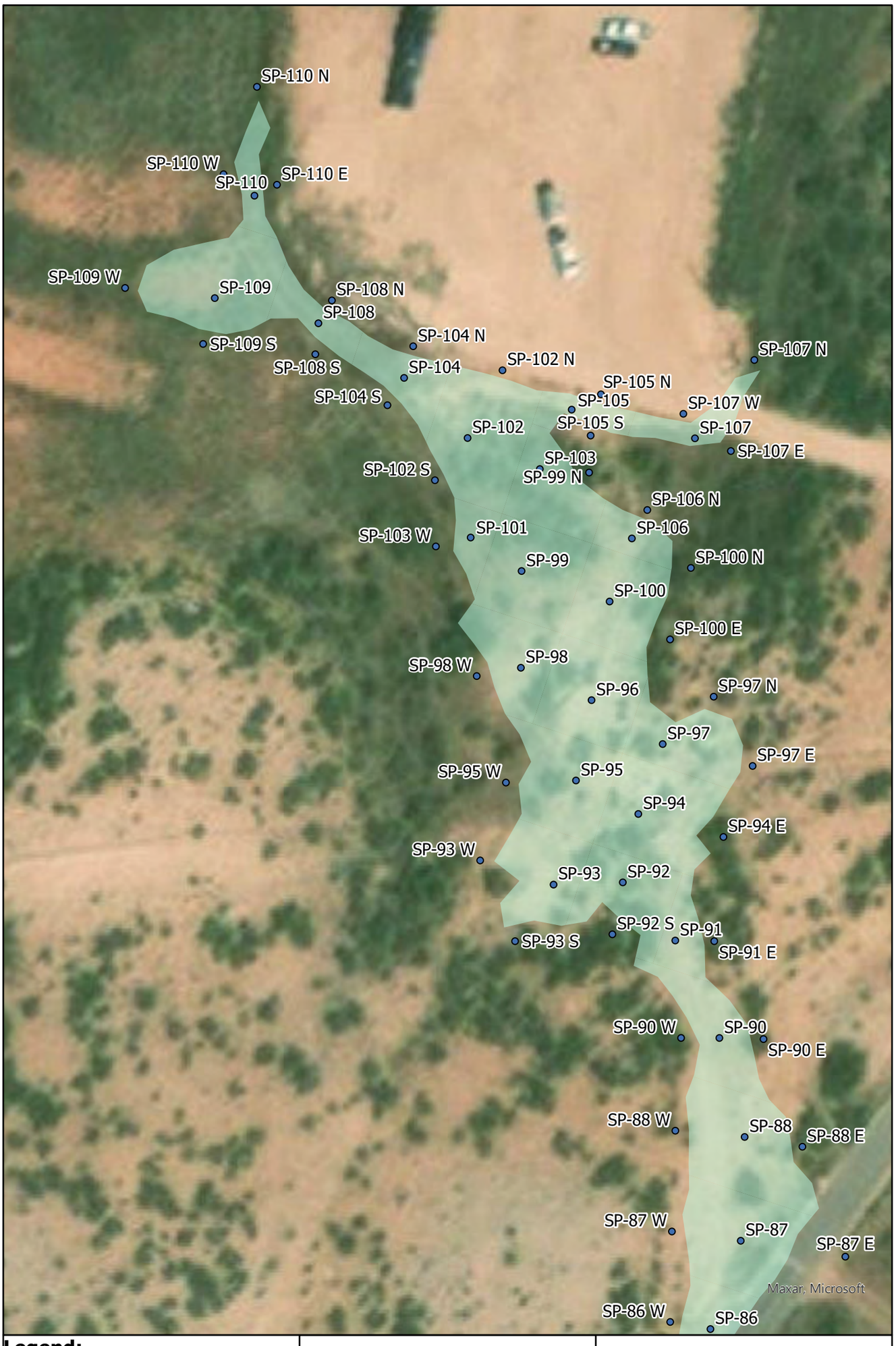
- Delineation
- Release Area

Figure 2.0
Initial Delineation Map
Longfellow Energy, LP
ROE Water Transfer Line off
Turkey Tract Rd
Eddy County, New Mexico
NMOCD Reference #
NAPP2206346222

0 37.575 150 225 300 Feet

TRINITY OILFIELD SERVICES

N



Legend:

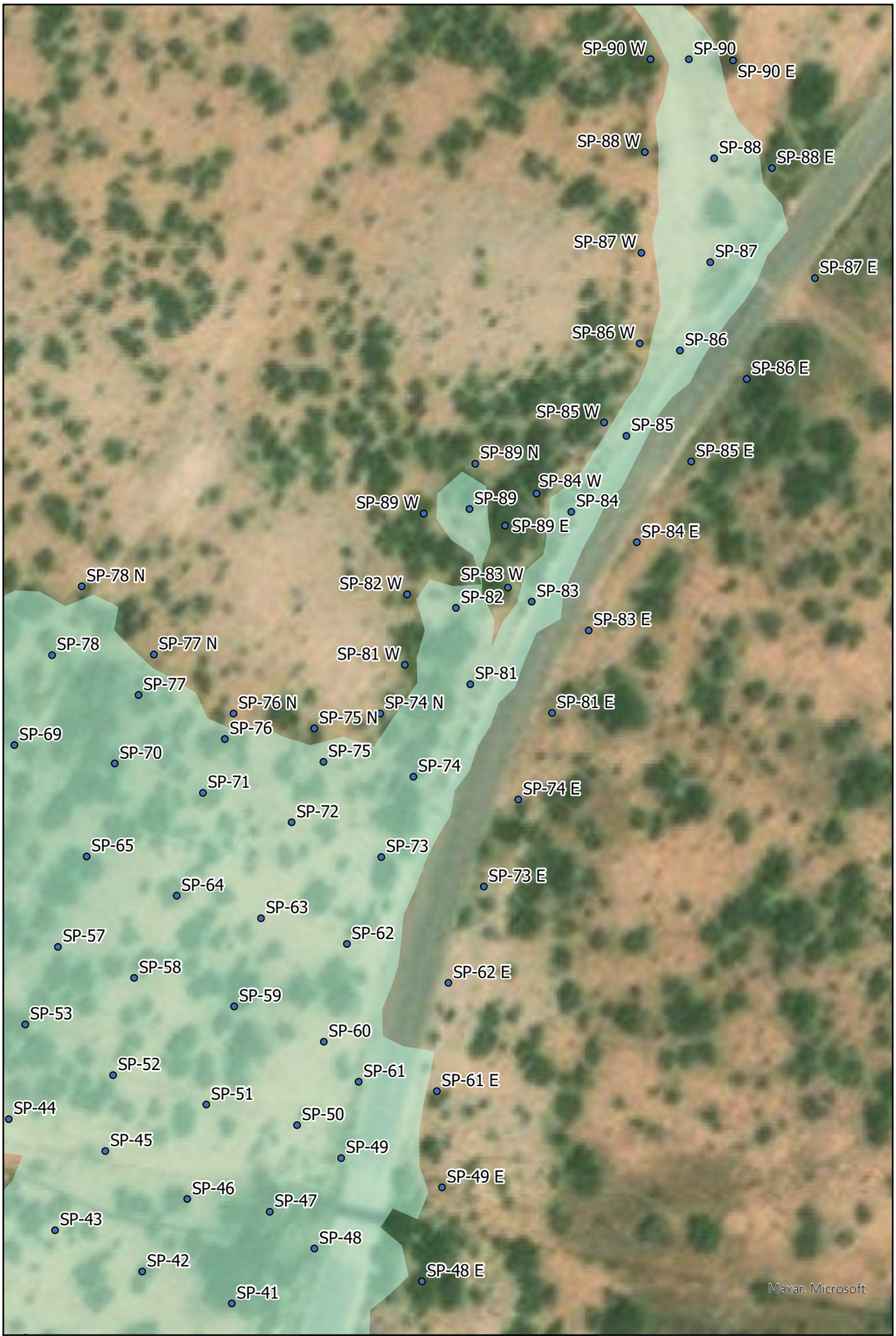
- Delineation
- Release Area

Figure 2.1
Initial Delineation Map
Longfellow Energy, LP
ROE Water Transfer Line off
Turkey Tract Rd
Eddy County, New Mexico
NMOCD Reference #
NAPP2206346222

0 15 30 60 90 120 Feet

TRINITY OILFIELD SERVICES

N



Legend:

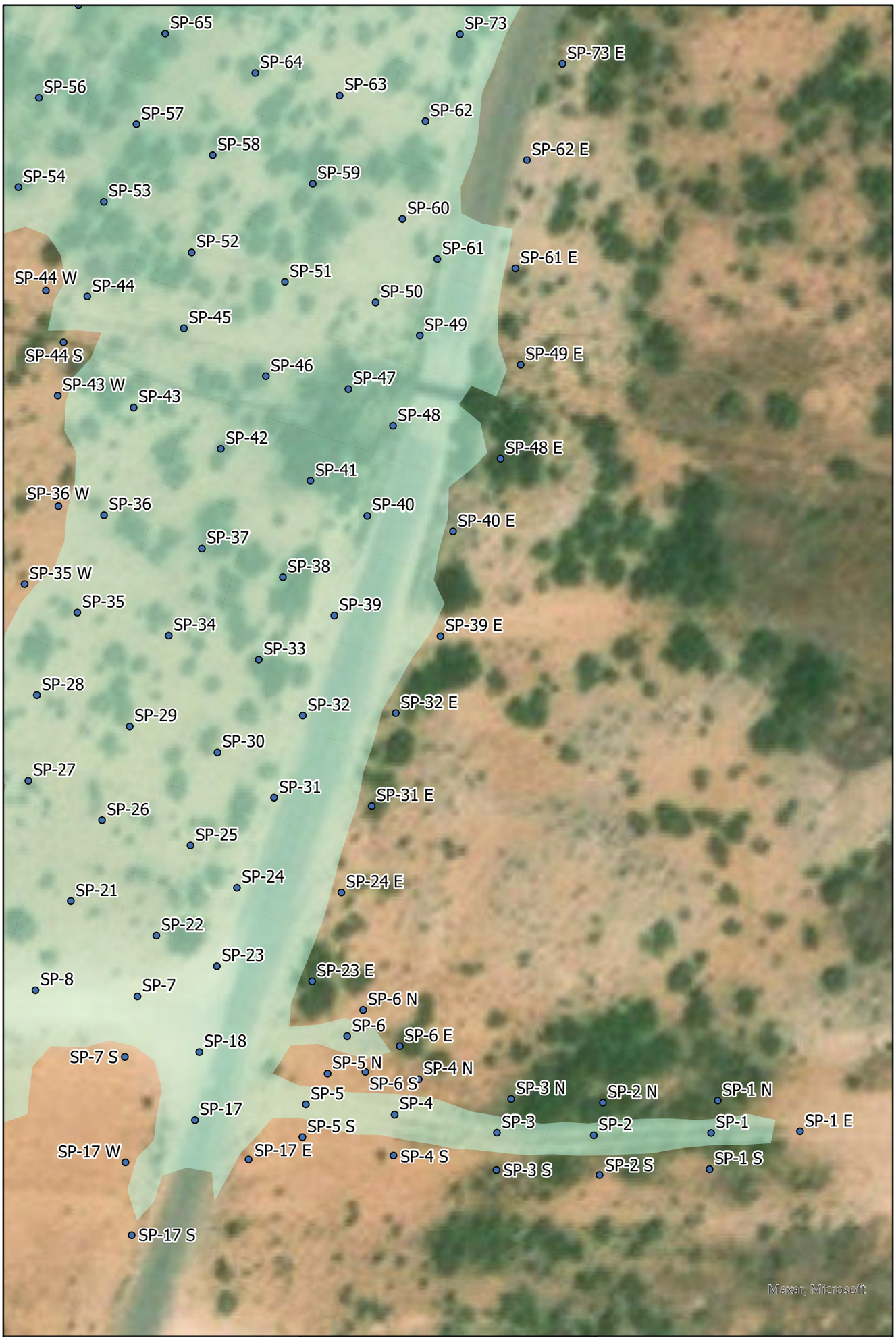
- Delineation
- Release Area

Figure 2.2
Initial Delineation Map
Longfellow Energy, LP
ROE Water Transfer Line off
Turkey Tract Rd
Eddy County, New Mexico
NMOCD Reference #
NAPP2206346222

0 15 30 60 90 120 Feet

TRINITY OILFIELD SERVICES

N



Legend:

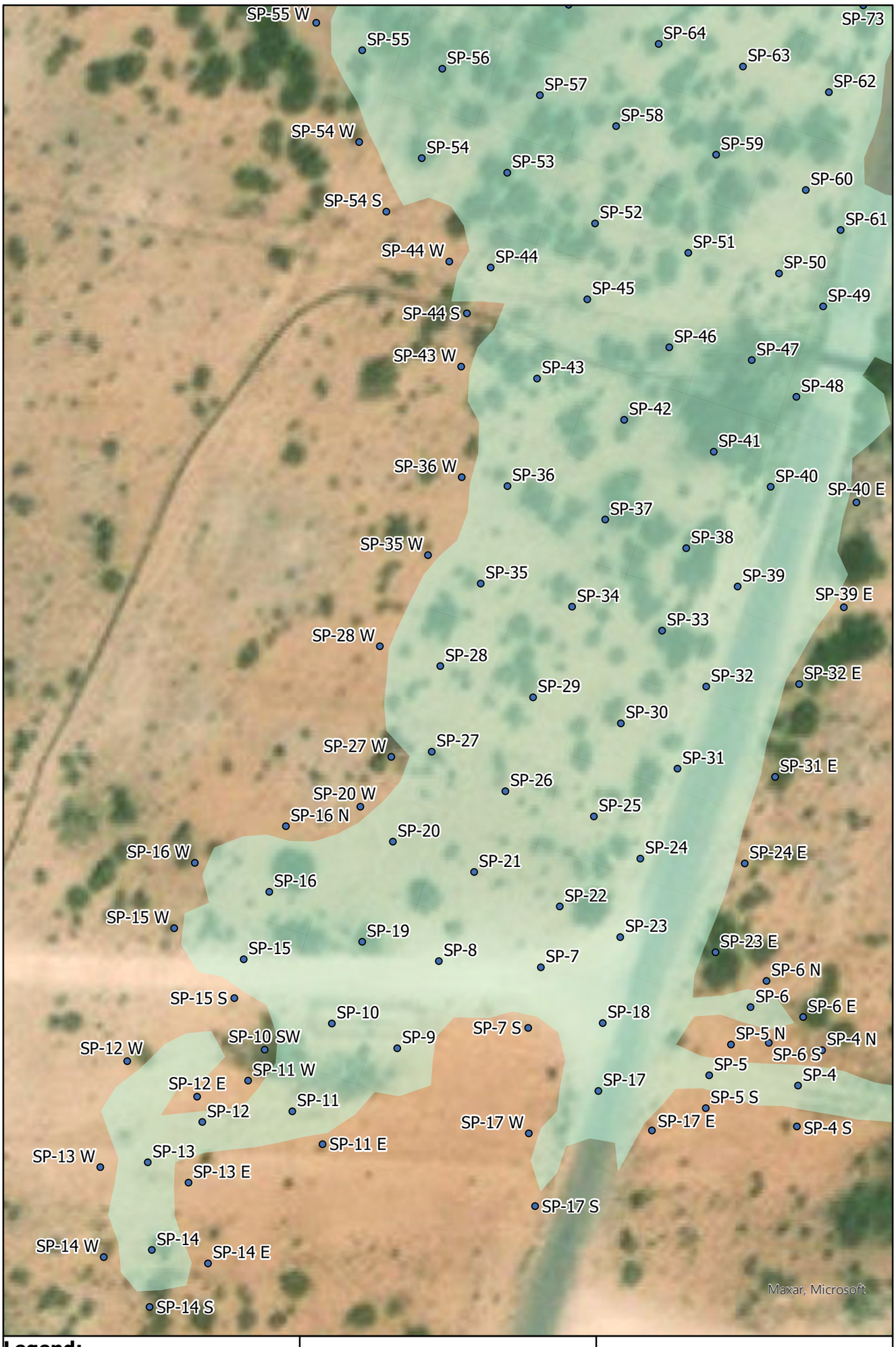
- Delineation
- Release Area

Figure 2.3
Initial Delineation Map
Longfellow Energy, LP
ROE Water Transfer Line off
Turkey Tract Rd
Eddy County, New Mexico
NMOCD Reference #
NAPP2206346222

0 15 30 60 90 120 Feet

TRINITY OILFIELD SERVICES

N



Legend:

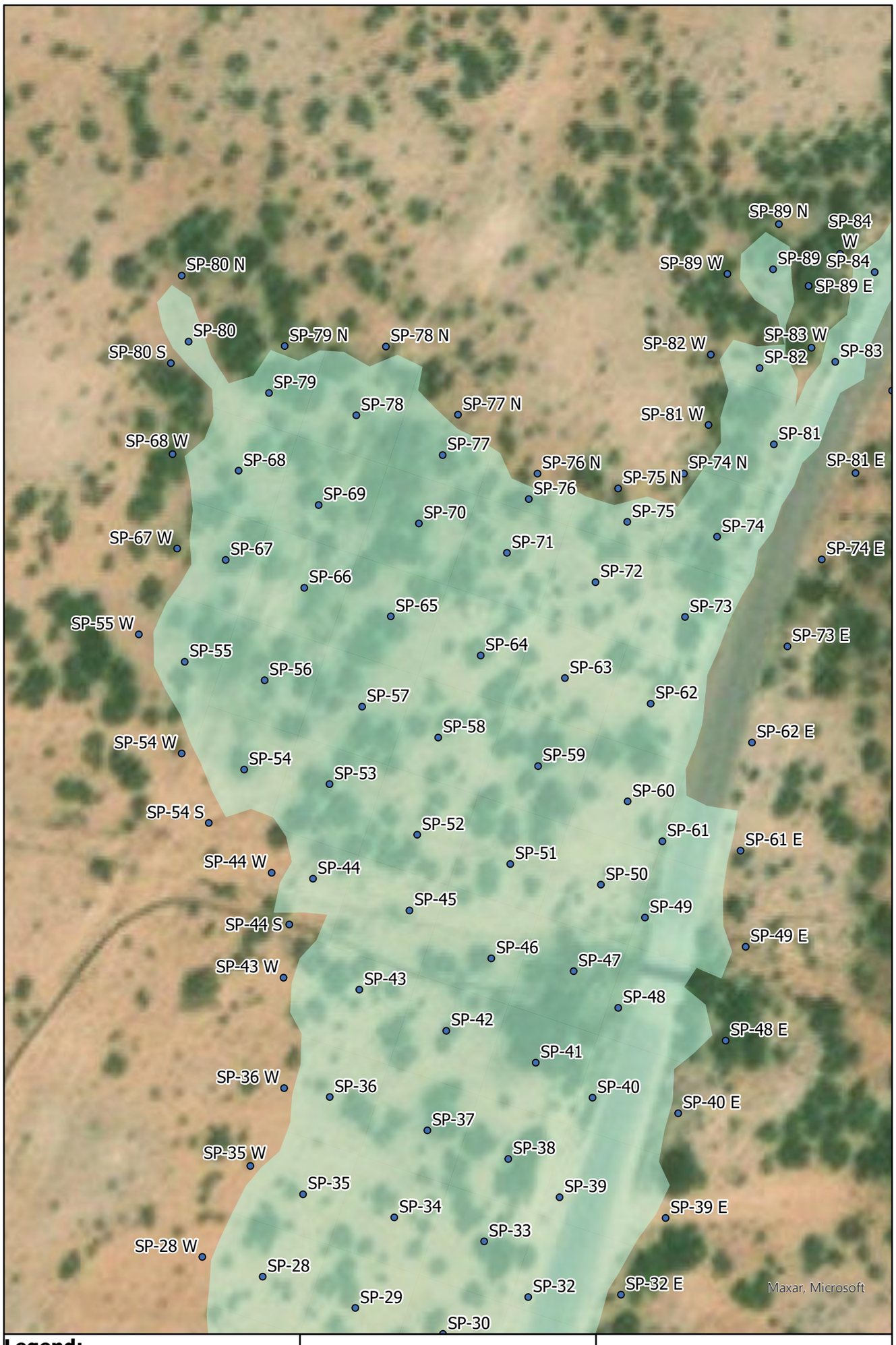
- Delineation
- Release Area

Figure 2.4
Initial Delineation Map
Longfellow Energy, LP
ROE Water Transfer Line off
Turkey Tract Rd
Eddy County, New Mexico
NMOCD Reference #
NAPP2206346222

0 15 30 60 90 120 Feet

TRINITY OILFIELD SERVICES

N



Legend:

- Delineation
- Release Area

Figure 2.4
Initial Delineation Map
Longfellow Energy, LP
ROE Water Transfer Line off
Turkey Tract Rd
Eddy County, New Mexico
NMOCD Reference #
NAPP2206346222

0 15 30 60 90 120 Feet

TRINITY OILFIELD SERVICES

N

New Mexico Office of the State Engineer

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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 12307 POD1	4	2	2	14	17S	28E	580495	3633981

Driller License: 1058 **Driller Company:** KEY'S DRILLING & PUMP SERVICE

Driller Name: CLINTON KEY

Drill Start Date: 09/28/2015 **Drill Finish Date:** 09/30/2015 **Plug Date:**

Log File Date: 10/07/2015 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 30 GPM

Casing Size: 4.50 **Depth Well:** 140 feet **Depth Water:** 58 feet

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

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO
2015 OCT -7 AM 11:53

	OSE FILE NUMBER(S): RA 12307
WELL OWNER NAME(S): KEY LIVESTOCK, LLC	PHONE (OPTIONAL):
WELL OWNER MAILING ADDRESS: 1012 E 2ND ST	CITY: ROSWELL STATE: NM ZIP: 88201

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	50	27.38	N
LONGITUDE	104	08	23.53	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1058	CLINTON KEY	KEYS DRILLING & PUMP SERVICE INC.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
09-28-15	09-30-15	140	140'	80'

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 58'

DRILLING FLUID: ☑ AIR ☐ MUD ☐ ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	20	14"	STEEL		10-3/4"	1/4"	
0	120	12-3/4	PVC	SPLINE	4-1/2"	SCH40	
120	140	12-3/4"	PVC	SPLINE	4-1/2"	SCH40	.030

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	20	14"	CEMENT		HAND
20	140	12-3/4"	VEALMORE PEA GRAVEL		HAND

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	RA-12307	POD NUMBER	1	TRN NUMBER	574454
LOCATION	17S.28E.14.2.2.4			STOCK	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	20	20	TOP SOIL	☐ Y ■ N	
20	60	40	RED SAND STONE W/RED SANDY CLAY	☐ Y ■ N	
60	80	20	RED SAND STONE W/COURSE SAND	☐ Y ■ N	
80	100	20	GREY SHELL	■ Y ☐ N	
100	110	10	RED CLAY	☐ Y ■ N	
110	120	10	RED SANDY CLAY	■ Y ☐ N	
120	140	20	GYPSON	■ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	
				☐ Y ☐ N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ■ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 30+

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

CLINTON KEY

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

GARY KEY — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10-07-2015 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	RA-12307	POD NUMBER	1	TRN NUMBER	574454
LOCATION	17S.28E.14.2.2.4			STOCK	PAGE 2 OF 2

NAPP2206346222 | ROE WATER TRANSFER LINE OFF TURKEY TRACT RD

5/17/2022, 7:50:12 AM

GIS WATERS PODs

- Active
- OSE District Boundary
- SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, U.S. Department of Energy Office of Legacy Management

Unofficial Online Map

These maps are distributed “as is” without warranty of any kind.

Worsham II, Jerry

From: Griffin, Rusty <rusty_griffin@fws.gov>
Sent: Wednesday, June 14, 2023 8:36 AM
To: Worsham II, Jerry; michael.haynes@riatacg.com
Cc: dan@trinityoilfieldservices.com
Subject: Correction of Information Request
Attachments: Correction of Information.pdf

[External Message]

Jerry,

Thank you for submitting your *Correction of Information Request* dated 6/1/2023. I have reviewed the wetland determination and examined the wetland polygon in question and am pleased to inform you that your request has been approved.

I have attached a map depicting the edited wetland polygon reflecting the on-site information you provided. This correction has been made in our local database. The public facing data seen on the Wetlands Mapper is updated bi-annually with the next update scheduled for October 1, 2023. On or about that date the edits to this particular wetland will be visible and active on the public mapper. If you need the actual data, I can provide a shapefile or geodatabase. Just let me know.

Please let me know if you need anything else from me or my office. I appreciate your patience with this process. Mapping wetlands from aerial imagery has inherent limitations, so it is always helpful to get better information from on the ground sources.

Thank you,

Rusty

Rusty Griffin, PWS
U.S. Fish and Wildlife Service, National Wetlands Inventory | 505 Science Drive, Suite A, Madison, WI 53711 | 608-238-9333 x31005
http://www.fws.gov/wetlands/index.html

Request for Correction of Information

This document is required by the Department of the Interior, U.S. Fish and Wildlife Service Information Quality Guidelines.

Requesting a Correction of Information: Any affected person or organization may request a correction of information from the Service pursuant to the Information Quality Guidelines. The Branch of Geospatial Mapping and Technical Services will consider requests for corrections of information for the National Wetlands Geospatial Data Layer if such a request is submitted in compliance with DOI/Service Information Quality Guidelines. Requests must be routed through the appropriate Service Region for technical evaluation. Regional requests for entry of corrected map data will be made by submitting a completed "Request for Correction of Information" form to the Branch's Geodatabase Manager. This form is part of the MGD Technical Attachments of Forms and Documentation. It certifies the corrected information submitted has been approved by all appropriate technical quality control personnel and meets all data standards and requirements as outlined on the Contributed Data webpage. This complies with the requirements of Section 515 of the Treasury and General Government Appropriations Act of 2001 (Public Law 106-554) that requires Federal agencies to provide administrative mechanisms allowing the public to seek and obtain correction of information maintained and disseminated by the agency.

Requester Contact Information:

Requestor Name:	Date:	Email Address:
Jerry D. Worsham II	6/1/2023	jworsham@clarkhill.com
Address:	**Phone Number:**	**Organization(if any):**
3200 N. Central Ave., Ste. 1600, Phx, AZ 85012	602-440-4808	Clark Hill/Longfellow Energy, LP
Description of Requested Area for Correction(location/coordinates/attribute):		
The polygon is currently defined as a PEM1A (Palustrine Emergent) wetland. Approximate latitude 32.848478 deg. N, -104.141243 deg. W., Eddy County, New Mexico		
Effect of the Alleged Error:		
The designation of a "wetland" by the USFWS "Wetland Mapper" is used by the New Mexico Oil Conservation Division (NMOCD) to determine the applicable remediation regulation and ultimate cost of the Remediation Plan. A wetland determination drastically increases the amount of soil to be removed and associated cost for remediated soil disposal. See attached Jurisdictional Delineation by Jesse Shuck from Grouse Mountain Environmental Consultants to support a correction of the Wetland Mapper.		

FWS Evaluation Information:

FWS Personnel:	Approved or Denied:	Date:
Rusty Griffin	Approved	6/13/2023
Justification for Correction Approval/Denial:		
Wetland determination data submitted and a re-examination of higher resolution imagery determined the wetland polygon boundary to be larger than the wetland was on the ground.		

[X] The information submitted has been approved by all appropriate quality control personnel.

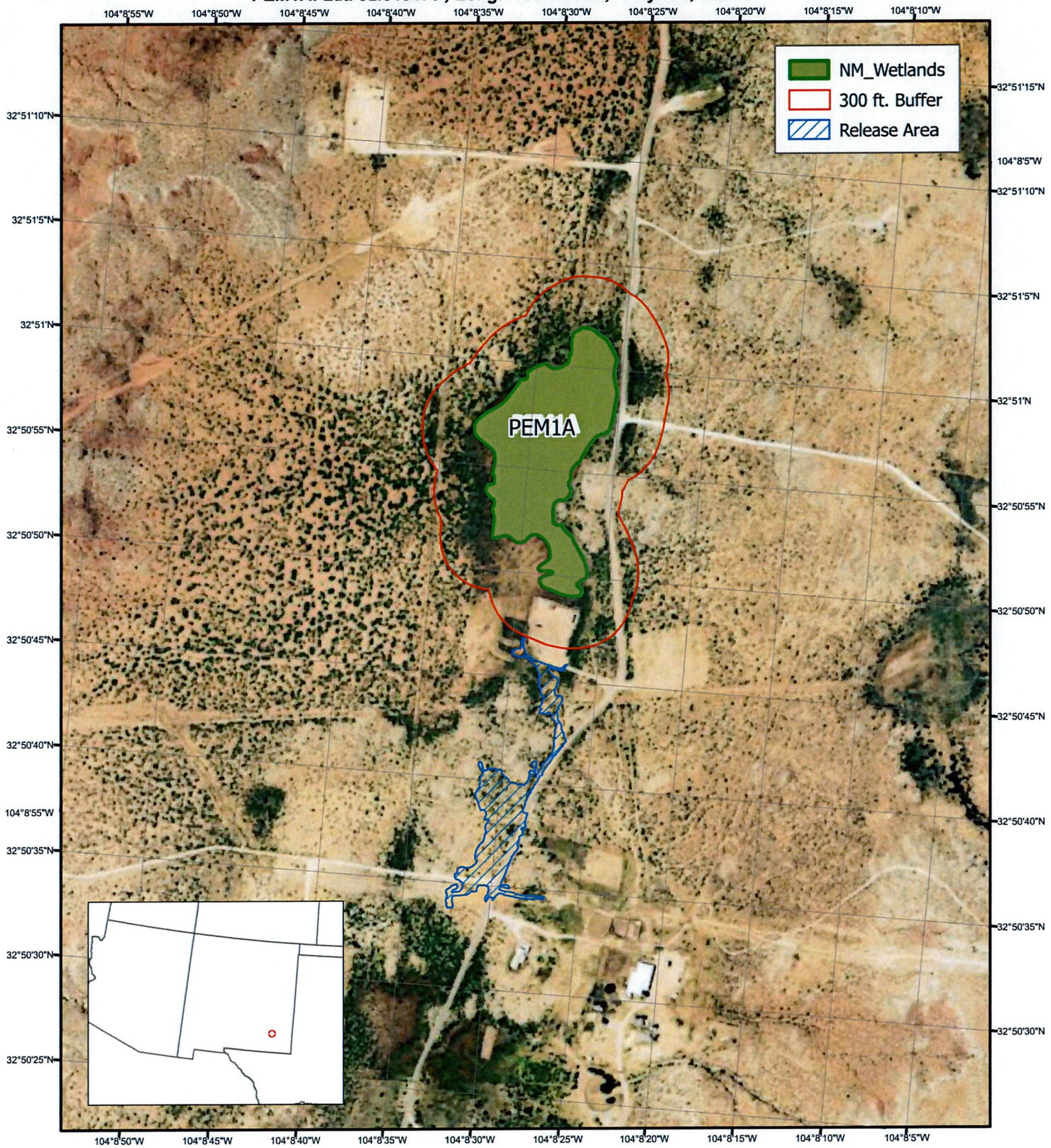
[ ] An updated metadata file is attached that reflects this revised information.
Metadata update is not necessary for such a small revision.

271761272

U.S. Fish & Wildlife Service

Correction of Information Request by Jerry D. Worsham

PEM1A: Lat. 32.848478 , Long. -104.141243, Eddy Co., NM



Produced by the National Wetlands Inventory, Madison WI
Produced: June 13, 2023
Basemap: USDA NAIP Imagery

0 500 Feet

0 200 Meters

The USFWS makes no warranty for use of this map and cannot be held liable for actions or decisions based on map content.
This map template is intended as a general guide for the creation of U.S. Fish and Wildlife maps at a small scale.
The information correction request was granted and the data depicted herein are the results of the correction requested.

National Flood Hazard Layer FIRMette

FEMA

104°8'52"W 32°50'51"N

104°8'14"W 32°50'21"N

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

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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

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

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

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

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

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 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

N

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

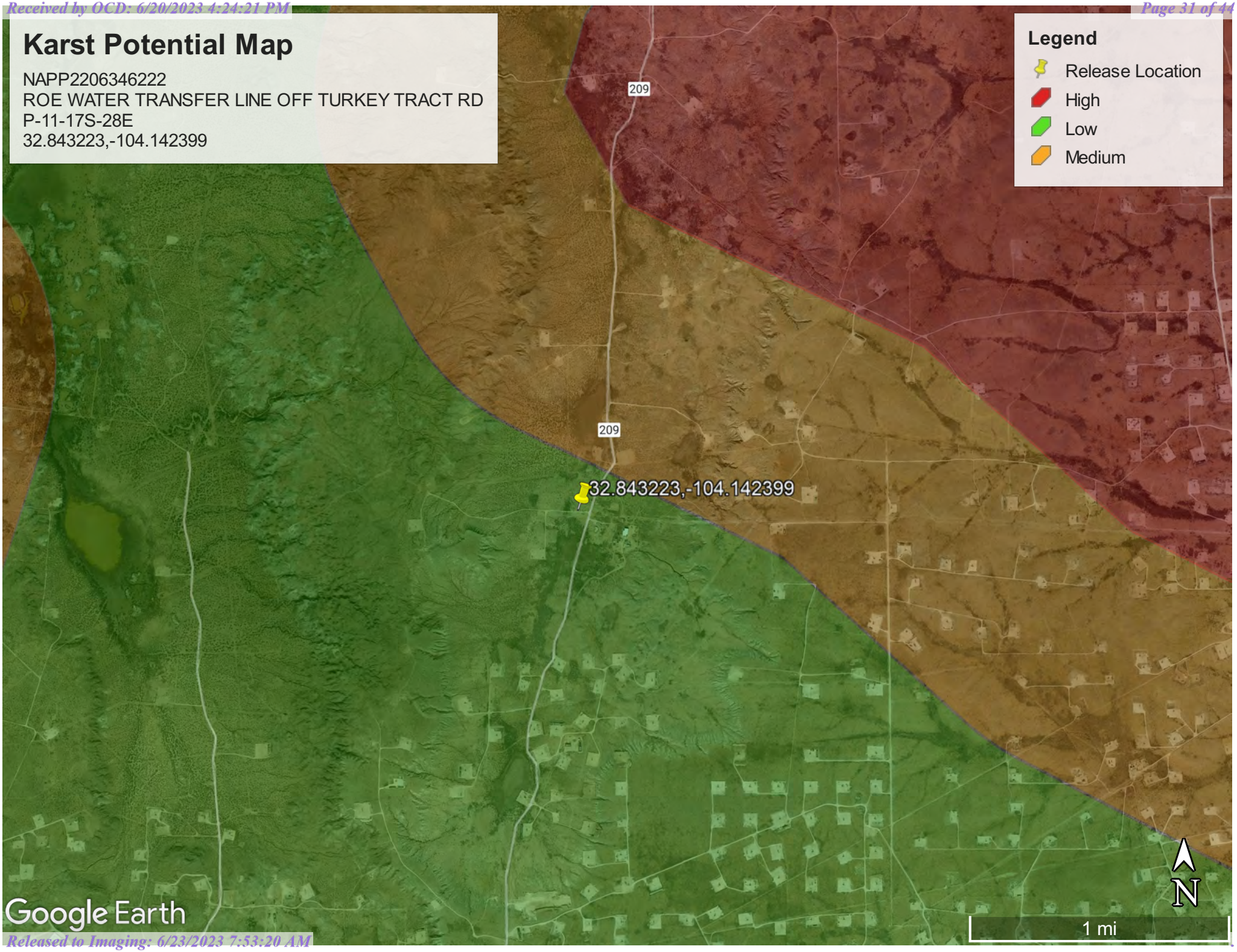
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/16/2022 at 3:58 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.

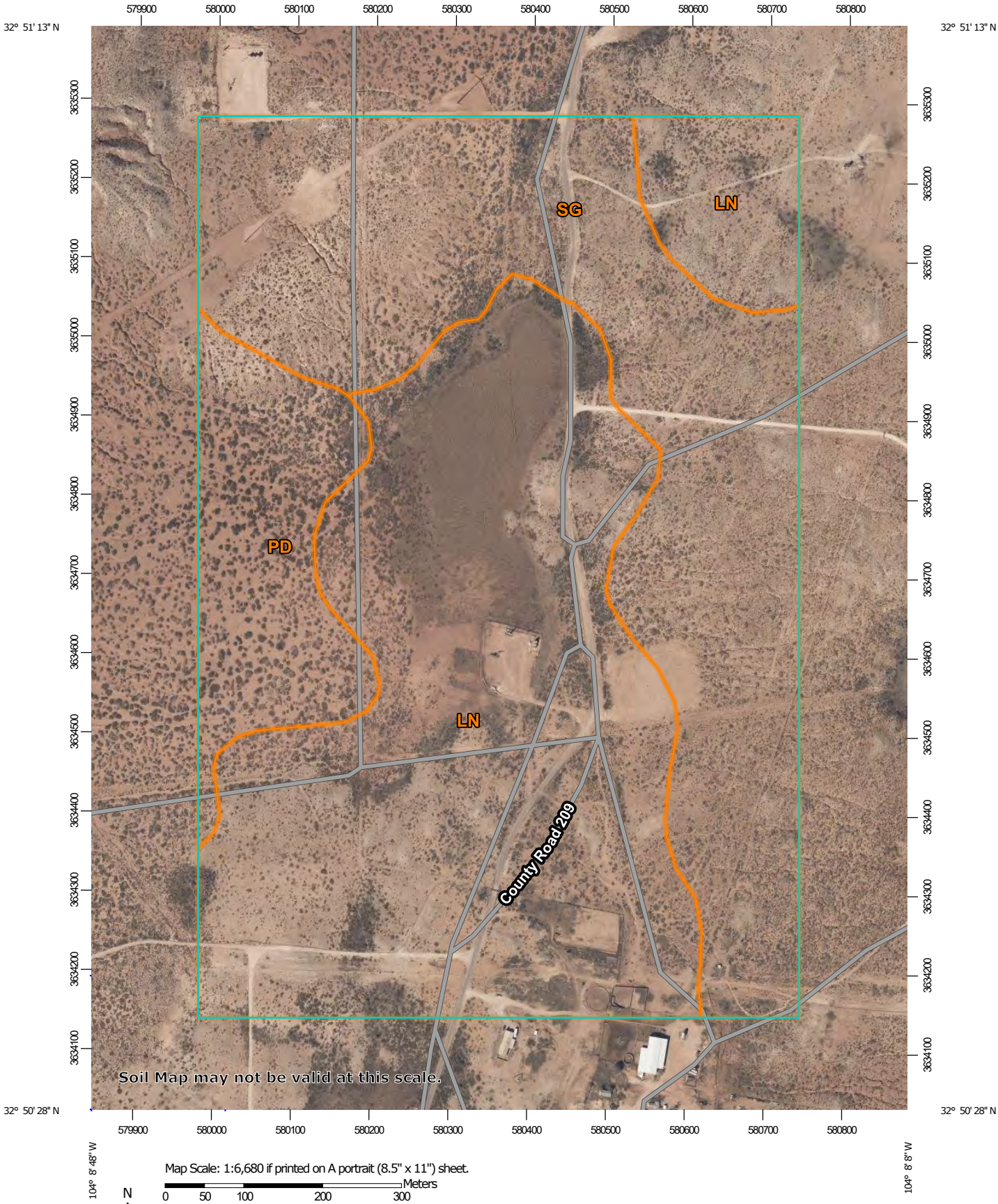
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Karst Potential Map

NAPP2206346222
ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
P-11-17S-28E
32.843223,-104.142399



Soil Map—Eddy Area, New Mexico
(NAPP2206346222 | ROE WATER TRANSFER LINE OFF TURKEY TRACT RD)



Map Scale: 1:6,680 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 300 600 1200 1800

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

Soil Map—Eddy Area, New Mexico
(NAPP2206346222 | ROE WATER TRANSFER LINE OFF TURKEY TRACT RD)

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 18, Sep 8, 2022

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

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
LN	Largo-Stony land complex, 0 to 25 percent slopes	111.2	51.6%
PD	Pajarito-Dune land complex, 0 to 3 percent slopes	22.9	10.6%
SG	Simona gravelly fine sandy loam, 0 to 3 percent slopes	81.4	37.8%
Totals for Area of Interest		**215.5**	**100.0%**

Established Series
Rev. CLC/LWH/WWJ
10/2006

LARGO SERIES

The Largo series consists of very deep, well drained soils that formed in loamy calcareous alluvium derived from redbed formations of Jurassic, Triassic, Permian and Pennsylvanian age. These soils are on channeled valley bottom terraces, alluvial fans and piedmont slopes. They have moderate to moderately slow permeability. Their slopes range from 0 to 5 percent. Average annual precipitation is about 8 to 12 inches. Average annual air temperature 59 to 65 degrees F.

TAXONOMIC CLASS: Fine-silty, mixed, superactive, calcareous, thermic Typic Torriorthents

TYPICAL PEDON: Largo silt loam --(All colors are for moist soil unless otherwise stated.)

A--0 to 4 inches; reddish brown (5YR 5/3) silt loam, dark reddish brown (5YR 3/3) moist; weak medium platy structure in the surface 1 inch and weak medium fine subangular blocky structure below; soft, friable, slightly sticky, and slightly plastic; common fine roots; many very fine and fine pores; strongly effervescent; common faint mycelia and few soft bodies of calcium carbonate; moderately alkaline; clear smooth boundary. (3 to 6 inches thick)

AC--4 to 20 inches; reddish brown (5YR 5/3) silt loam, reddish brown (5YR 4/3) moist; weak coarse prismatic structure parting to weak medium subangular blocky; slightly hard, friable, moderately sticky and moderately plastic; many fine roots; many very fine and fine pores; few widely spaced clusters of very fine insect casts; strongly effervescent with common faint mycelia and few soft bodies of calcium carbonate; few fine limestone pebbles; moderately alkaline; gradual boundary. (4 to 20 inches thick)

C1--20 to 47 inches; reddish brown (5YR 5/4) silt loam, reddish brown (5YR 4/4) moist; weak coarse subangular blocky structure; hard, friable, moderately sticky and moderately plastic; few fine roots; many very fine and fine pores; common faint mycelia and concretions of calcium carbonate; few fine limestone pebbles; strongly effervescent; moderately alkaline; abrupt wavy boundary. (20 to several feet thick)

C2--47 to 65 inches; reddish brown (5YR 5/4) loam, reddish brown (5YR 4/4) moist; massive; hard, friable, moderately sticky and moderately plastic; about 5 percent pebbles; strongly effervescent with calcium carbonate disseminated and as coatings on pebbles and as few fine concretions; moderately alkaline.

TYPE LOCATION: Eddy County, New Mexico; 1730 feet north and 75 feet west of the southeast corner of Sec. 29, T. 16 S., R. 28 E.; Latitude 32 degrees 53 minutes 24 seconds and Longitude 104 degrees 11 minutes 22 seconds.

RANGE IN CHARACTERISTICS:

Soil depth - greater than 60 inches.

Soil moisture - soil moisture control section is usually dry in all parts more than three fourth of the time (cumulative) that the soil temperature exceeds 41 degrees F. The driest period is from October through May. Typic aridic moisture regime.

Reaction - slightly to moderately alkaline.

Particle size control section ranges from 18 to 35 percent clay and less than 15 percent fine and coarser sand.

Calcium carbonate equivalent ranges from 0 to 15 percent
Depth to free carbonates - 0 to 20 inches

A horizon
Hue: 2.5YR through 5YR.
Value: 4 or 5 dry and 3 or 4 moist.
Chroma: 3 or 4.

AC horizon
Hue: 2.5 YR through 7.5 YR.
Value: 5 or 6 dry and 3 through 5 moist.
Chroma: 3 to 4.

C horizon
Hue: 2.5YR through 7.5YR.
Value: 5 or 6 dry and 3 through 5 moist.
Chroma: 3 to 4.
Texture: very fine sandy loam, silt loam, clay loam, or silty clay loam.

COMPETING SERIES: The Tome (NM) soils. The Tome soils have a hue of 10YR.

GEOGRAPHIC SETTING: The Largo soils are on valley bottoms, terraces, alluvial fans, and piedmont slopes. Slopes range from 0 to 5 percent. They formed in loamy calcareous alluvium derived from redbed formations of Jurassic, Triassic, Permian and Pennsylvanian age. Elevations range from 4000 to 5500 feet. The average annual precipitation ranges from 8 to 12 inches, much of which falls in summer in heavy thunderstorms of short duration. The average annual air temperature is about 59 to 65 degrees F. The frost free period is 180 to 210 days.

GEOGRAPHICALLY ASSOCIATED SOILS: These are the Arno, Berino, Jal, Palomas and Tome soils. The Arno soils have more than 35 percent clay in the series control section and irregular distribution of organic matter throughout. Berino and Palomas soils have argillic horizons than contain more than 15 percent fine and coarser sand. The Jal soils have calcic horizons within 20 inches of the surface.

DRAINAGE AND PERMEABILITY: Well drained. Runoff is medium and permeability is moderate to moderately slow.

USE AND VEGETATION: Primarily used for livestock grazing but where water is available the soil is used for irrigated cropland. Native vegetation is black grama, blue grama, sideoats grama, bush muhly, tobosa grass, vine mesquite, mesquite, and creosotebush.

DISTRIBUTION AND EXTENT: Southern New Mexico. This soil occurs in LRR-D, MLRA 42. The soil is of moderate extent

MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Phoenix, Arizona

SERIES ESTABLISHED: Quay County, New Mexico, Eastern New Mexico reconnaissance survey, 1939

REMARKS: Diagnostic horizons and features recognized in this pedon are:

Ochric epipedon - The zone from the surface of the soil to a depth of 10 cm. (A horizon)

Entisol feature - lack of diagnostic horizon

Classified according to Soil Taxonomy Second Edition, 1999.

National Cooperative Soil Survey
U.S.A.

NAPP2206346222 | ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
Delineation GPS Location

Sample ID (SP)	Latitude	Longitude
1	32.84295492	-104.1409161
2	32.84295205	-104.1410853
3	32.84295524	-104.1412251
4	32.84297714	-104.1413727
5	32.84298958	-104.1415009
6	32.84307222	-104.1414412
7	32.84312043	-104.1417437
8	32.84312796	-104.1418909
9	32.84302232	-104.141951
10	32.84305234	-104.1420453
11	32.84294591	-104.1421024
12	32.84293301	-104.1422323
13	32.84288414	-104.142311
14	32.84277792	-104.1423051
15	32.84313017	-104.1421725
16	32.84321189	-104.1421356
17	32.84297057	-104.1416608
18	32.84305287	-104.1416545
19	32.84315136	-104.1420015
20	32.84327273	-104.1419573
21	32.84323597	-104.14184
22	32.84319422	-104.1417165
23	32.84315702	-104.1416292
24	32.84325214	-104.1416002
25	32.84330328	-104.1416672
26	32.84333383	-104.1417949
27	32.84338176	-104.1419012
28	32.84348553	-104.1418888
29	32.84344761	-104.141755
30	32.84341608	-104.1416283
31	32.8433612	-104.1415466
32	32.84346071	-104.1415051
33	32.8435284	-104.1415688
34	32.84355748	-104.1416987
35	32.84358549	-104.1418305
36	32.8437036	-104.141792
38	32.84362837	-104.141534
37	32.8436631	-104.1416508
39	32.84358191	-104.1414598
40	32.84370279	-104.1414122
41	32.84374526	-104.1414942
42	32.84378392	-104.1416235

TRINITY
OILFIELD SERVICES

NAPP2206346222 | ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
Delineation GPS Location

43	32.8438339	-104.1417492
44	32.84396855	-104.1418161
45	32.84392994	-104.1416768
46	32.84387182	-104.1415585
47	32.84385632	-104.1414395
48	32.84381179	-104.141375
49	32.84392137	-104.1413364
50	32.84396132	-104.1414001
51	32.84398631	-104.1415311
52	32.84402189	-104.1416655
53	32.84408336	-104.1417923
54	32.844101	-104.1419156
55	32.84423177	-104.1420015
56	32.84420936	-104.141886
57	32.84417737	-104.1417452
58	32.84413982	-104.1416352
59	32.8441052	-104.1414908
60	32.84406242	-104.1413615
61	32.84401392	-104.1413112
62	32.84418098	-104.1413281
63	32.84421206	-104.1414521
64	32.84423942	-104.1415738
65	32.84428696	-104.1417037
66	32.84432156	-104.1418288
67	32.84435538	-104.1419423
68	32.84446374	-104.1419237
69	32.84442201	-104.141808
70	32.84439969	-104.1416631
71	32.84436402	-104.1415359
72	32.84432838	-104.1414079
73	32.84428624	-104.1412785
74	32.84438361	-104.1412322
75	32.84440166	-104.141362
76	32.8444293	-104.1415043
77	32.84448265	-104.1416288
78	32.8445309	-104.1417535
79	32.84455804	-104.1418797
80	32.84462037	-104.1419959
81	32.84449568	-104.1411501
82	32.84458826	-104.1411708
89	32.84470812	-104.1411513
83	32.84459579	-104.1410614
84	32.84470467	-104.1410044
85	32.84479669	-104.1409249

TRINITY
OILFIELD SERVICES

NAPP2206346222 | ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
Delineation GPS Location

86	32.84490017	-104.1408476
87	32.84500724	-104.1408038
88	32.84513313	-104.1407982
90	32.84525318	-104.1408347
91	32.84537138	-104.1408984
92	32.8454419	-104.1409741
93	32.84543917	-104.1410741
95	32.84556545	-104.1410418
94	32.84552484	-104.1409518
97	32.84560962	-104.1409165
96	32.84566286	-104.1410193
98	32.84570215	-104.1411213
100	32.84578251	-104.1409932
99	32.84581946	-104.1411203
101	32.84586009	-104.1411938
102	32.84598076	-104.1411983
106	32.845859	-104.140961
103	32.84594309	-104.1410939
107	32.84598042	-104.14087
105	32.84601521	-104.141048
104	32.84605368	-104.1412899
108	32.84611992	-104.1414137
110	32.84627465	-104.141506
109	32.84615047	-104.1415633
1 N	32.84299426	-104.1409065
1 E	32.84295686	-104.1407878
1 S	32.84291109	-104.1409182
2 S	32.84290408	-104.1410771
2 N	32.84299161	-104.1410722
3 N	32.84299619	-104.1412046
3 S	32.84291012	-104.1412258
4 N	32.84301993	-104.141338
4 S	32.84292757	-104.1413744
5 N	32.84302687	-104.1414694
5 S	32.84294979	-104.1415058
6 N	32.84310396	-104.1414182
6 S	32.84302896	-104.1414149
6 E	32.84306021	-104.1413653
7 S	32.84304701	-104.141762
10 SW	32.84302062	-104.1421422
11 W	32.84298312	-104.1421662
11 E	32.84290604	-104.1420587
12 W	32.84300674	-104.1423406
12 E	32.84296368	-104.1422398

NAPP2206346222 | ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
Delineation GPS Location

13 W	32.84287826	-104.1423794
13 E	32.84285951	-104.1422522
14 E	32.8427616	-104.142224
14 W	32.84276924	-104.1423745
14 S	32.84270882	-104.1423084
15 W	32.84316785	-104.1422728
15 S	32.84308312	-104.142186
16 N	32.84329145	-104.1421116
16 W	32.84324701	-104.1422431
17 W	32.84291924	-104.1417612
17 S	32.84283104	-104.1417521
17 E	32.84292271	-104.1415835
20 W	32.84331507	-104.1420042
23 E	32.84313868	-104.1414917
24 E	32.84324632	-104.1414496
27 W	32.84337548	-104.1419596
28 W	32.84350951	-104.1419761
31 E	32.84335118	-104.1414058
32 E	32.84346367	-104.141371
35 W	32.84361992	-104.1419067
36 W	32.84371437	-104.1418579
39 E	32.84355673	-104.1413066
40 E	32.84368381	-104.1412884
43 W	32.84384839	-104.1418587
44 S	32.84391297	-104.1418504
44 W	32.84397572	-104.1418759
48 E	32.843772	-104.1412198
49 E	32.84388589	-104.1411909
54 S	32.84403623	-104.1419667
54 W	32.84412053	-104.1420059
55 W	32.84426505	-104.1420678
61 E	32.84400255	-104.1411983
62 E	32.8441338	-104.1411818
67 W	32.84436921	-104.1420125
68 W	32.84448379	-104.1420191
73 E	32.84425047	-104.1411305
74 N	32.84446018	-104.1412801
74 E	32.84435602	-104.1410809
75 N	32.84444213	-104.1413752
76 N	32.84446018	-104.1414917
77 N	32.84453171	-104.1416066
78 N	32.84461435	-104.1417108
79 N	32.84461504	-104.1418571
80 N	32.84470046	-104.1420058

NAPP2206346222 | ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
Delineation GPS Location

80 S	32.84459421	-104.1420215
81 W	32.84451921	-104.1412446
81 E	32.84446088	-104.1410322
82 W	32.84460462	-104.1412413
83 E	32.84456088	-104.1409793
83 W	32.84461296	-104.1410958
84 W	32.84472684	-104.1410545
84 E	32.84466782	-104.1409098
85 W	32.84481295	-104.1409569
85 E	32.84476573	-104.1408313
86 W	32.84490878	-104.1409057
86 E	32.84486573	-104.1407511
87 E	32.84498795	-104.1406528
87 W	32.8450185	-104.1409032
88 W	32.84514072	-104.1408983
88 E	32.84512128	-104.1407148
89 N	32.84476295	-104.1411429
89 E	32.84468796	-104.1410999
89 W	32.84470254	-104.1412173
90 E	32.84525183	-104.140771
90 W	32.84525322	-104.14089
91 E	32.84537057	-104.140842
92 S	32.84537891	-104.1409892
93 S	32.84537057	-104.1411297
93 W	32.84546849	-104.1411801
94 E	32.84549696	-104.1408288
95 W	32.84556293	-104.1411429
97 N	32.84566709	-104.1408429
97 E	32.84558307	-104.1407867
98 W	32.84569209	-104.1411851
100 E	32.84573652	-104.1409058
102 N	32.84606291	-104.1411479
102 S	32.84592958	-104.1412454
104 S	32.84602055	-104.141314
104 N	32.84609207	-104.1412768
105 N	32.84603374	-104.1410057
105 S	32.84598374	-104.1410206
106 N	32.84589347	-104.1409388
107 N	32.84607541	-104.1407842
107 E	32.845965	-104.1408181
108 S	32.84608235	-104.1414182
108 N	32.84614763	-104.1413942
109 W	32.84616275	-104.1416928
109 S	32.84609485	-104.1415802

TRINITY
OILFIELD SERVICES

NAPP2206346222 | ROE WATER TRANSFER LINE OFF TURKEY TRACT RD
Delineation GPS Location

110 E	32.8462879	-104.1414735
110 W	32.84630067	-104.1415507
110 N	32.84640664	-104.1415025
100 N	32.84582322	-104.1408758
103 W	32.84584929	-104.1412441
99 N	32.84593891	-104.1410228
107 W	32.84601013	-104.1408867

Form C-141 State of New Mexico
Page 5 Oil Conservation Division

Incident ID	NAPP2206346222
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: David Cain Title: Engineering Technologist & Regulatory Specialist

Signature: David Cain Date: 6/20/2023

email: david.cain@longfellowenergy.com Telephone: 972-590-9918

OCD Only

Received by: Shelly Wells Date: 6/22/2023

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Robert Hamlet Date: 6/23/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 230884

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 230884
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Longfellow has petitioned the USFWS/FGDC and had the Wetland boundaries redefined for the mapped Wetland adjacent to this release. The release is no longer in the set back area. At this time, the OCD Approves the Site Assessment recommendation of 51'-100' depth to groundwater. All off pad areas must meet reclamation standards for the upper four feet of soil as set forth in 19.15.29 NMAC. For contamination that may exist on, under, or directly adjacent to Turkey Tract Road, OCD requests Longfellow communicate with Eddy County Road Department to ascertain any requirements for excavation near this county road. Obtain a written statement from the County and include it in the report. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. A Variance has been approved for 500 ft2 confirmation sample size.	6/23/2023