

Incident ID	nAPP2301946401
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?	<u>> 55</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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

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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: Adrian Urquidi Title: HSE Representative

Signature: _____ Date: _____

email: adrian.urquidi@goodnightmidstream.com Telephone: (432) 242-6629

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2301946401
District RP	
Facility ID	
Application ID	

Remediation Plan

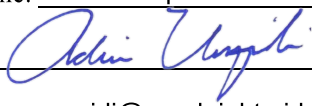
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ 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: Adrian Urquidi Title: HSE Representative
Signature:  Date: 05/26/2023
email: adrian.urquidi@goodnightmidstream.com Telephone: (432) 242-6629

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	nAPP2301946401
District RP	
Facility ID	
Application ID	

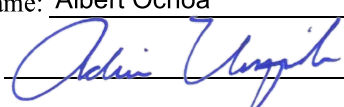
Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Adrian UrquidiTitle: HSE RepresentativeSignature: Date: 05/26/2023email: adrian.urquidi@goodnightmidstream.comTelephone: (432) 242-6629

OCD Only

Received by: _____

Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Date: 08/17/2023Printed Name: Nelson VelezTitle: Environmental Specialist - Adv

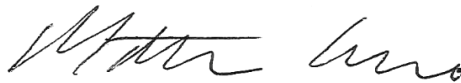
Remediation Summary and Soil Closure Request

Goodnight Midstream Permian, LLC Stateline Pipeline Valve Leak

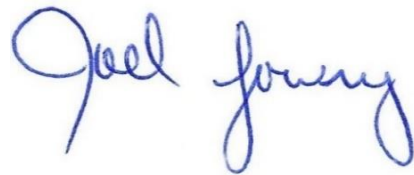
Lea County, New Mexico
Unit Letter C, Section 4, Township 24 South, Range 35 East
Latitude 32.252405 North, Longitude 103.373531 West
NMOCD Reference No. nAPP2301946401

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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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Goodnight Midstream Permian, LLC, has prepared this *Remediation Summary and Soil Closure Request* for the release site known as the Stateline Pipeline Valve Leak (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.252405 Longitude: -103.373531

Provided GPS are in WGS84 format.

Site Name: <u>Stateline Pipeline Valve Leak</u>	Site Type: <u>Pipeline</u>
Date Release Discovered: <u>1/18/2023</u>	API # (if applicable): <u>N/A</u>

Unit Letter	Section	Township	Range	County
C	4	24S	35E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name Jal Public Library Trust)

Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>64.3</u>	Volume Recovered (bbls) <u>0</u>
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:

Release was caused by a two-part valve that failed.

Initial Response

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

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

2.0 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 data generated by numeric models based on available water well data and published information.

To further characterize the depth to groundwater, a temporary monitoring well (Stateline Pipeline Release Borehole) was installed on May 9, 2023, near the release area in an effort to determine the depth to groundwater below the Site. The monitoring well was drilled to a depth of 55 feet below ground surface (bgs) and left open for 72 hours to allow time for the inflow and accumulation of groundwater, if any. After three days, the monitoring well was gauged using a water level meter and found to have no water present, establishing a minimum water level greater than 55 feet bgs. After gauging, the monitoring well was plugged and abandoned in accordance with NMOSE recommended standards.

Depth to groundwater information and associated figures, graphs, and well logs is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	> 55 Feet	
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; aerial imagery; and a temporary monitoring well. 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 Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
> 55 Feet	Chloride (Cl ⁻)	EPA 300.0 or SM4500 Cl B	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 INITIAL SITE ASSESSMENT

From January 24 through 27, 2023, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores (V 1 and V 2) were advanced within the release margins in an effort to determine the vertical extent of soil impacts. In addition, hand-augered soil bores (NH, EH, SH, and WH) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing visual/olfactory senses and concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, eight (8) delineation soil samples (EH @ 1', NH @ 1', SH @ 1', WH @ 1', V 1 @ Surface, V 1 @ 4', V 2 @ Surface, and V 2 @ 4') were collected and submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX concentrations were below the applicable NMOCD Closure Criterion and NMOCD Reclamation Standard in each of the submitted soil samples. BTEX concentrations were also below the laboratory Method Detection Limit (MDL). TPH concentrations ranged from less than the laboratory MDL in soil samples EH @ 1', NH @ 1', SH @ 1', WH @ 1', V 1 @ 4', and V 2 @ 4' to 321 mg/kg in soil sample V 1 @ Surface, which exceeded the NMOCD Reclamation Standard. Chloride concentrations ranged from 16.0 mg/kg in soil sample SH @ 1' to 8,000 mg/kg in soil sample V 2 @ 4'. Soil samples V 1 @ Surface and V 2 @ Surface exceeded the NMOCD Reclamation Standard for chloride with 1,230 mg/kg and 6,960 mg/kg, respectively.

5.0 REMEDIATION ACTIVITIES SUMMARY

On January 31, 2023, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal extent of impacted soil and to guide the excavation. The sidewalls and floors of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis.

On February 3, 2023, Etech collected twenty (20) confirmation soil samples (FL 1 @ 4' through FL 12 @ 4', EW 1 through EW 3, WW 1 through WW 3, NW 1, and SW 1) from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations

ranged from less than the laboratory MDL in soil sample WW 1 to 10,400 mg/kg in soil sample FL 9 @ 4', which exceeded the NMOCD Closure Criterion.

On February 13, 2023, excavation activities resumed at the Site. Impacted soil in the area characterized by sample point FL 9 @ 4' was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Upon excavating impacted soil, Etech collected one (1) additional confirmation soil sample (FL 9 @ 4.5') from the floor of the excavated area and submitted it to the laboratory for analysis of chloride. The laboratory analytical result from the submitted soil sample indicated a chloride concentration of 5,680 mg/kg, which was below the applicable NMOCD Closure Criterion.

On May 9, 2023, a temporary monitoring well (Stateline Pipeline Release Borehole) was installed on near the release area in an effort to determine the depth to groundwater below the Site. See Section 2.0 for details.

A site and sample location map is provided as Figure 3. A soil chemistry table is provided as Table 1. Field data and soil profile logs are provided as Appendix B. Laboratory analytical reports are provided as Appendix C. A photographic log of the Site is provided as Appendix D.

The final dimensions of the excavated area were approximately 135 feet in length, 13 to 28 feet in width, and 4 to 4.5 feet in depth. During the course of remediation activities, approximately 320 cubic yards of impacted soil was transported to an NMOCD-approved surface waste facility for disposal and approximately 320 cubic yards of locally-sourced, non-impacted material was imported to the site for use as backfill.

6.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the Site.

7.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with applicable NMOCD regulations. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate that in-situ concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Goodnight Midstream Permian, LLC, provide copies of this *Remediation Summary and Soil Closure Request* to the appropriate agencies and request closure be granted to the Stateline Pipeline Valve Leak site.

8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary and Soil Closure Request* 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.

9.0 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

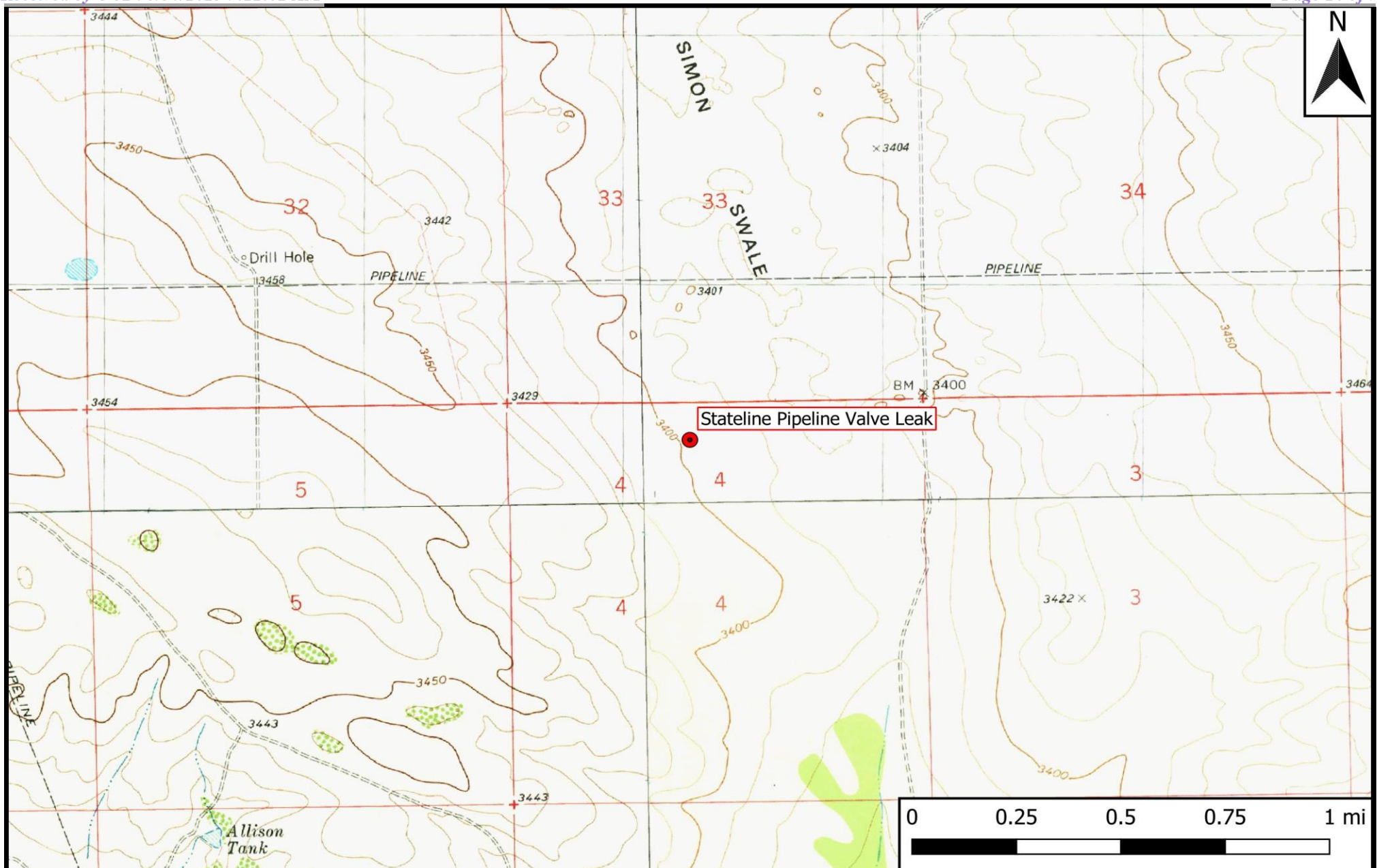
1220 South St. Francis Drive

Santa Fe, NM 87505

(Electronic Submission)

Figure 1

Topographic Map



Legend

- Site Location

Figure 1

Topographic Map
 Goodnight Midstream Permian, LLC
 Stateline Pipeline Valve Leak
 GPS: 32.252405, -103.373531
 Lea County



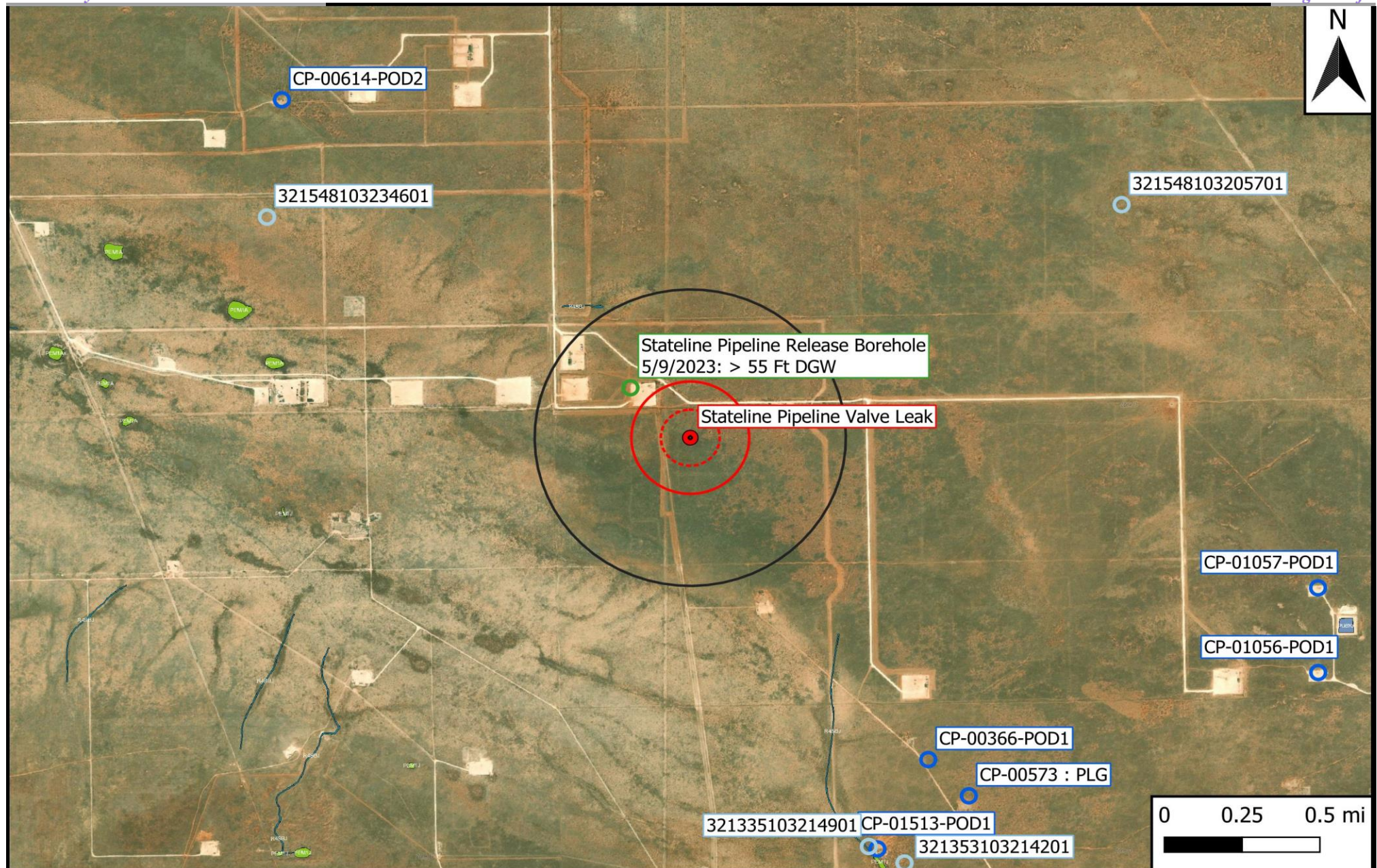
Drafted: mag

Checked: jwl

Date: 1/20/23

Figure 2

Aerial Proximity Map



- Site Location
- Well - NMOSE
- Well - USGS
- Well - Other
- Potash Mine Workings
- Medium/High Karst
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Figure 2
Aerial Proximity Map
Goodnight Midstream Permian, LLC
Stateline Pipeline Valve Leak
GPS: 32.252405, -103.373531
Lea County

eTECH
Environmental & Safety Solutions, Inc.

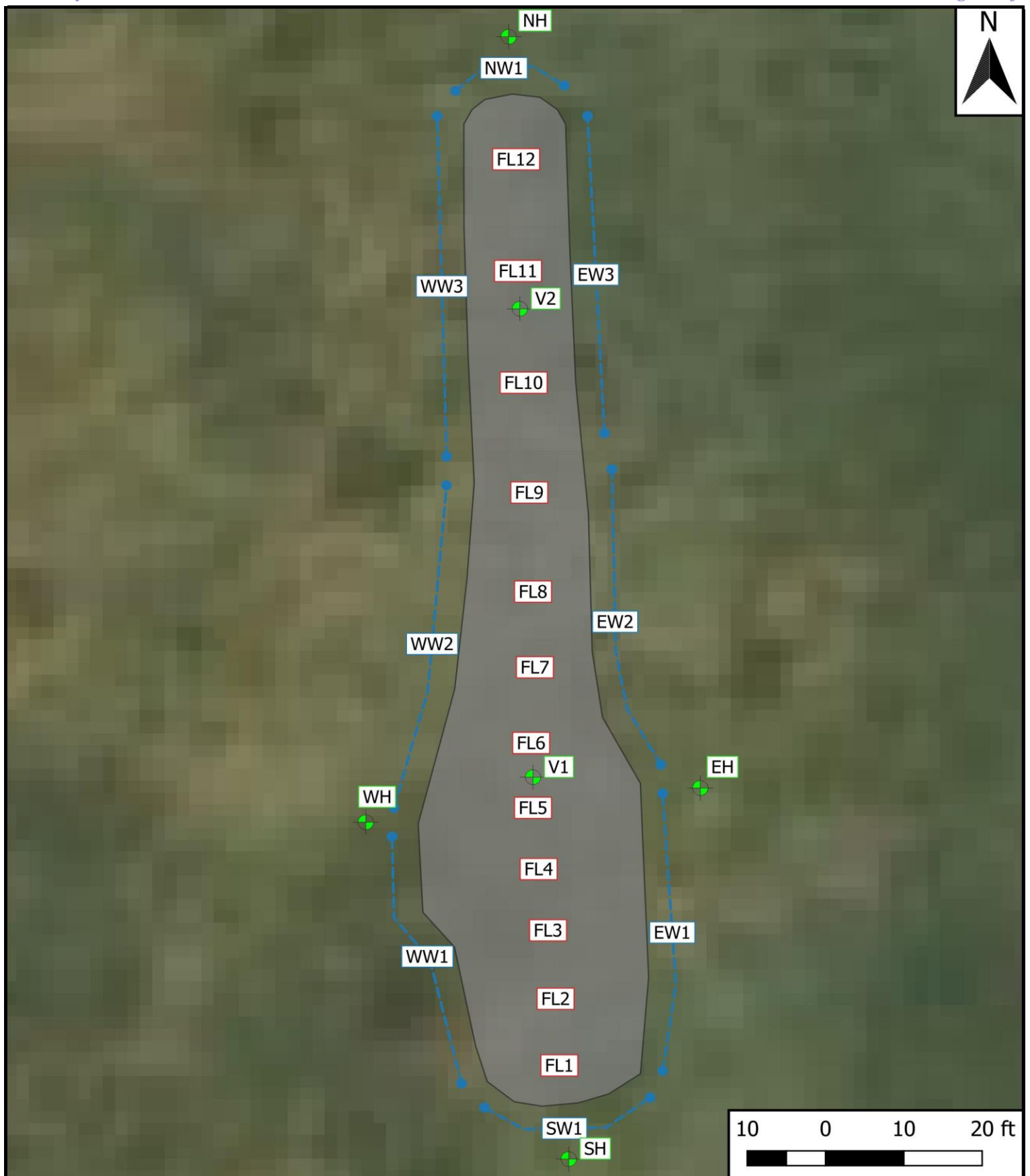
Drafted: mag

Checked: jwl

Date: 5/11/23

Figure 3

Site and Sample Location Map

**Legend**

- Delineation Sample
- Floor Confirmation Sample
- Wall Confirmation Sample
- Excavated Area

Figure 3

Site and Sample Location Map
 Goodnight Midstream Permian, LLC
 Stateline Pipeline Valve Leak
 GPS: 32.252405, -103.373531
 Lea County



Drafted: mag

Checked: jwl

Date: 3/10/23

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Table 1 Concentrations of BTEX, TPH, and Chloride in Soil Goodnight Midstream Permian, LLC Stateline Pipeline Valve Leak NMOCD Ref. #: nAPP2301946401											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	10,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
Delineation Samples											
EH @ 1'	1/25/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NH @ 1'	1/25/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SH @ 1'	1/25/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH @ 1'	1/25/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
V 1 @ Surface	1/26/2023	0	Excavated	<0.050	<0.300	<10.0	284	284	36.8	321	1,230
V 1 @ 4'	1/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,040
V 2 @ Surface	1/26/2023	0	Excavated	<0.050	<0.300	<10.0	20.0	20.0	<10.0	20.0	6,960
V 2 @ 4'	1/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
Confirmation Samples											
FL 1 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 2 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 3 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,080
FL 4 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,080
FL 5 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
FL 6 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,930
FL 7 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
FL 8 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,930
FL 9 @ 4'	2/3/2023	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,400
FL 9 @ 4.5'	2/13/2023	4.5	In-Situ	-	-	-	-	-	-	-	5,680
FL 10 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,330
FL 11 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,800
FL 12 @ 4'	2/3/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,460
EW 1	2/3/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 2	2/3/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 3	2/3/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 1	2/3/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 1	2/3/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 1	2/3/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 2	2/3/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 3	2/3/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0

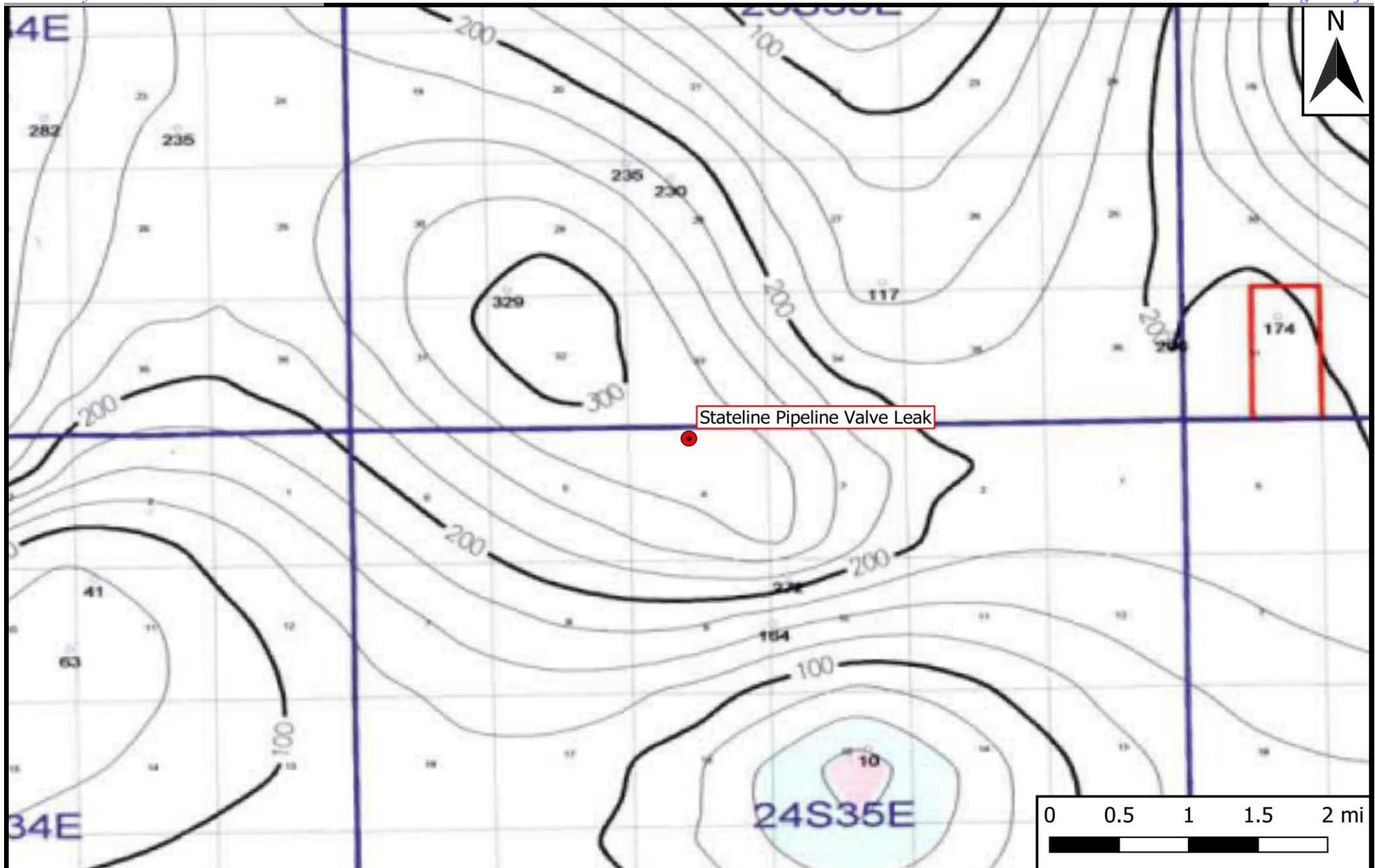
Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information



Legend

- Site Location

Figure 4


Inferred Depth to Groundwater Trend Map
 Goodnight Midstream Permian, LLC
 Stateline Pipeline Valve Leak
 GPS: 32.252405, -103.373531
 Lea County

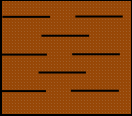
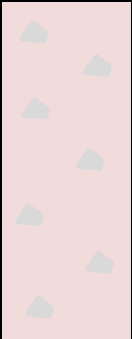
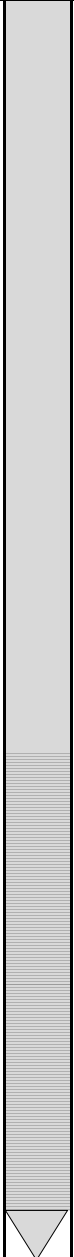


Drafted: mag

Checked: jwl

Date: 1/20/23

Logger:	Joel Lowry			
Driller:	Scarborough Drilling			
Consultant:	Etech Environmental			
Drilling Method:	Air Rotary			
Start Date:	May 9, 2023			
End Date:	May 9, 2023			
Comments: Drilled temp well per NMOCD Guidance to check for shallow groundwater, dry after 72 hrs Drafted by: Joel Lowry				Project Name: Stateline Pipeline Release Well ID: NA Location: Lat: 32.25488 Long: -103.37677 County: Lea State: NM

Depth (feet)	Chloride field tests	LAB	PID	Description	Lithology	Well Construction
	-	-	-	Reddish Brown Sand/Topsoil		Water Strike
5	-	-	-	Reddish Brown Sand/Topsoil		
	-	-	-	Pinkish/Gray Caliche		
10	-	-	-	Pinkish/Gray Caliche		
	-	-	-	Pinkish/Gray Caliche		
15	-	-	-	Pinkish/Gray Caliche		
	-	-	-	Pinkish/Gray Caliche		
20	-	-	-	Pinkish/Gray Caliche		
	-	-	-	Light Tan Sand		
25	-	-	-	Light Tan Sand		
	-	-	-	Light Tan Sand		
30	-	-	-	Light Tan Sand		
	-	-	-	Light Tan Sand		
35	-	-	-	Light Tan Sand		
	-	-	-	Light Tan Sand		
40	-	-	-	Light Tan Sand		
	-	-	-	Light Tan Sand		
45	-	-	-	Light Tan Sand		
	-	-	-	Light Tan Sand		
50	-	-	-	Light Tan Sand		
	-	-	-	Light Tan Sand		
55	-	-	-	TD 55 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	DepthWell	DepthWater	Water Column
CP 00366 POD1		CP	LE	4	1	1	10	24S	35E	654447	3567834*	2131	1250		
CP 00573		CP	LE	1	4	1	10	24S	35E	654657	3567638*	2413	405	300	105
CP 01513 POD1		CP	LE	3	3	1	10	24S	35E	654184	3567350	2425	186		
CP 00845 POD1		CP	LE		1	3	10	24S	35E	654360	3567130*	2698	190		
CP 00614 POD2		CP	LE	4	3	3	29	23S	35E	651102	3571401	2793	440	320	120
CP 01100 POD2		CP	LE		2	1	28	23S	35E	652995	3572726	3159	750	125	625
CP 01100 POD3		CP	LE	3	2	1	28	23S	35E	652987	3572726	3160	950	730	220
CP 01099 POD2		CP	LE	3	3	3	21	23S	35E	652968	3572750	3186	750	120	630

Average Depth to Water: **319 feet**

Minimum Depth: **120 feet**

Maximum Depth: **730 feet**

Record Count: 8

UTM NAD83 Radius Search (in meters):

Easting (X): 653215.27

Northing (Y): 3569574.15

Radius: 3220

*UTM location was derived from PLSS - see Help

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WATER COLUMN/ AVERAGE DEPTH TO WATER



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 00366 POD1	4	1	1	10	24S	35E	654447	3567834*

Driller License:		Driller Company:	
Driller Name: GULF OIL CORP.			
Drill Start Date:	Drill Finish Date:	10/26/1961	Plug Date:
Log File Date:	PCW Rev Date:		Source:
Pump Type:	Pipe Discharge Size:		Estimated Yield: 50 GPM
Casing Size: 13.63	Depth Well:	1250 feet	Depth Water:

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



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 00573	1	4	1	10	24S	35E	654657	3567638*		
<hr/>											
Driller License: 46		Driller Company:		ABBOTT BROTHERS COMPANY							
Driller Name:		ABBOTT, MURRELL									
Drill Start Date: 09/28/1978		Drill Finish Date:		10/12/1978				Plug Date:		11/01/1978	
Log File Date: 10/19/1978		PCW Rcv Date:						Source:		Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield:		20 GPM	
Casing Size: 5.50		Depth Well:		405 feet				Depth Water:		300 feet	
<hr/>											
		Water Bearing Stratifications:			Top	Bottom	Description				
					300	405	Sandstone/Gravel/Conglomerate				
<hr/>											
		Casing Perforations:			Top	Bottom					
					355	405					

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY




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
221BF	CP 00614 POD2	4	3	3	29	23S	35E	651102	3571401 

x

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: WALLACE, BRYCE J.LEE.NER

Drill Start Date: 11/20/2018	Drill Finish Date: 11/23/2018	Plug Date:
Log File Date: 03/01/2019	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 35 GPM
Casing Size: 7.60	Depth Well: 440 feet	Depth Water: 320 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	250	360	Sandstone/Gravel/Conglomerate
	360	390	Sandstone/Gravel/Conglomerate
	390	420	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	300	440

x

Meter Number: 18965	Meter Make: TURBINES INC
Meter Serial Number: 2006262	Meter Multiplier: 1.0000
Number of Dials: 7	Meter Type: Diversion
Unit of Measure: Barrels 42 gal.	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

x

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/07/2019	2019	0	A	RPT		0
03/31/2019	2019	3119	A	RPT		0.402
07/01/2019	2019	59656	A	RPT		7.287
08/02/2019	2019	66066	A	RPT		0.826
09/01/2019	2019	74191	A	RPT		1.047
10/07/2019	2019	84708	A	RPT	RPT had 840707.966	1.356
11/04/2019	2019	93820	A	RPT		1.174
12/03/2019	2019	138145	A	RPT		5.713
02/01/2020	2020	178016	A	RPT		5.139
03/02/2020	2020	207585	A	RPT		3.811
04/13/2020	2020	28729	A	RPT	initial read for new meter	0
04/13/2020	2020	217794	A	RPT	Final Meter Read	1.316
05/04/2020	2020	36326	A	RPT		0.979
06/04/2020	2020	64019	A	RPT		3.569
07/02/2020	2020	87365	A	RPT		3.009
08/03/2020	2020	116878	A	RPT		3.804
10/09/2020	2020	150197	A	RPT		4.295
11/06/2020	2020	177172	A	RPT		3.477

12/14/2020	2020	193192	A	RPT	2.065
01/07/2021	2020	203980	A	RPT	1.391
02/05/2021	2021	233044	A	RPT	3.746
08/02/2021	2021	51144	A	ad	0
09/01/2021	2021	51144	A	ad	0
10/05/2021	2021	82316	A	ad	4.018
11/04/2021	2021	97536	A	ad	1.962
12/14/2021	2021	128306	A	ad	3.966
01/01/2022	2022	129650	A	ad	0.173
02/08/2022	2022	129650	A	ad	0
03/02/2022	2022	129650	A	ad	0
04/01/2022	2022	129650	A	ad	0
05/10/2022	2022	129964	A	ad	0.040
06/07/2022	2022	129964	A	ad	0
09/05/2022	2022	129964	A	ad	0
10/10/2022	2022	129964	A	ad	0
11/10/2022	2022	129964	A	ad	0

**YTD Meter Amounts:	Year	Amount
	2019	17.805
	2020	32.855
	2021	13.692
	2022	0.213

x

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POINT OF DIVERSION SUMMARY



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 00845 POD1	1	3	10	24S	35E	654360	3567130*					
<hr/>													
Driller License: 122		Driller Company:				UNKNOWN							
Driller Name:		WAGNER DRILLING											
Drill Start Date:		Drill Finish Date:				01/01/1962		Plug Date:					
Log File Date:		PCW Rcv Date:						Source: Shallow					
Pump Type:		Pipe Discharge Size:						Estimated Yield:					
Casing Size: 6.00		Depth Well:				190 feet		Depth Water:					

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY




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
221C0	CP 01099 POD2	3	3	3	21	23S	35E	652968	3572750 

x

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: WALLACE, BRYCE J.LEE.NER

Drill Start Date: 01/10/2019 **Drill Finish Date:** 01/13/2019 **Plug Date:**

Log File Date: 01/24/2019 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 90 GPM

Casing Size: 7.60 **Depth Well:** 750 feet **Depth Water:** 120 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	115	220	Sandstone/Gravel/Conglomerate
	580	600	Sandstone/Gravel/Conglomerate
	600	740	Other/Unknown

x

Casing Perforations:	Top	Bottom
	460	750

x

Meter Number:	18926	Meter Make:	SEAMETRICS
Meter Serial Number:	042018001241	Meter Multiplier:	1.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Barrels 42 gal.	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

x

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/01/2019	2019	0	A	RPT	initial reading 01/2019	0
03/31/2019	2019	38876	A	RPT		5.011
07/01/2019	2019	74582	A	RPT		4.602
08/02/2019	2019	79810	A	RPT		0.674
09/01/2019	2019	92669	A	RPT		1.657
09/14/2019	2019	96773	A	RPT	Final meter reading. Malfunction	0.529
09/14/2019	2019	3722	A	ca	Initial reading new meter	0
10/01/2019	2019	13248	A	ca		1.228
11/04/2019	2019	31369	A	RPT		2.336
12/03/2019	2019	47756	A	RPT		2.112
02/01/2020	2020	66698	A	RPT		2.442
03/02/2020	2020	82490	A	RPT		2.036
04/01/2020	2020	92297	A	RPT		1.264
04/13/2020	2020	92297	A	RPT	Final Read; meter not working	0
04/13/2020	2020	250287	A	RPT	Initial Meter Reading	0
05/04/2020	2020	260757	A	RPT		1.349
06/04/2020	2020	274289	A	RPT		1.744

07/01/2020	2020	280383	A	RPT	0.786
08/03/2020	2020	280462	A	RPT	0.010
10/09/2020	2020	280543	A	RPT	0.010
11/06/2020	2020	294222	A	RPT	1.763
02/10/2021	2021	320664	A	ad	3.408
08/11/2021	2021	420816	A	ad	12.909
09/01/2021	2021	449294	A	ad	3.671
10/06/2021	2021	484950	A	ad	4.596
11/04/2021	2021	517367	A	ad	4.178
12/14/2021	2021	562150	A	ad	5.772
01/01/2022	2022	562150	A	ad	0
02/08/2022	2022	562150	A	ad	0
03/02/2022	2022	562150	A	ad	0
04/01/2022	2022	562150	A	ad	0
09/09/2022	2022	685930	A	ad	15.954
10/10/2022	2022	685930	A	ad	0
11/10/2022	2022	685930	A	ad	0

x

**YTD Meter Amounts:	Year	Amount
	2019	18.149
	2020	11.404
	2021	34.534
	2022	15.954

x

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POINT OF DIVERSION SUMMARY




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
221C1	CP 01100 POD2	2 1 28 23S 35E	652995	3572726 

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: WALLACE, BRYCE J.LEE.NER

Drill Start Date: 12/02/2018 **Drill Finish Date:** 12/06/2018 **Plug Date:**

Log File Date: 03/01/2019 **PCW Rev Date:** **Source:** Artesian

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 88 GPM

Casing Size: 8.00 **Depth Well:** 750 feet **Depth Water:** 125 feet

Water Bearing Stratifications:

Top	Bottom	Description
120	230	Sandstone/Gravel/Conglomerate
610	650	Sandstone/Gravel/Conglomerate
650	680	Sandstone/Gravel/Conglomerate
680	740	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
470	750

Meter Number: 18925 **Meter Make:** TURBINES INC

Meter Serial Number: 104497107961 **Meter Multiplier:** 1.0000

Number of Dials: 7 **Meter Type:** Diversion

Unit of Measure: Barrels 42 gal. **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:** Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/01/2019	2019	0	A	RPT	installed 1st week January '19	0
07/01/2019	2019	148340	A	RPT		19.120
08/02/2019	2019	164717	A	RPT		2.111
09/01/2019	2019	187774	A	RPT		2.972
10/01/2019	2019	217001	A	RPT		3.767
11/08/2019	2019	251254	A	RPT		4.415
12/03/2019	2019	279755	A	RPT		3.674
02/01/2020	2020	316646	A	RPT		4.755
03/02/2020	2020	349558	A	RPT		4.242
04/01/2020	2020	378792	A	RPT		3.768
05/04/2020	2020	409438	A	RPT		3.950
06/04/2020	2020	447579	A	RPT		4.916
07/02/2020	2020	480586	A	RPT		4.254
08/03/2020	2020	518577	A	RPT		4.897
10/09/2020	2020	593680	A	RPT		9.680
02/05/2021	2021	718994	A	ad		16.152

09/01/2021	2021	901931	A	RPT	23.579
10/05/2021	2021	40856	A	ad	0
11/04/2021	2021	82147	A	ad	5.322
12/14/2021	2021	136208	A	ad	6.968
01/01/2022	2022	146512	A	ad	1.328
02/08/2022	2022	146512	A	ad	0
03/02/2022	2022	146512	A	ad	0
04/01/2022	2022	146512	A	ad	0
05/06/2022	2022	180360	A	ad	4.363
06/07/2022	2022	180360	A	ad	0
10/10/2022	2022	180360	A	ad	0
11/10/2022	2022	180360	A	ad	0

x

**YTD Meter Amounts:	Year	Amount
	2019	36.059
	2020	40.462
	2021	52.021
	2022	5.691

x

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POINT OF DIVERSION SUMMARY



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		
NA	CP 01100 POD3	3	2	1	28	23S	35E	652987	3572726		
<hr/>											
Driller License:	1706	Driller Company:				ELITE DRILLERS CORPORATION					
Driller Name:	WALLACE, BRYCE J.LEE.NER										
Drill Start Date:	09/12/2020	Drill Finish Date:				11/01/2020		Plug Date:			
Log File Date:	11/17/2020	PCW Rcv Date:						Source:		Artesian	
Pump Type:		Pipe Discharge Size:						Estimated Yield:		55 GPM	
Casing Size:	7.87	Depth Well:				950 feet		Depth Water:		730 feet	
<hr/>											
Water Bearing Stratifications:					Top	Bottom	Description				
					705	940	Sandstone/Gravel/Conglomerate				
<hr/>											
Casing Perforations:					Top	Bottom					
					650	950					
<hr/>											

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


1/20/23 11:14 AM

POINT OF DIVERSION SUMMARY



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 01513 POD1	3	3	1	10	24S	35E	654184	3567350 

Driller License: 1607 **Driller Company:** DURAN DRILLING

Driller Name: DURNA, LUIS A. (TONY)

Drill Start Date: 06/29/2015 **Drill Finish Date:** 06/30/2015 **Plug Date:**

Log File Date: 07/13/2015 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 1 GPM

Casing Size: 6.00 **Depth Well:** 186 feet **Depth Water:**

Water Bearing Stratifications:

Top	Bottom	Description
178	181	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
165	185

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

1/20/23 11:14 AM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

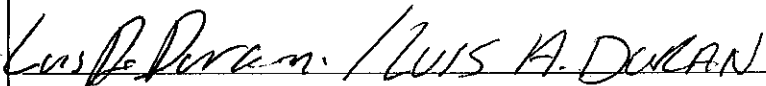
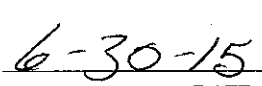
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) 1				OSE FILE NUMBER(S) CP-1513			
	WELL OWNER NAME(S) JAL PUBLIC LIBRARY FUND / JONH WILBANKS				PHONE (OPTIONAL) 575-395-2464			
	WELL OWNER MAILING ADDRESS P.O. BOX 178				CITY JAL		STATE NM	
					ZIP 88252			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 13	56	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE	103	21	49	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW 1/4, SW 1/4, NW 1/4, SECTION 10, TOWNSHIP 24S, RANGE 35E								
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1607		NAME OF LICENSED DRILLER LUIS A. (TONY) DURAN			NAME OF WELL DRILLING COMPANY DURAN DRILLING		
	DRILLING STARTED 6-29-15	DRILLING ENDED 6-30-15	DEPTH OF COMPLETED WELL (FT) 186		BORE HOLE DEPTH (FT) 185	DEPTH WATER FIRST ENCOUNTERED (FT) 178		
	COMPLETED WELL IS: <input type="radio"/> ARTESIAN <input type="radio"/> DRY HOLE <input checked="" type="radio"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)		
	DRILLING FLUID: <input type="radio"/> AIR <input type="radio"/> MUD ADDITIVES - SPECIFY: DRILLING MUD							
	DRILLING METHOD: <input checked="" type="radio"/> ROTARY <input type="radio"/> HAMMER <input type="radio"/> CABLE TOOL <input type="radio"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	165	8 3/4	PVC	PVC PERF	6	1/4	-
	165	185	8 3/4	PVC PERF	PVC	6	1/4	.035
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	8 3/4	12 BGS 80 LBS CEMENT		MIXER		
	20	185	8 3/4	4 YARDS, 3/8 GRAVEL PACK				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1513	POD NUMBER	1	TRN NUMBER	569371
LOCATION	24S.10.35E.1.3.3				
					PAGE 1 OF 2

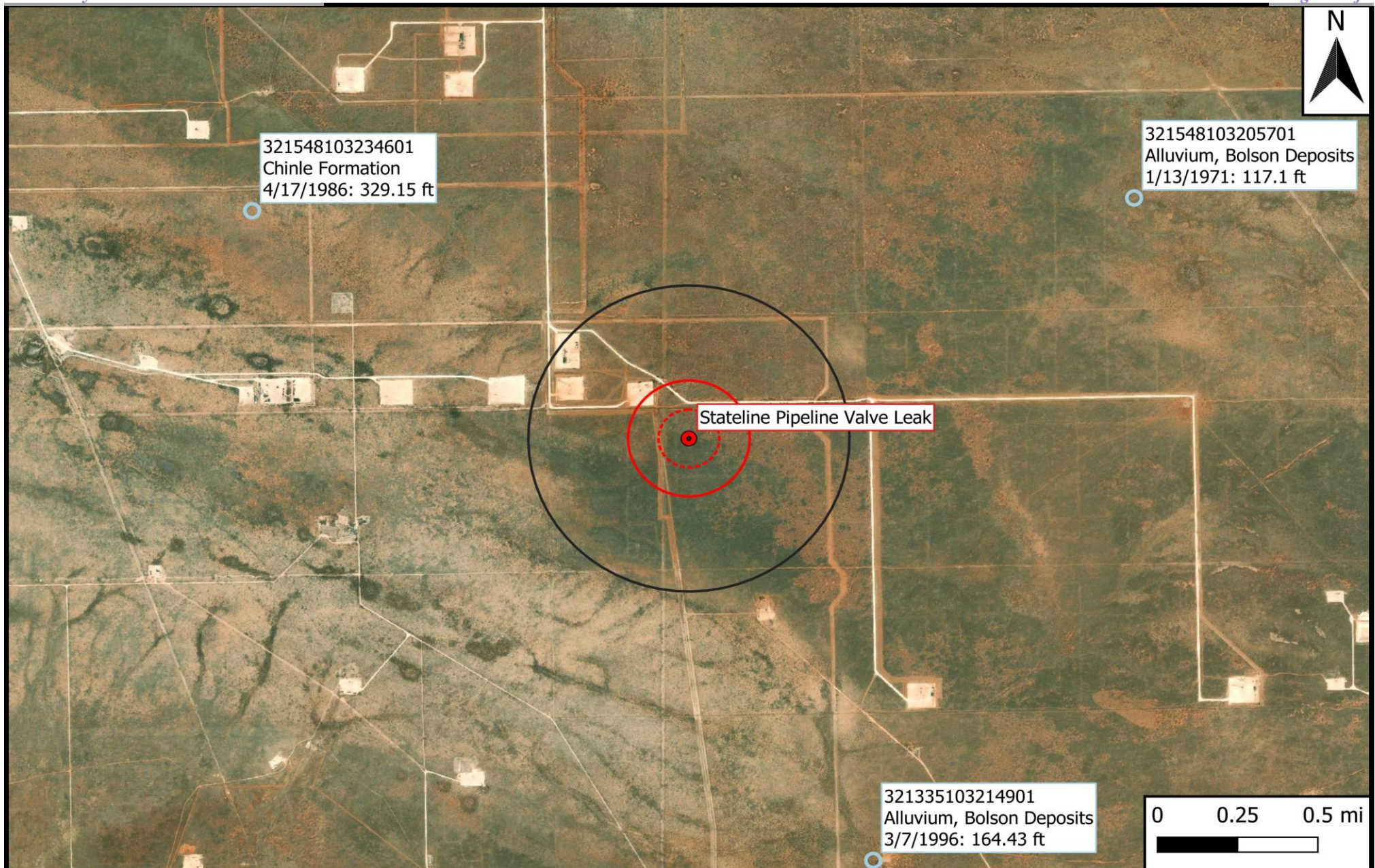
4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	1	1	TOPSOIL	<input type="radio"/> Y <input checked="" type="radio"/> N	
	1	20	19	CALICHE	<input type="radio"/> Y <input checked="" type="radio"/> N	
	20	51	31	SAND	<input type="radio"/> Y <input checked="" type="radio"/> N	
	51	54	3	ROCK	<input type="radio"/> Y <input checked="" type="radio"/> N	
	54	58	4	SAND	<input type="radio"/> Y <input checked="" type="radio"/> N	
	58	158	100	ROCK	<input type="radio"/> Y <input checked="" type="radio"/> N	
	158	160	2	CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	
	160	174	14	SAND / GRAVEL	<input type="radio"/> Y <input checked="" type="radio"/> N	
	174	178	4	CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	
	178	181	3	SAND / GRAVEL	<input checked="" type="radio"/> Y <input type="radio"/> N	1
	181	183	2	BLUE CLAY	<input type="radio"/> Y <input checked="" type="radio"/> N	
	183	185	2	RED CLAY	<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
					<input type="radio"/> Y <input type="radio"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="radio"/> PUMP					TOTAL ESTIMATED WELL YIELD (gpm): 1	
<input type="radio"/> AIR LIFT <input checked="" type="radio"/> BAILER <input type="radio"/> OTHER - SPECIFY:						
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: LUIS A. DURAN					
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:  SIGNATURE OF DRILLER / PRINT SIGNEE NAME  DATE 					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1513	POD NUMBER	()	TRN NUMBER	569374
LOCATION	24S-10-35E-1-3-3				Dum-

PAGE 2 OF 2



Legend

- Site Location
- Well - USGS
- ⋯ 500 Ft Radius
- ▭ 1000 Ft Radius
- ▭ 0.5 Mi Radius

Figure 5

USGS Well Proximity Map
Goodnight Midstream Permian, LLC
Stateline Pipeline Valve Leak
GPS: 32.252405, -103.373531
Lea County



Drafted: mag

Checked: jwl

Date: 1/20/23



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Geographic Area:

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321335103214901

Minimum number of levels = 1

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

USGS 321335103214901 24S.35E.10.13333

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°13'56", Longitude 103°21'49" NAD27

Land-surface elevation 3,360.10 feet above NGVD29

The depth of the well is 190 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

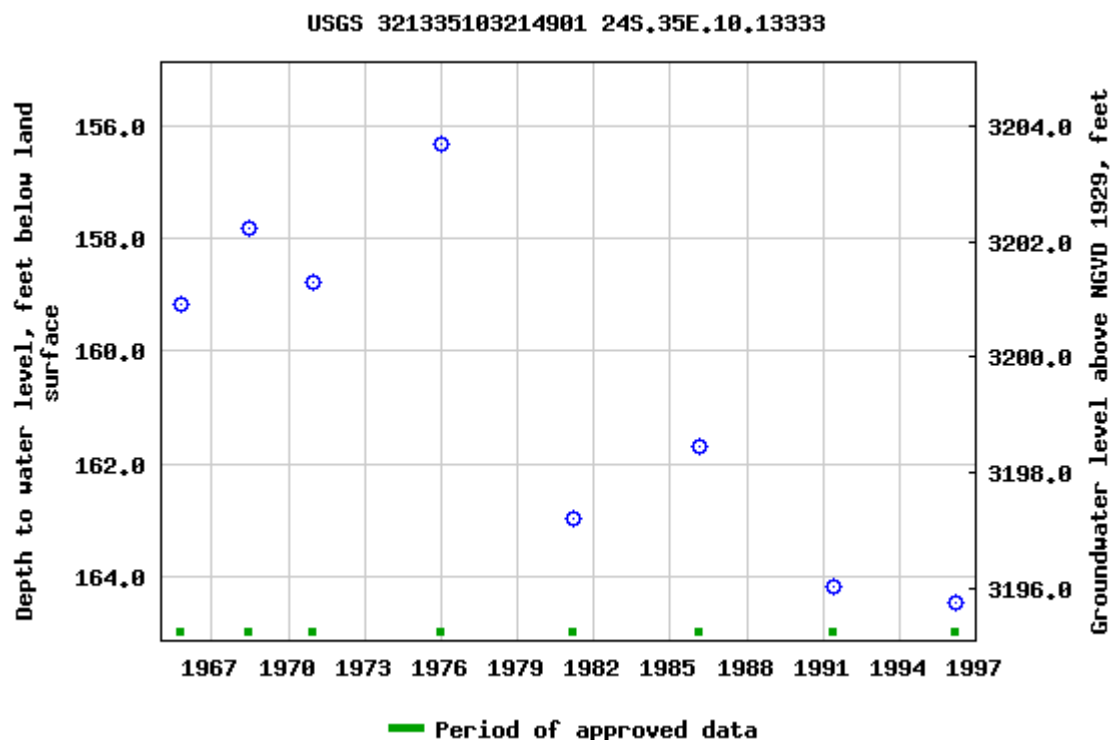
Output formats

[Table of data](#)

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Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels

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

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

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0.56 0.48 nadww01





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Agency code = usgs

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- 321548103205701

Minimum number of levels = 1

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USGS 321548103205701 23S.35E.27.443421

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°15'48", Longitude 103°20'57" NAD27

Land-surface elevation 3,469 feet above NAVD88

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

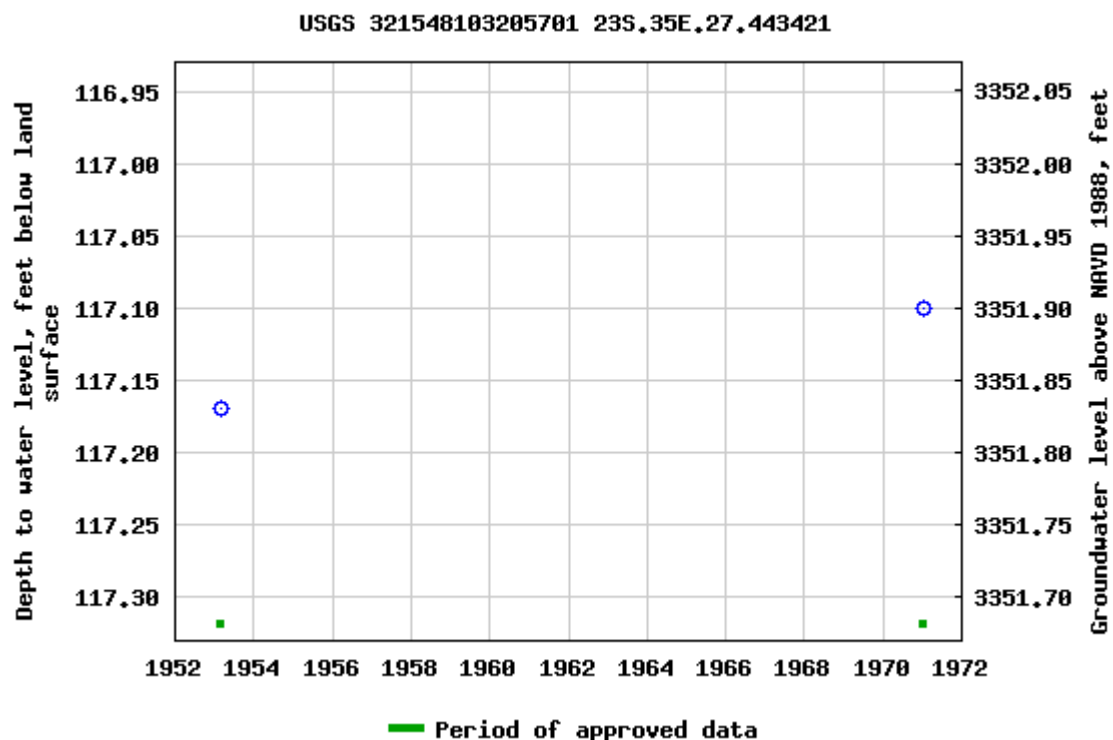
Output formats

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Title: Groundwater for USA: Water Levels

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

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0.62 0.49 nadww01





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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321548103234601

Minimum number of levels = 1

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USGS 321548103234601 23S.35E.29.33431

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°15'48", Longitude 103°23'46" NAD27

Land-surface elevation 3,451 feet above NAVD88

The depth of the well is 400 feet below land surface.

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

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

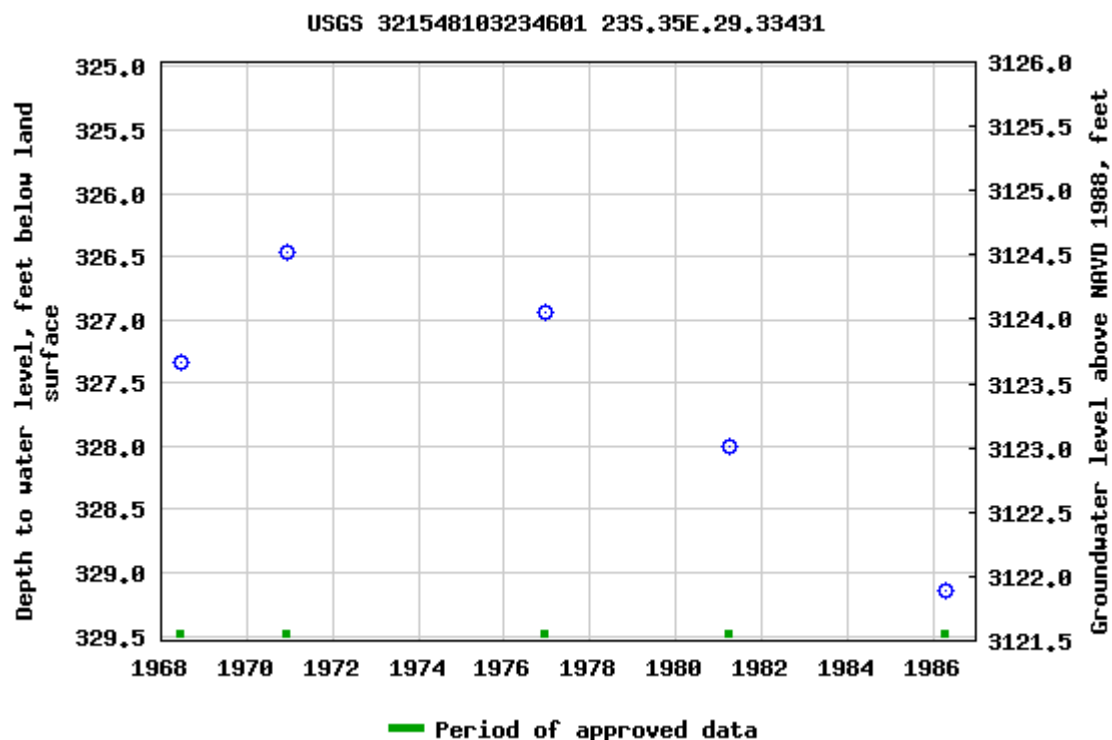
Output formats

[Table of data](#)

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Title: Groundwater for USA: Water Levels

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



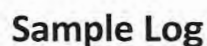
Page Contact Information: [USGS Water Data Support Team](#)

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0.59 0.51 nadww01

Appendix B

Field Data



Date:

1/25/23

Project:

Shutline Pipeline Valve Leak
Motor Ryan to Piper Pipeline

Project Number:

16453

Latitude:

32.472935

Longitude:

~~-103.246814~~

GPS Sample Points, Center of Comp Areas



Sample Log

Date: 2-2-23

Project: Stateline Pipeline Valve Leak

Project Number: 17465 Latitude: 32.252405 Longitude: -103.373531

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix C

Laboratory Analytical Reports



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

January 30, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: STATE LINE PIPELINE VALVE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 01/26/23 15:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	01/26/2023	Sampling Date:	01/25/2023
Reported:	01/30/2023	Sampling Type:	Soil
Project Name:	STATE LINE PIPELINE VALVE LEAK	Sampling Condition:	** (See Notes)
Project Number:	17465	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT-LEA COUNTY, NM		

Sample ID: NH @ 1' (H230384-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2023	ND	1.87	93.6	2.00	2.70	
Toluene*	<0.050	0.050	01/27/2023	ND	2.09	104	2.00	3.07	
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.06	103	2.00	3.05	
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.39	106	6.00	3.53	
Total BTX	<0.300	0.300	01/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/27/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	01/26/2023	Sampling Date:	01/25/2023
Reported:	01/30/2023	Sampling Type:	Soil
Project Name:	STATE LINE PIPELINE VALVE LEAK	Sampling Condition:	** (See Notes)
Project Number:	17465	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT-LEA COUNTY, NM		

Sample ID: EH @ 1' (H230384-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/27/2023	ND	1.87	93.6	2.00	2.70		
Toluene*	<0.050	0.050	01/27/2023	ND	2.09	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.06	103	2.00	3.05		
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.39	106	6.00	3.53		
Total BTEx	<0.300	0.300	01/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/27/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	01/26/2023	Sampling Date:	01/25/2023
Reported:	01/30/2023	Sampling Type:	Soil
Project Name:	STATE LINE PIPELINE VALVE LEAK	Sampling Condition:	** (See Notes)
Project Number:	17465	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT-LEA COUNTY, NM		

Sample ID: SH @ 1' (H230384-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/27/2023	ND	1.87	93.6	2.00	2.70		
Toluene*	<0.050	0.050	01/27/2023	ND	2.09	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	01/27/2023	ND	2.06	103	2.00	3.05		
Total Xylenes*	<0.150	0.150	01/27/2023	ND	6.39	106	6.00	3.53		
Total BTEx	<0.300	0.300	01/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/27/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	01/26/2023	Sampling Date:	01/25/2023
Reported:	01/30/2023	Sampling Type:	Soil
Project Name:	STATE LINE PIPELINE VALVE LEAK	Sampling Condition:	** (See Notes)
Project Number:	17465	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT-LEA COUNTY, NM		

Sample ID: WH @ 1' (H230384-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70		
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05		
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53		
Total BTEx	<0.300	0.300	01/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/27/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	01/26/2023	Sampling Date:	01/26/2023
Reported:	01/30/2023	Sampling Type:	Soil
Project Name:	STATE LINE PIPELINE VALVE LEAK	Sampling Condition:	** (See Notes)
Project Number:	17465	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT-LEA COUNTY, NM		

Sample ID: V 1 @ SURFACE (H230384-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70		
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05		
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53		
Total BTEx	<0.300	0.300	01/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	01/27/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	284	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	36.8	10.0	01/28/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	01/26/2023	Sampling Date:	01/26/2023
Reported:	01/30/2023	Sampling Type:	Soil
Project Name:	STATE LINE PIPELINE VALVE LEAK	Sampling Condition:	** (See Notes)
Project Number:	17465	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT-LEA COUNTY, NM		

Sample ID: V 1 @ 4' (H230384-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70		
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05		
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53		
Total BTEx	<0.300	0.300	01/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	01/27/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	01/26/2023	Sampling Date:	01/26/2023
Reported:	01/30/2023	Sampling Type:	Soil
Project Name:	STATE LINE PIPELINE VALVE LEAK	Sampling Condition:	** (See Notes)
Project Number:	17465	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT-LEA COUNTY, NM		

Sample ID: V 2 @ SURFACE (H230384-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70		
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05		
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53		
Total BTEx	<0.300	0.300	01/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6960	16.0	01/27/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	20.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/26/2023
 Reported: 01/30/2023
 Project Name: STATE LINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT-LEA COUNTY, NM

Sampling Date: 01/26/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: V 2 @ 4' (H230384-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2023	ND	1.87	93.6	2.00	2.70		
Toluene*	<0.050	0.050	01/28/2023	ND	2.09	104	2.00	3.07		
Ethylbenzene*	<0.050	0.050	01/28/2023	ND	2.06	103	2.00	3.05		
Total Xylenes*	<0.150	0.150	01/28/2023	ND	6.39	106	6.00	3.53		
Total BTEx	<0.300	0.300	01/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	01/27/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2023	ND	196	97.8	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/28/2023	ND	194	97.2	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	01/28/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																	
Project Manager: Joel Lowry				P.O. #:																					
Address: 2617 W Marland				Company: Goodnight																					
City: Hobbs State: NM Zip: 88240				Attn:																					
Phone #: (575) 264-9884 Fax #:				Address:																					
Project #: 17465 Project Owner: Goodnight				City:																					
Project Name: State line Pipeline valve leak				State: Zip:				Chloride TPH (8015M) BTEX (8021B)																	
Project Location: Rural Lea Co., NM				Phone #:																					
Sampler Name: Miguel Ramirez				Fax #:																					
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME													
H230384																									
1 NH @ 1'		G 1						X		X		1/25/23 09:30		X X X											
2 EH @ 1'		G 1						X		X		1/25/23 09:10		X X X											
3 SH @ 1'		G 1						X		X		1/25/23 09:00		X X X											
4 WH @ 1'		G 1						X		X		1/25/23 09:40		X X X											
5 V1 @ surface		G 1						X		X		1/26/23 09:40		X X X											
6 V1 @ 4'		G 1						X		X		1/26/23 10:10		X X X											
7 V2 @ surface		G 1						X		X		1/26/23 09:30		X X X											
8 V2 @ 4'		G 1						X		X		1/26/23 10:00		X X X											
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Relinquished By: [Signature]				Date: 1-26-23		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:											
				Time: 1544						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:											
Relinquished By:				Date:		Received By:				REMARKS:															
				Time:																					
Delivered By: (Circle One)				#113		Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.											
Sampler - UPS - Bus - Other: 3.32/2.72						Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				(Initials) TO															



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

February 07, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: STATELINE PIPELINE VALVE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 02/03/23 15:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 1 (H230489-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	2.08	104	2.00	1.06		
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	1.37		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.00	100	2.00	1.89		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.06	101	6.00	2.10		
Total BTX	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	195	97.6	200	0.977	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	191	95.6	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	02/03/2023	Sampling Date:	02/03/2023
Reported:	02/07/2023	Sampling Type:	Soil
Project Name:	STATELINE PIPELINE VALVE LEAK	Sampling Condition:	Cool & Intact
Project Number:	17465	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - RURAL LEA CO., NM		

Sample ID: SW 1 (H230489-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	2.08	104	2.00	1.06		
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	1.37		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.00	100	2.00	1.89		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.06	101	6.00	2.10		
Total BTEx	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/06/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	195	97.6	200	0.977	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	191	95.6	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H230489-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.08	104	2.00	1.06	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	1.37	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.00	100	2.00	1.89	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.06	101	6.00	2.10	
Total BTEx	<0.300	0.300	02/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	195	97.6	200	0.977	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	191	95.6	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 1 @ 4' (H230489-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	2.08	104	2.00	1.06		
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	1.37		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.00	100	2.00	1.89		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.06	101	6.00	2.10		
Total BTEx	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	195	97.6	200	0.977	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	191	95.6	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 2 @ 4' (H230489-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	2.08	104	2.00	1.06		
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	1.37		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.00	100	2.00	1.89		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.06	101	6.00	2.10		
Total BTEx	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	195	97.6	200	0.977	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	191	95.6	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 3 @ 4' (H230489-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	2.08	104	2.00	1.06		
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	1.37		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.00	100	2.00	1.89		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.06	101	6.00	2.10		
Total BTEx	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	195	97.6	200	0.977	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	191	95.6	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 4 @ 4' (H230489-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.08	104	2.00	1.06	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	1.37	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.00	100	2.00	1.89	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.06	101	6.00	2.10	
Total BTX	<0.300	0.300	02/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	195	97.6	200	0.977	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	191	95.6	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 5 @ 4' (H230489-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7		
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48		
Total BTEx	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	195	97.6	200	0.977	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	191	95.6	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 2 (H230489-09)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7	
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48	
Total BTEX	<0.300	0.300	02/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 2 (H230489-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7		
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48		
Total BTEX	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	02/03/2023	Sampling Date:	02/03/2023
Reported:	02/07/2023	Sampling Type:	Soil
Project Name:	STATELINE PIPELINE VALVE LEAK	Sampling Condition:	Cool & Intact
Project Number:	17465	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - RURAL LEA CO., NM		

Sample ID: NW 1 (H230489-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7		
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48		
Total BTEx	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 3 (H230489-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7		
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48		
Total BTEX	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 3 (H230489-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7		
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48		
Total BTEx	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ 4' (H230489-14)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7	
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48	
Total BTEX	<0.300	0.300	02/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8930	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 7 @ 4' (H230489-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7		
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48		
Total BTEX	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 8 @ 4' (H230489-16)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7	
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48	
Total BTEx	<0.300	0.300	02/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	02/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 @ 4' (H230489-17)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7	
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48	
Total BTEX	<0.300	0.300	02/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10400	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 10 @ 4' (H230489-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7		
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48		
Total BTEX	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7330	16.0	02/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 11 @ 4' (H230489-19)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7		
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08		
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70		
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48		
Total BTEX	<0.300	0.300	02/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7800	16.0	02/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/03/2023
 Reported: 02/07/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 12 @ 4' (H230489-20)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	1.79	89.7	2.00	10.7	
Toluene*	<0.050	0.050	02/06/2023	ND	1.86	93.0	2.00	7.08	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.83	91.3	2.00	7.70	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.51	91.8	6.00	7.48	
Total BTEX	<0.300	0.300	02/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	02/06/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	214	107	200	4.91	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	207	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions
Project Manager: Joel Lowry

Address: 2617 W. Marland

City: Hobbs

Phone #: 575-264-9884

Project #: 17465

Project Name: Stabline Pipeline Valve Leak

Project Location: Rural Lea Co., NM

Sampler Name: Miguel Ramirez

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H230489

1 EW1
2 SW1
3 WW1
4 FL1@4'
5 FL2@4'
6 FL3@4'
7 FL4@4'
8 FL5@4'
9 WW2
10 EW2

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

PRESERV.

SAMPLING

DATE

TIME

Chlorides

BTEX

TPH

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Inquired By: [Signature]

Inquired By: [Signature]

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

FORM-006 R 3.3 07/16/22

Observed Temp. °C 2.4

Corrected Temp. °C 1.8

Sample Condition
Cool Intact
☒ Yes ☐ No
☐ Yes ☐ No

CHECKED BY:
(Initials)
[Signature]

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Pm@etechenv.com

Turnaround Time:

Standard ☒
Rush ☐

Thermometer ID #113
Correction Factor -0.6°C

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C
☐ Yes ☐ No
☐ Yes ☐ No
Corrected Temp. °C

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



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

February 14, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: STATELINE PIPELINE VALVE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 02/13/23 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/13/2023
 Reported: 02/14/2023
 Project Name: STATELINE PIPELINE VALVE LEAK
 Project Number: 17465
 Project Location: GOODNIGHT - RURAL LEA CO., NM

Sampling Date: 02/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 @ 4.5' (H230658-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	02/14/2023	ND	432	108	400	0.00	QM-07

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

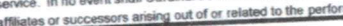


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Date: 10/16/14 Received By: [Signature] Verbal Result: [Signature]
All Results are em

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Relinquished By:  Relinquished By:	Date: 2-13-23	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:
	Time: 1020	Received By: 	REMARKS: PM@etechem.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 34.2 Corrected Temp. °C 28.2	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #113 Correction Factor -0.6°C
		CHECKED BY: (Initials) JO	Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C

Cardinal Labs NM, Inc. 1071622. We cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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Appendix D

Photographic Log


Photographic Log

Photo Number: 1	 <p>1/19/23, 4:19 PM +32.252694,-103.373595</p>
Photo Direction: South	
Photo Description: View of release area.	


Photo Number: 2	 <p>1/19/23, 4:22 PM +32.252288,-103.373595</p>
Photo Direction: North	
Photo Description: View of release area.	

Photographic Log

Photo Number: 3	  <p>Feb 3, 2023 at 11:41:32 AM +32.252531,-103.373547 182° S</p>
Photo Direction: South	
Photo Description: View of excavated area.	

Photo Number: 4	 <p>Feb 17, 2023 at 2:19:34 PM +32.252929,-103.373534 Jal NM 88252 United States</p>
Photo Direction: South	
Photo Description: View of remediated area after backfill and regrading.	

Photographic Log

Photo Number: 5	<div>Feb 17, 2023 at 2:21:39 PM +32.252057,-103.373513 Jal NM 88252 United States</div> 
Photo Direction: Northwest	
Photo Description: View of remediated area after backfill and regrading.	

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 221555

CONDITIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 221555
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/18/2023