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	nAPP2222236588
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Goodnight Midstream Permian, LLC	OGRID 372311
Contact Name Ralph Tijerina	Contact Telephone (214) 444-7001
Contact email rtijerina@goodnightmidstream.com	Incident # *(assigned by OCD)* nAPP2222236588
Contact mailing address 5910 N Central Expy, Suite 800, Dallas, TX 75206	

Location of Release Source

Latitude 32.472935 Longitude -103.216814
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Nolan Ryan to Piper Pipeline	Site Type SWD
Date Release Discovered 8/9/2022	API# *(if applicable)* 30-025-45349

Unit Letter	Section	Township	Range	County
O, B	13, 24	21 S	36 E	Lea

Surface Owner: ☑ State ☐ Federal ☐ Tribal ☑ Private (*Name:* DASCO CATTLE CO LLC)

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) 2,778	Volume Recovered (bbls) 200
	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 The release was attributed to the failure of a 16-inch poly produced water transfer line.

Form C-141
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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222236588
District RP	
Facility ID	
Application ID	

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? The release was larger than 25 bbls.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes, by Ralph Tijerina to the OCD on 8/9/2022 via the Notice of a Release online 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.
- ☑ 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: Ralph Tijerina Title: EHS Director

Signature: Ralph Tijerina Date: 08/17/2022

email: rtijerina@goodnightmidstream.com Telephone: (214) 444-7001

OCD Only

Received by: Jocelyn Harimon Date: 08/17/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222236588
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?	>140 (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2222236588
District RP	
Facility ID	
Application ID	

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: Ralph Tijerina Title: EHS Director

Signature: Ralph Tijerina Date: 08/17/2022

email: rtijerina@goodnightmidstream.com Telephone: (214) 444-7001

OCD Only

Received by: Jocelyn Harimon Date: 08/17/2022

SPILL VOLUME CALCULATIONS

INPUT DATA:

Total Area Calculations

Total Surface Area					saturated soil depth		% oil
Known Area #1	0	acres	or	65000 sq. ft.	36	in	0%
Known Area #2	0	acres	or	0 sq. ft.	0	in	0%
Known Area #3	0	acres	or	0 sq. ft.	0	in	0%
Known Area #4	0	acres	or	0 sq. ft.	0	in	0%
	width			**length**			
Rectangle Area #1	0	ft		0 ft	0	in	0%
Rectangle Area #2	0	ft		0 ft	0	in	0%
Rectangle Area #3	0	ft		0 ft	0	in	0%
Rectangle Area #4	0	ft		0 ft	0	in	0%
	diameter				**saturated soil depth**		**% oil**
Circle Area #1	0	ft			0	in	0%
Circle Area #2	0	ft			0	in	0%
Circle Area #3	0	ft			0	in	0%
Circle Area #4	0	ft			0	in	0%

Standing Liquid Calculations

Total Surface Area					liquid depth		% oil
Known Area #1	0	acres	or	0 sq. ft.	0	in	0%
Known Area #2	0	acres	or	0 sq. ft.	0	in	0%
Known Area #3	0	acres	or	0 sq. ft.	0	in	0%
Known Area #4	0	acres	or	0 sq. ft.	0	in	0%
	width			**length**			
Rectangle Area #1	0	ft		0 ft	0	in	0%
Rectangle Area #2	0	ft		0 ft	0	in	0%
Rectangle Area #3	0	ft		0 ft	0	in	0%
Rectangle Area #4	0	ft		0 ft	0	in	0%
	diameter				**liquid depth**		**% oil**
Circle Area #1	0	ft			0	in	0%
Circle Area #2	0	ft			0	in	0%
Circle Area #3	0	ft			0	in	0%
Circle Area #4	0	ft			0	in	0%

Amount of Free Liquid Recovered: 200 bbl

Percentage of Oil in Free Liquid Recovered: 0%

Liquid Holding Factor*: 0.08 gal liquid/gal soil

(see below)

Use the following when the spill wets the grains of the soil.

* sand = .08 gallon liquid per gallon volume of soil.
* gravelly (caliche) loam = .14 gallon liquid per gallon volume of soil.
* sandy clay loam soil = .14 gallon liquid per gallon volume of soil.
* clay loam = .16 gallon liquid per gallon volume of soil.

Use the following when the liquid completely fills the pore space of the soil:

Occurs when the spill soaked soil is contained by barriers, natural (or not).

* gravelly (caliche) loam = .25 gallon liquid per gallon volume of soil.
* sandy loam = .5 gallon liquid per gallon volume of soil.

OUTPUT DATA:

Saturated Soil Volume Calculations

	Surface Area		Volume		Water (cu. Ft.)	Oil (cu. Ft.)
Known Area #1	65000	sq. ft.	195000	cu. ft.	15600	0
Known Area #2	0	sq. ft.	0	cu. ft.	0	0
Known Area #3	0	sq. ft.	0	cu. ft.	0	0
Known Area #4	0	sq. ft.	0	cu. ft.	0	0
Rectangle Area #1	0	sq. ft.	0	cu. ft.	0	0
Rectangle Area #2	0	sq. ft.	0	cu. ft.	0	0
Rectangle Area #3	0	sq. ft.	0	cu. ft.	0	0
Rectangle Area #4	0	sq. ft.	0	cu. ft.	0	0
Cirlce Area #1	0	sq. ft.	0	cu. ft.	0	0
Cirlce Area #2	0	sq. ft.	0	cu. ft.	0	0
Cirlce Area #3	0	sq. ft.	0	cu. ft.	0	0
Cirlce Area #4	0	sq. ft.	0	cu. ft.	0	0
Total	**65000**	**sq. ft.**	**195000**	**cu. ft.**	**15600.0**	**0**

Free Liquid Volume Calculations

	Surface Area		Volume		Water (cu. Ft.)	Oil (cu. Ft.)
Known Area #1	0	sq. ft.	0	cu. ft.	0	0
Known Area #2	0	sq. ft.	0	cu. ft.	0	0
Known Area #3	0	sq. ft.	0	cu. ft.	0	0
Known Area #4	0	sq. ft.	0	cu. ft.	0	0
Rectangle Area #1	0	sq. ft.	0	cu. ft.	0	0
Rectangle Area #2	0	sq. ft.	0	cu. ft.	0	0
Rectangle Area #3	0	sq. ft.	0	cu. ft.	0	0
Rectangle Area #4	0	sq. ft.	0	cu. ft.	0	0
Cirlce Area #1	0	sq. ft.	0	cu. ft.	0	0
Cirlce Area #2	0	sq. ft.	0	cu. ft.	0	0
Cirlce Area #3	0	sq. ft.	0	cu. ft.	0	0
Cirlce Area #4	0	sq. ft.	0	cu. ft.	0	0
Total	**0**	**sq. ft.**	**0**	**cu. ft.**	**0**	**0**

Liquid Recovered

Volume	Water (cu. Ft.)	Oil (cu. Ft.)
1122.92	1122.92	0

Total Contaminated Volume: 195,000.0 cu. ft. 7,222.2 yds.

	Water	Oil
Total Free Liquid:	0.0 BBL	0.0 BBL

Estimated Volumes Spilled

	Water	Oil
Liquid in Soil:	2,778.3 BBL	0.0 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Free Liquid Recovered:	200.0 BBL	0.0 BBL
Total Liquid Spilled:	**2,978.3 BBL**	**0.0 BBL**
	125,087.4 gal	**0.0 gal**

Estimated Surface Damage

Surface Area: 65,000.0 sq. ft.

Surface Area: 1.5 acres

Recovered Volumes

Estimated oil recovered: 0.0 BBL

Estimated water recovered: 200.0 BBL

Alternative Sampling Plan, Site Assessment, and Characterization Report

Goodnight Midstream Permian, LLC
Nolan Ryan to Piper Pipeline
Lea County, New Mexico
Unit Letter O, B, Section 13, 24, Township 21 South, Range 36 East
Latitude 32.472935 North, Longitude 103.216814 West
NMOCD Reference No. nAPP2222236588

Prepared By:

Etech Environmental & Safety Solutions, Inc.
2617 W. Marland
Hobbs, New Mexico 88240

Matthew Grieco

Joel W. Lowry

Midland • San Antonio • Lubbock • Hobbs • Lafayette

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FIGURES

APPENDICES

1.0 INTRODUCTION

On August 9, 2022, a reportable release was discovered along the Nolan Ryan to Piper produced water transfer line (the Site) owned by Goodnight Midstream Permian, LLC (Goodnight). The failure of a section of the transfer line resulted in the release of approximately 2,778 barrels of produced water. During initial response activities a vacuum truck was utilized to recover approximately 200 barrels of free standing fluid. The release affected the pasture area south of the Nolan Ryan Salt Water Disposal pad (API Number 30-025-45349), extending to pasture areas southeast and southwest of the pad. The Site is within Unit Letter O, Section 13 and Unit Letter B, Section 24 of Township 21 South, Range 36 East in Lea County, New Mexico. The affected land in Unit Letter O is owned by Dasco Cattle Co., LLC, while the affected land in Unit Letter B is owned by the State of New Mexico.

2.0 NMOCD SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using historic gauging data, data generated by numeric models based on available water well data and/or published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	> 140 Feet
Did the 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 any 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 the 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

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2, 4, and 5.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as follows:

Probable Depth to Groundwater	Constituent	Method	Closure Criteria	Reclamation Standard*
> 140 Feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg	100 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1,000 mg/kg	-
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg	10 mg/kg

* The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas.

4.0 BACKGROUND

Upon discovering the release, Goodnight contacted Etech Environmental & Safety Solutions, Inc., (Etech) to handle remediation activities at the Site. On August 11, 2022, Etech began remediation activities. A hydrovac was used to excavate the impacted area around the transfer line, and a bulldozer was used to scrape the impacted area in an effort to inhibit the migration of contaminants remaining in-situ.

A site location and topographic map is provided as Figure 1. A An aerial proximity map of nearby features of interest is provided as Figure 2. A map of the impacted area is provided as Figure 3a. A photographic log of the impacted area and excavation activities is provided as Appendix B.

5.0 PROPOSED ALTERNATIVE SAMPLING PLAN

Based on the size and nature of the release, the thorough initial investigation, the prompt initial response, and the estimated depth to groundwater, Etech requests permission to collect excavation confirmation samples representing every 500 square feet. Etech believes that the lack of variability in surface topography and the relatively shallow depth of contaminant intrusion justify the relaxation of sampling frequency.

The proposed alternative sampling plan is detailed in Figure 3b, which depicts the area to be sampled; and in Figure 3c, which depicts the differences between the standard and alternative sampling plans.

6.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Alternative Sampling Plan, Site Assessment, and Characterization Report* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Goodnight Midstream Permian, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Goodnight Midstream Permian, LLC.

7.0 DISTRIBUTION

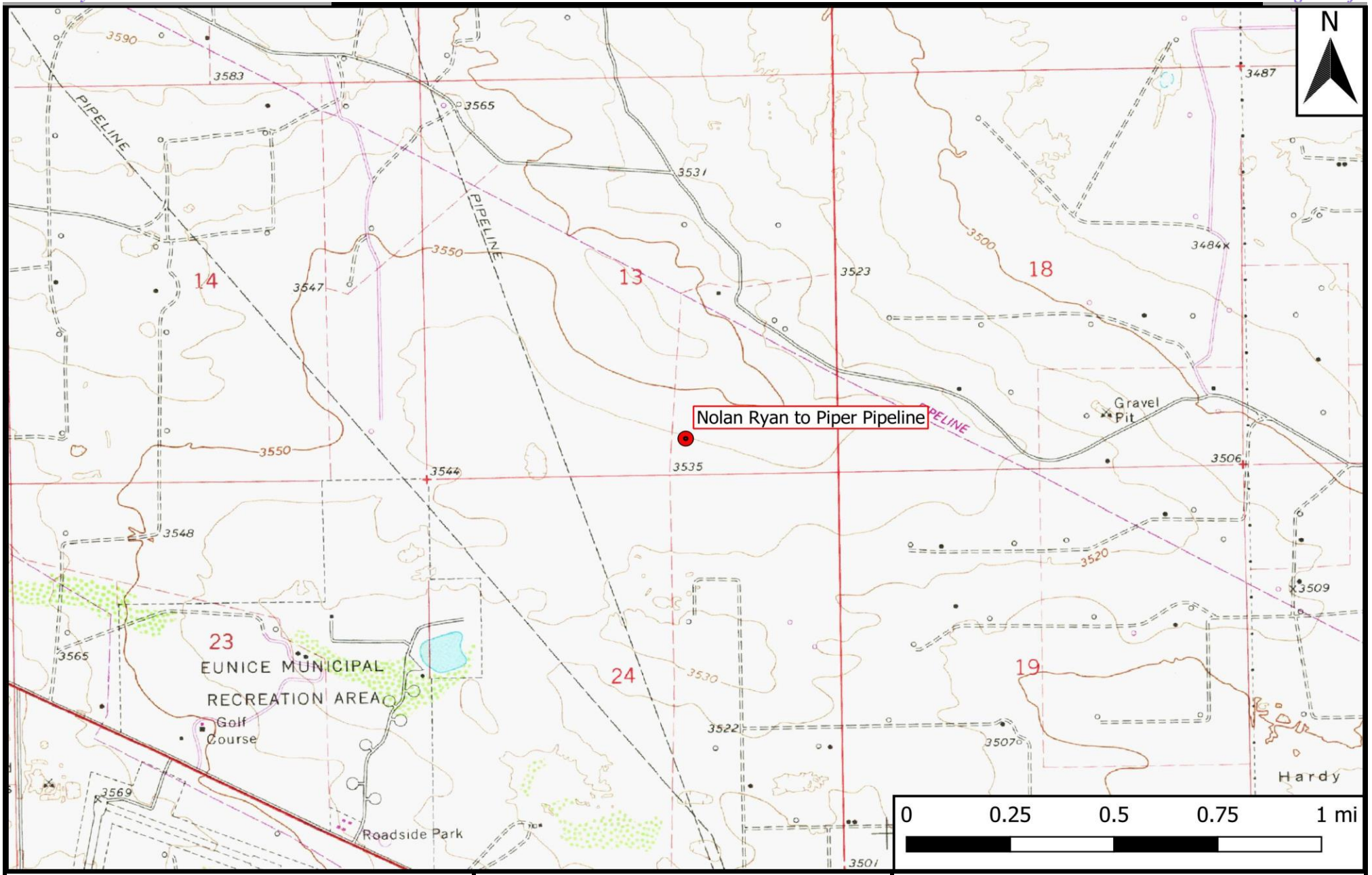
Goodnight Midstream Permian, LLC
5910 N Central Expy
Suite 800
Dallas, TX 75206

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

Hobbs Field Office
New Mexico State Land Office
2827 North Dal Paso Street
Suite 117
Hobbs, NM 88240

(Electronic Submission)

Figure 1
Topographic Map



Legend

- Site Location

Figure 1

Topographic Map

Goodnight Midstream Permian, LLC

Nolan Ryan to Piper Pipeline

GPS: 32.472935, -103.216814

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 8/10/22

Figure 2
Aerial Proximity Map

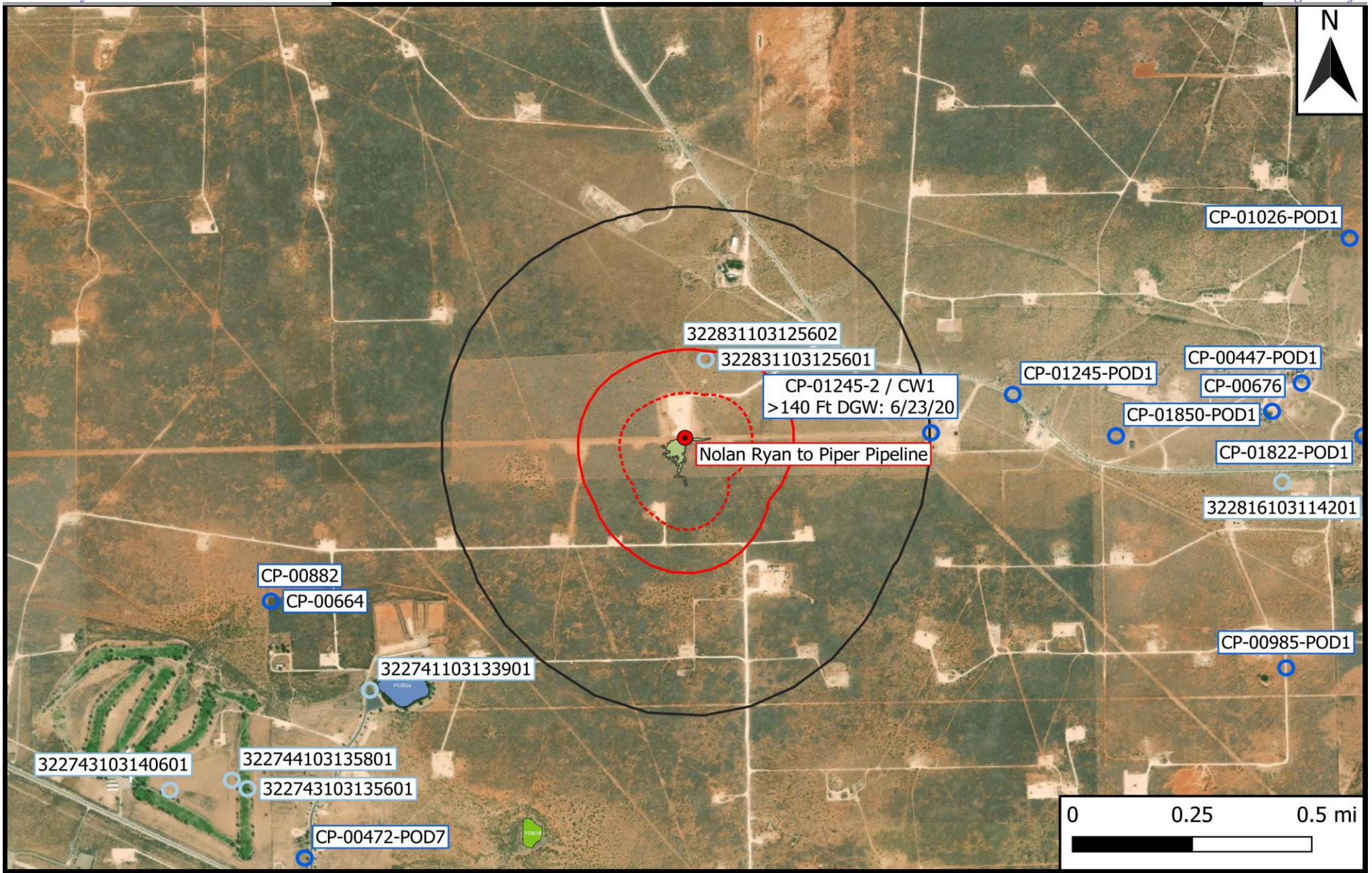
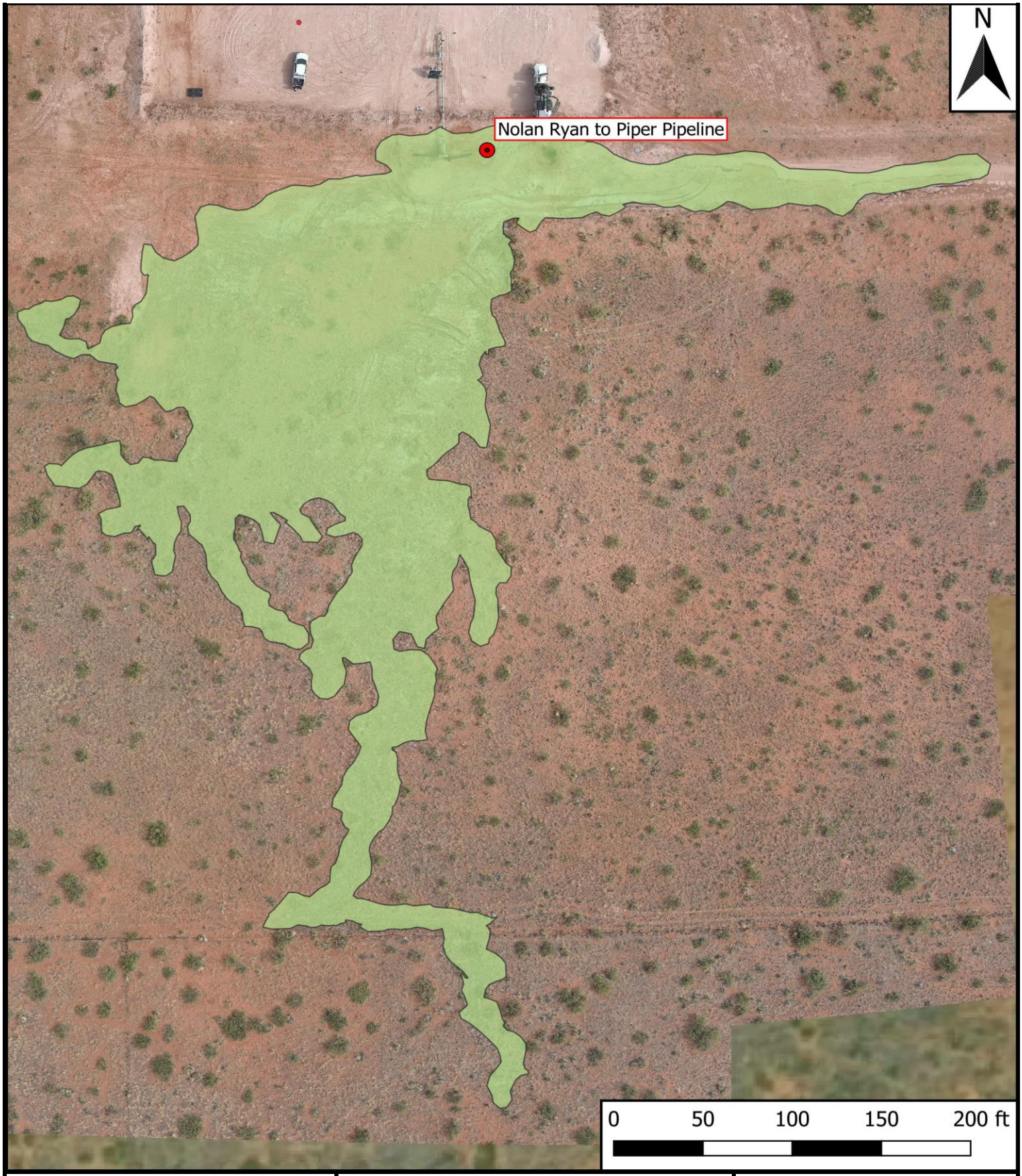


Figure 2
Aerial Proximity Map
Goodnight Midstream Permian, LLC
Nolan Ryan to Piper Pipeline
GPS: 32.472935, -103.216814
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 8/16/22

Figure 3
Site Location Map,
Proposed Alternative Sampling Plan Map, and
Sampling Plan Comparison Diagram



Legend

- Site Location
- Release Area - 65,275 Sq Ft

Figure 3a

Site Location Map

Goodnight Midstream Permian, LLC

Nolan Ryan to Piper Pipeline

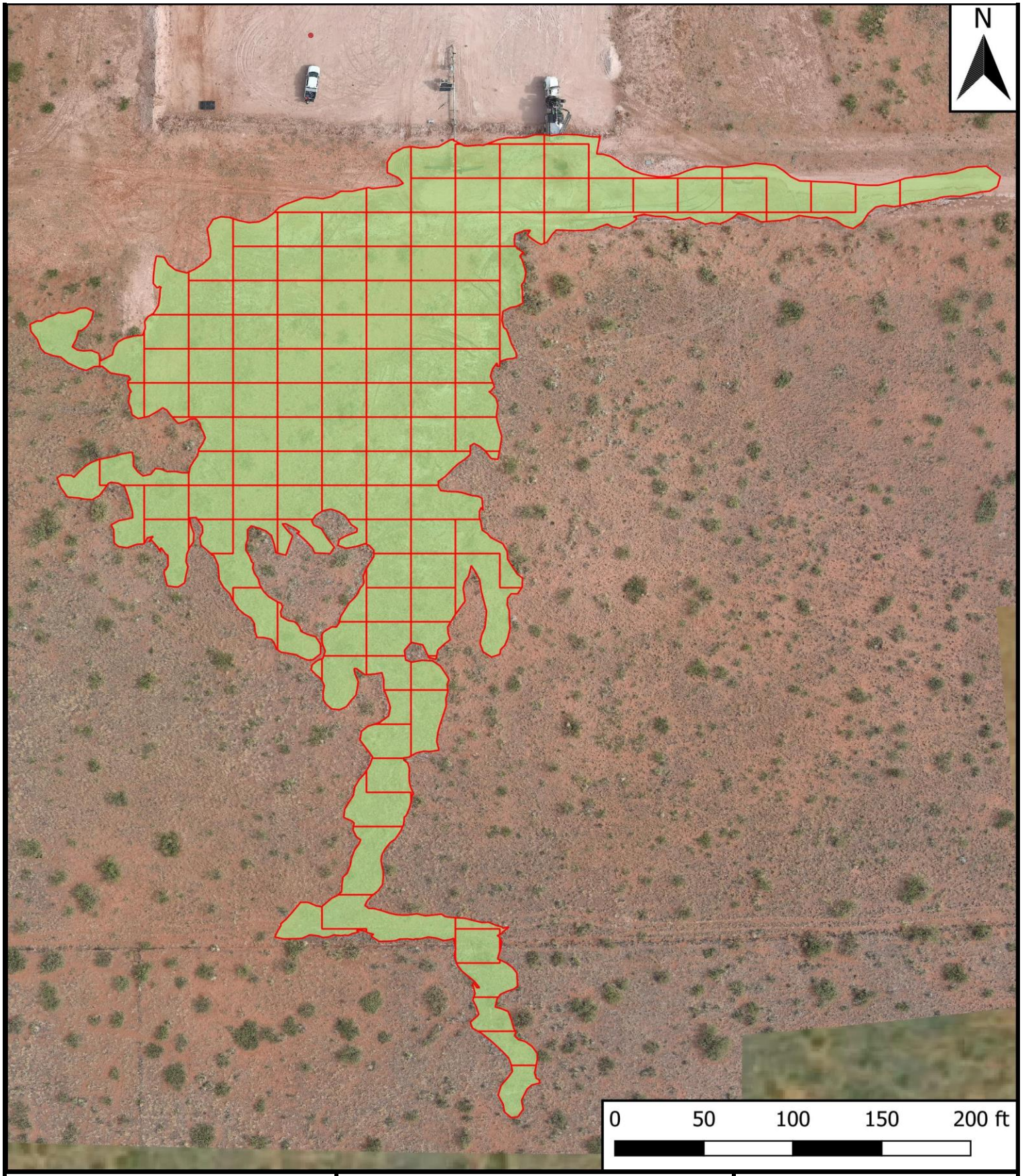
GPS: 32.472935, -103.216814

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl Date: 8/15/22



Legend

- Sample Grid
  500 Sq Ft/Sample Maximum
  124 Floor Sample Count
- Release Area

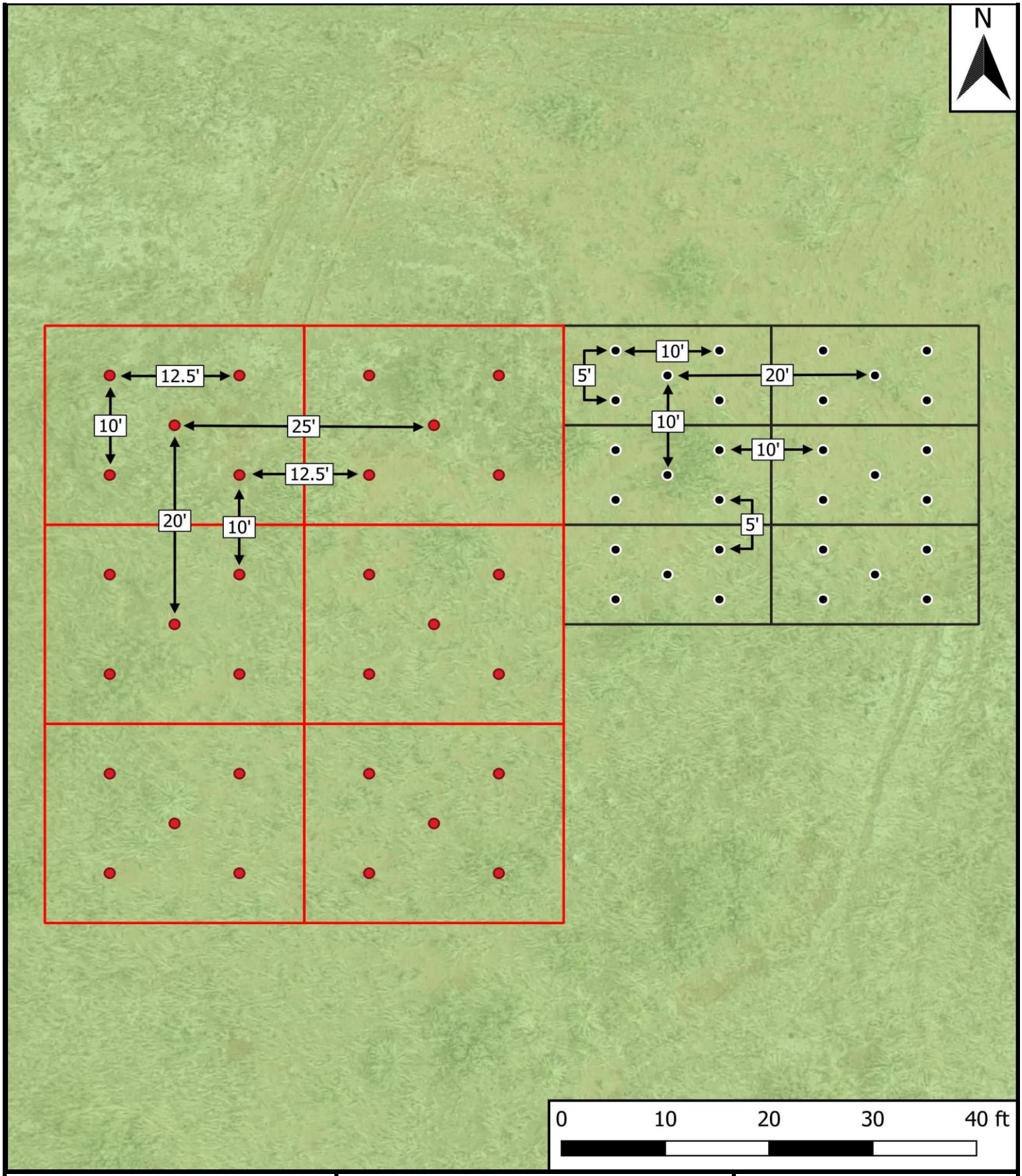
Figure 3b

Proposed Alternative Sampling Plan Map
Goodnight Midstream Permian, LLC
Nolan Ryan to Piper Pipeline
GPS: 32.472935, -103.216814
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl Date: 8/15/22



- 5-Point Composite - 200 Sq Ft
- 5-Point Composite - 500 Sq Ft
- Sample Grid - 200 Sq Ft
- Sample Grid - 500 Sq Ft
- Release Area

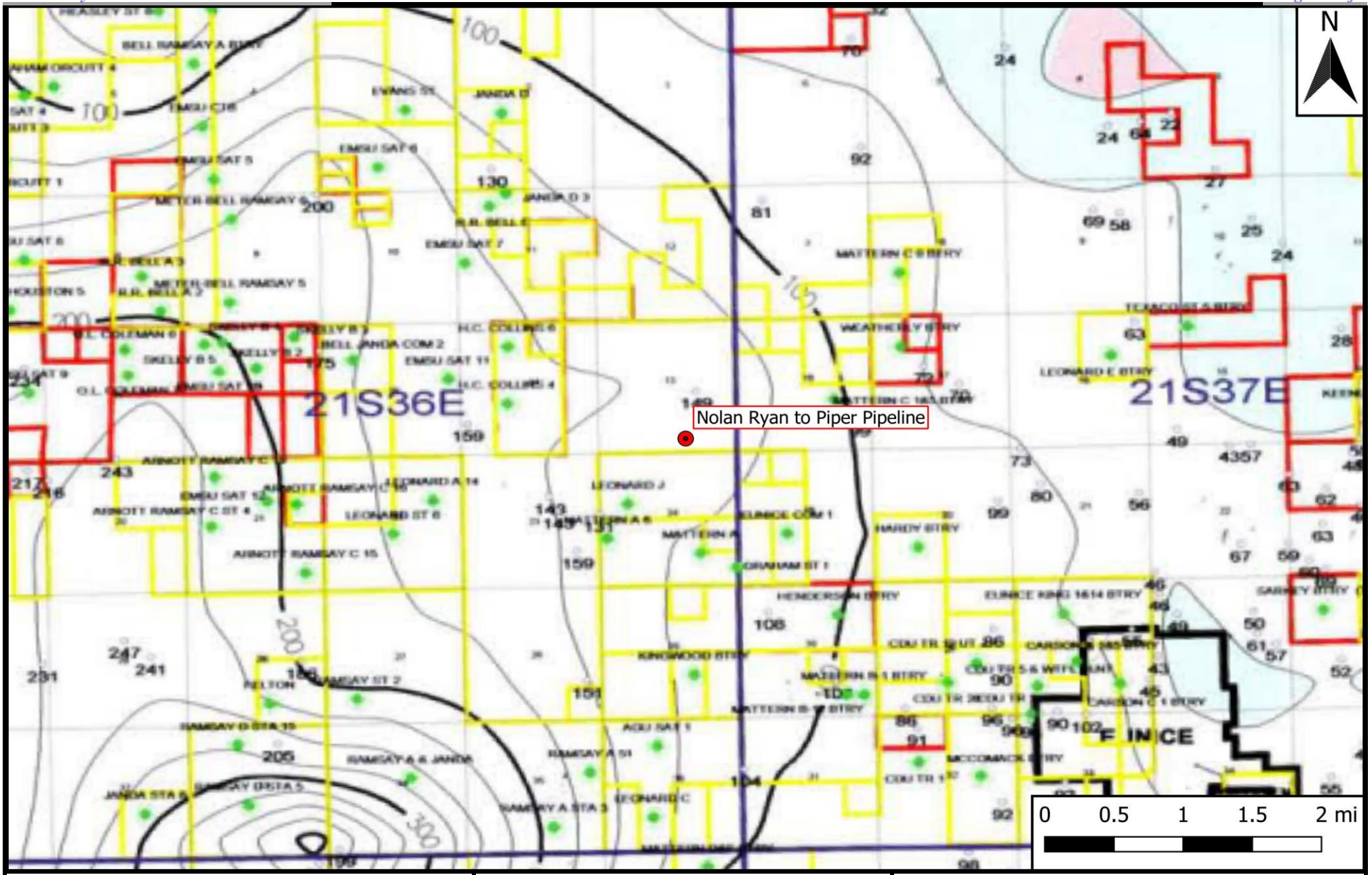
Figure 3c

Sampling Plan Comparison Diagram
Goodnight Midstream Permian, LLC
Nolan Ryan to Piper Pipeline
GPS: 32.472935, -103.216814
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag
Checked: jwl Date: 8/15/22

Appendix A
Depth to Groundwater Information



Legend

Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Goodnight Midstream Permian, LLC

Nolan Ryan to Piper Pipeline

GPS: 32.472935, -103.216814

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 8/10/22

eTECH Environmental & Safety Solutions, Inc.

Ground Water Sampling Log

Well ID: CW 1
Date: 6/23/20

Site Description/Construction Detail

Project: Piper SWD
Personnel: JR JL
Well Description/Location: Collapsed well #1
Total Depth[a] (ft bmp): 140.12
Type of Well: ☐ Monitor ☐ Recovery ☐ Potable ☐ Irrigation ☑ Other:
Casting Material: ☑ PVC ☐ Steel ☐ Other: Diameter: ☐ 2" ☐ 4" ☐ 6" ☒ Other: 8" Screen Int.
Condition of Seal: ☑ Good ☐ Poor ☐ Needs Repair ☐ Other: Well Locked? ☐ Y ☒ N

Gauging Data

Static Water Level[b] (ft bmp) N/A Time 12:30 Measure Point Descripton North
Comments: Dry well

Well Purge Data

Volume Factors[c]					
Dia (in.)	2"	3"	4"	5"	6"
Gal/ft	0.163	0.367	0.623	1.02	1.469

Well Volume ((a-b) x c) = N/A gal
Purging Volume (3 x Well Vol) = N/A gal
Well Purging Method: ☐ Submersible ☐ Perisaltic ☐ Bailer ☐ Other: Depth pump set (ft bmp) N/A

Water Quality Indicator Parameters

Time	Cumulative Gallons Purged	Temp (°C)	Ph (Su)	Specific Cond. (mS/cm)	TDS (g/l)	Do (mg/l)	Orp (mV)

Recording Interval: Traditional volume purge - every $^1/_2$ well volumn; Low flow - every 3-5 min, drawnown should not exceed 0.33ft during purging.

Total Gallons Purged 0 Approximate Discharge Rate (gpm): 0

Sample Data

Sample Collection Method: ☐ Submersible ☐ Peristalitc ☐ Bailer ☐ Other: Sample Time:
Duplicate Collected? ☐ Y ☒ N

Comments

Dry well

Stability Criteria
* Ph: ±0.1
* SC: ±5%, for SC ≤ 100 µS/cm; ±3%, For Sc > 100 µS/cm
* DO: ±10%or 0.3 mg/l (whichever is greater)
* Temp: ±0.22°C (USGS for thermistor)

Sampling tubing left in well? ☐ Y ☒ N
If so, **length** (ft)?

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00446 POD1		CP	LE	1	4	4	13	21S	36E	667871	3594424*	340	185	148	37
CP 00446 POD2		CP	LE	1	4	4	13	21S	36E	667871	3594424*	340	200	151	49

Average Depth to Water: **149 feet**
Minimum Depth: **148 feet**
Maximum Depth: **151 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 667572.71 **Northing (Y):** 3594259.25 **Radius:** 804.67

***UTM location was derived from PLSS - see Help**

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
	CP 00446 POD1	1	4	4	13	21S	36E	667871	3594424*

Driller License:		**Driller Company:**			
Driller Name:	FRANK TURNER				
Drill Start Date:	10/31/1915	**Drill Finish Date:**	10/31/1915	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:	TURBIN	**Pipe Discharge Size:**	2.25	**Estimated Yield:**	100 GPM
Casing Size:	8.63	**Depth Well:**	185 feet	**Depth Water:**	148 feet

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer

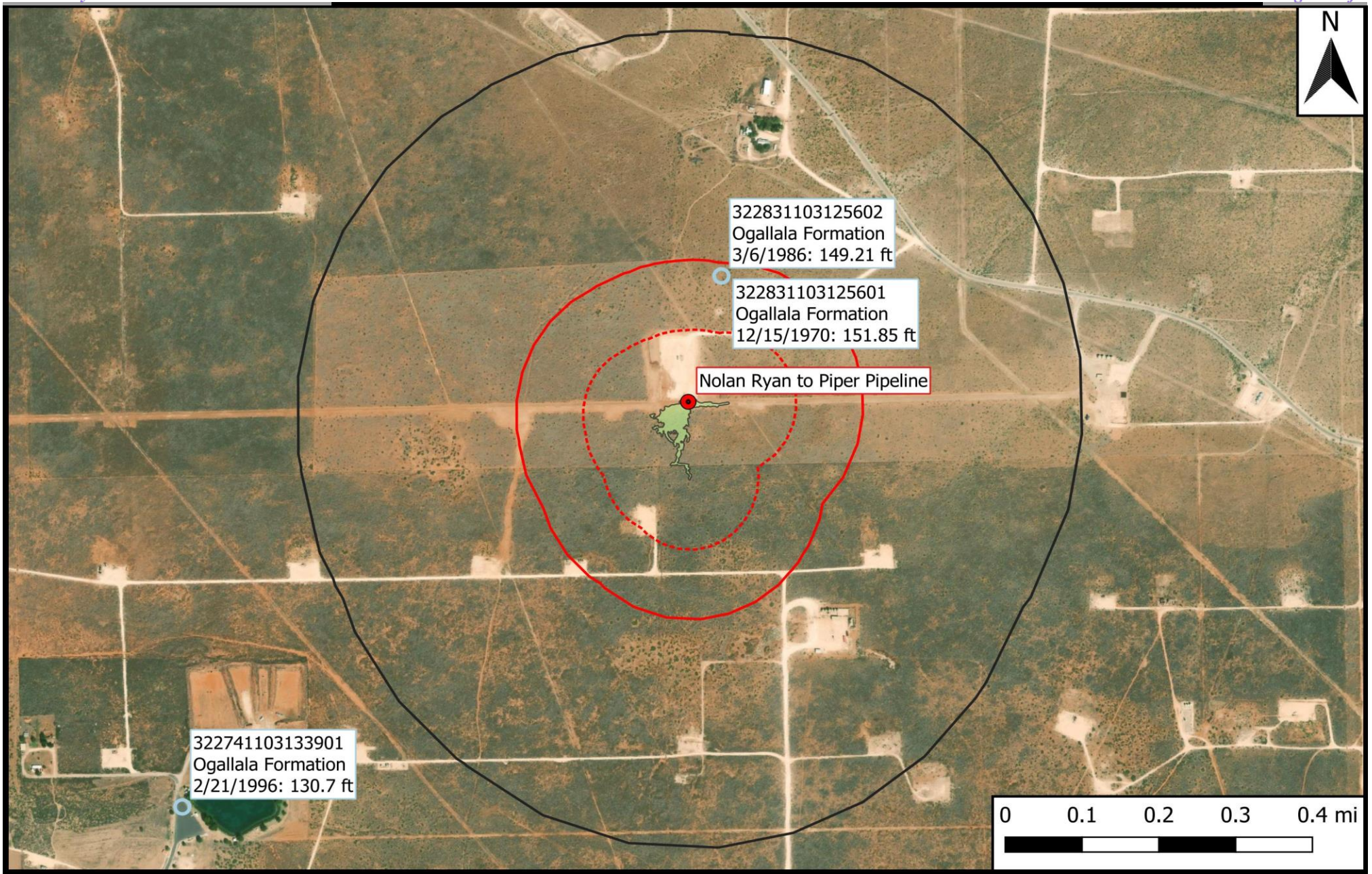
Point of Diversion Summary

(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
	CP 00446 POD2	1	4	4	13	21S	36E	667871	3594424*

Driller License:		**Driller Company:**			
Driller Name:	GRDAY ROBERTS				
Drill Start Date:	12/31/1945	**Drill Finish Date:**	12/31/1945	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:	TURBIN	**Pipe Discharge Size:**	4	**Estimated Yield:**	120 GPM
Casing Size:	8.63	**Depth Well:**	200 feet	**Depth Water:**	151 feet

***UTM location was derived from PLSS - see Help**



Legend

- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius
- Site Location
- Well - USGS
- Release Area

Figure 5

USGS Well Proximity Map

Goodnight Midstream Permian, LLC

Nolan Ryan to Piper Pipeline

GPS: 32.472935, -103.216814

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 8/16/22

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322831103125601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

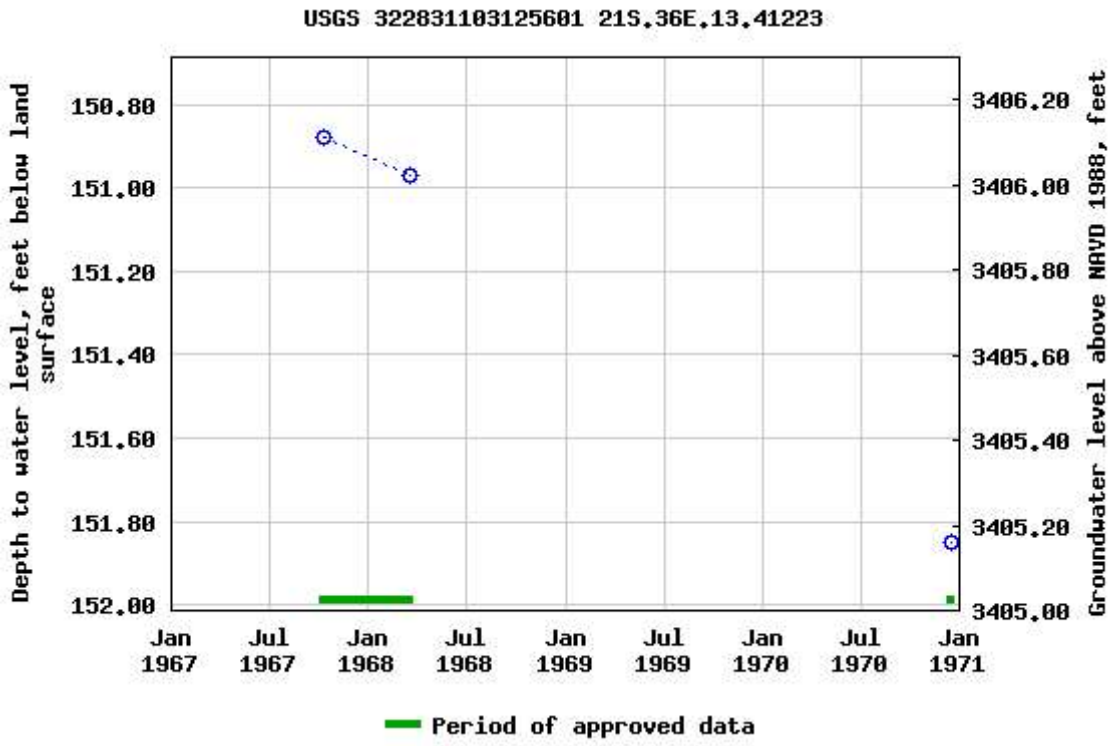
USGS 322831103125601 21S.36E.13.41223

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°28'31", Longitude 103°12'56" NAD27
Land-surface elevation 3,557 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-08-10 12:19:58 EDT
0.63 0.55 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322831103125602

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

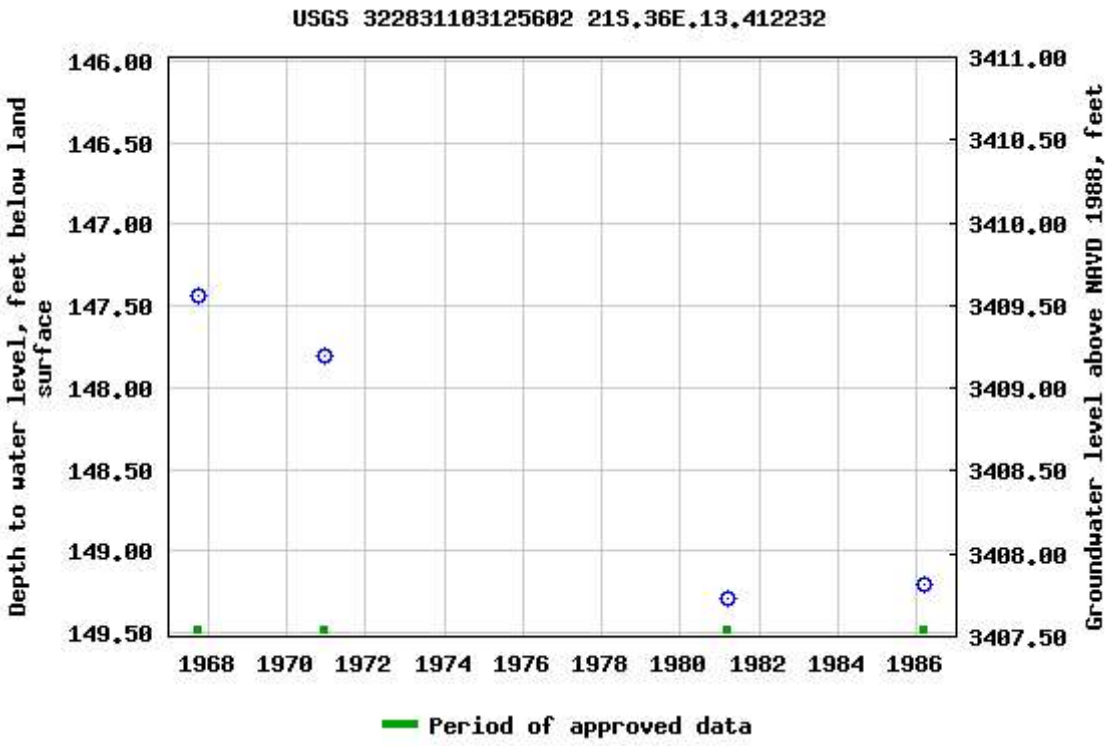
USGS 322831103125602 21S.36E.13.412232

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°28'31", Longitude 103°12'56" NAD27
Land-surface elevation 3,557 feet above NAVD88
The depth of the well is 185 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
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Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-08-10 12:19:52 EDT
0.55 0.5 nadww01

Appendix B
Photographic Log

Photographic Log

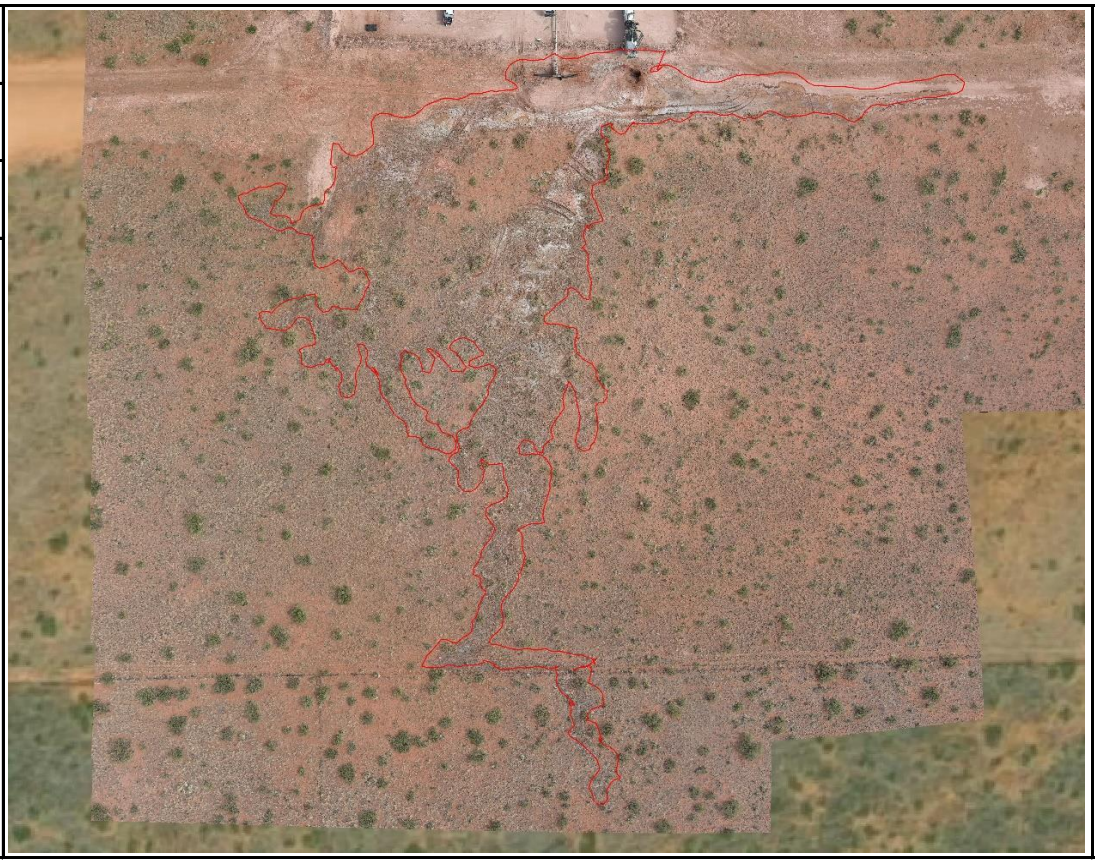
Photo Number: 1 **Photo Direction:** Top-Down **Date:** 8/11/2022 **Photo Description:** Composited aerial view of release area georeferenced and overlayed on ESRI satellite imagery. Release area is outlined in red.	

Photo Number: 2 **Photo Direction:** West **GPS:** 32.47293, -103.21667 **Date:** 8/12/2022 **Photo Description:** View of hydrovac being used to excavate pipeline segment.	

Photographic Log

Photo Number: 3 **Photo Direction:** East **GPS:** 32.47279, -103.21760 **Date:** 8/12/2022 **Photo Description:** View of release area after initial scraping.	

Photo Number: 4 **Photo Direction:** North **GPS:** 32.47279, -103.21760 **Date:** 8/12/2022 **Photo Description:** View of release area after initial scraping.	

Photographic Log

Photo Number: 5 **Photo Direction:** South **GPS:** 32.47279, -103.21760 **Date:** 8/12/2022 **Photo Description:** View of release area after initial scraping.	

Photo Number: 6 **Photo Direction:** Southwest **GPS:** 32.47279, -103.21760 **Date:** 8/12/2022 **Photo Description:** View of release area after initial scraping.	

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
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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 134958

CONDITIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 134958
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Proposed alternate sampling plan is approved. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than five hundred (500) square feet. Please provide depth to groundwater data confirming the location of CW-1 (lat/long) and documentation with OSE.	8/18/2022