

Incident ID	
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> >50 </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 type="checkbox"/> Yes <input checked="" 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: Dean Ericson Title: Sr. Environmental Specialist

Signature: _____ Date: _____

email: Dean.Ericson@energytransfer.com Telephone: (817) 302-9573

OCD Only

Received by: _____ Date: _____

Incident ID	
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: Dean Ericson Title: Sr. Environmental Specialist
Signature: _____ Date: _____
email: Dean.Ericson@energytransfer.com Telephone: (817) 302-9573

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: _____

Printed Name: _____ Title: _____

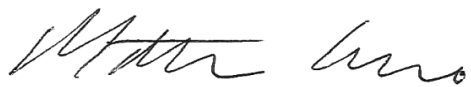
Remediation Summary and Soil Closure Request

ETC Texas Pipeline, Ltd. West Eunice Discharge Line Remediation

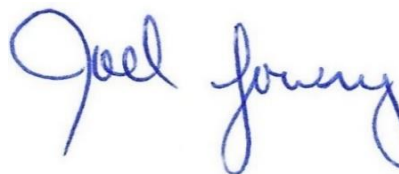
Lea County, New Mexico
Unit Letter C, Section 18, Township 23 South, Range 37 East
Latitude 32.30835 North, Longitude 103.20269 West
NMOCD Reference No. Pending

Prepared By:

Etech Environmental & Safety Solutions, Inc.
3100 Plains Highway
Lovington, New Mexico 88260



Matthew Grieco



Joel W. Lowry



Midland • San Antonio • Lubbock • Lovington • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of ETC Texas Pipeline, Ltd., has prepared this Remediation Summary and Soil Closure Request for the Release Site known as the West Eunice Discharge Line Remediation. Details of the release are summarized below:

Location of Release Source

Latitude: 32.30835 Longitude: -103.20269

Provided GPS are in WGS84 format.

Site Name: West Eunice Discharge Line Remediation	Site Type: Pipeline
Date Release Discovered: 7/22/2020	API # (if applicable): N/A

Unit Letter	Section	Township	Range	County
C	18	23S	37E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name RRR Cattle Co.)

Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 11367.8	Volume Recovered (Mcf) 0
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:

The release was attributed to corrosion of the pipeline segment. The pipeline was shut-in and repairs were made.

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 Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>50 ft</u>	
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
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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; and aerial imagery. The results are depicted on Figures 1 & 2.

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 for the Site is as follows:

Closure Criteria for Soil Impacted by a Release			
Probable Depth to Groundwater	Constituent	Method	Limit
~100 ft	Chloride	EPA 300.0 or SM4500 Cl B	10000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2500 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1000 mg/kg
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg

4.0 REMEDIATION ACTIVITIES SUMMARY

On July 23, 2020, an alternate contractor responded to the pipe blowout event. Initial sampling was conducted on the area exposed by the blowout and pipe repair operations.

Twenty-four (24) soil samples (V 1, V 2, V 3, V 4, V 5, V 6, V 7, V 8, V 9, V 10, V 11, V 12, V 13, V 14, V 15, V 16, H 1, H 1.1, H 1.2, H 2, H 3, H 3.1, H 3.2, and H 4) were submitted to the laboratory for analysis of BTEX, TPH and/or Chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond 7 Ft. bgs except for samples V 9 (1,500 mg/kg BTEX and 22,800 mg/kg TPH), V 10 (690 mg/kg BTEX and 8,070 mg/kg TPH), V 13 (163 mg/kg BTEX and 1,750 mg/kg GRO+DRO), and V 15 (140 mg/kg BTEX and 1,160 mg/kg GRO+DRO). The horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined except for sample H 3.2 (530 mg/kg BTEX and 6,750 mg/kg TPH). Upon sampling the open excavation, affected area was backfilled, compacted, and graded in an effort to repair the road and restore access to nearby locations. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was left in-situ until laboratory analytical results could identify the areas requiring remediation.

On August 4, 2020, remediation activities commenced at the Site. In accordance with the NMOCD, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending final disposition at an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

On August 4, 2020, an alternate contractor collected five (5) excavation confirmation soil samples (V 9, V 10, V 13, V 15, and H 3.2). The collected soil samples were submitted to a certified commercial laboratory for analysis of BTEX and TPH. Laboratory analytical results indicated BTEX and TPH concentrations below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard in each of the submitted soil samples.

A "Site & Sample Location Map" is provided as Figure 3. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C. Field data and soil profile logs, if applicable, are provided as Appendix B.

The final dimensions of the excavated area were 45 Ft. in length, 15 to 30 Ft. in width and ranged from 8 to 10 Ft. in depth. During the course of remediation activities approximately 240 cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal.

5.0 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 contoured and/or compacted 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.

6.0 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 Standard was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

Based on laboratory analytical results and field activities conducted to date, Etech recommends ETC Texas Pipeline, Ltd. provide copies of this Remediation Summary and Soil Closure Request to the appropriate agencies and request closure be granted to the West Eunice Discharge Line Remediation Site.

7.0 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 reference 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 ETC Texas Pipeline, Ltd.. Use of the information contained in this report is prohibited without the consent of Etech and/or ETC Texas Pipeline, Ltd..

8.0 DISTRIBUTION

ETC Texas Pipeline, Ltd.

600 N. Marienfeld. St.

Suite 700

Midland, TX 79701

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 1

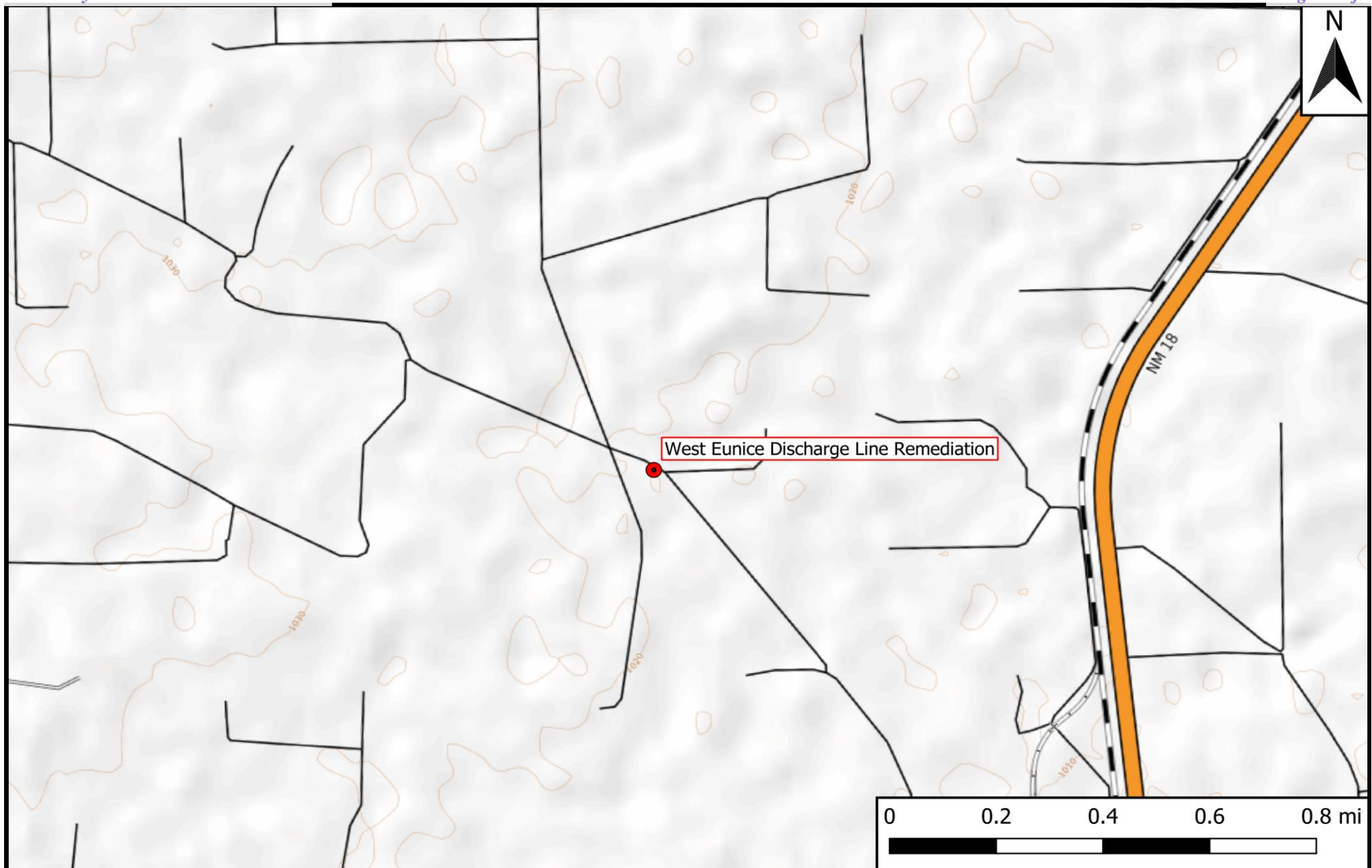
1220 South St. Francis Drive

Santa Fe, NM 87505

(Electronic Submission)

Figure 1

Topographic Map

**Legend**

- Site Location

Figure 1

Topographic Map
ETC Texas Pipeline, Ltd.
West Eunice Discharge Line Remediation
GPS: 32.30835, -103.20269
Lea County



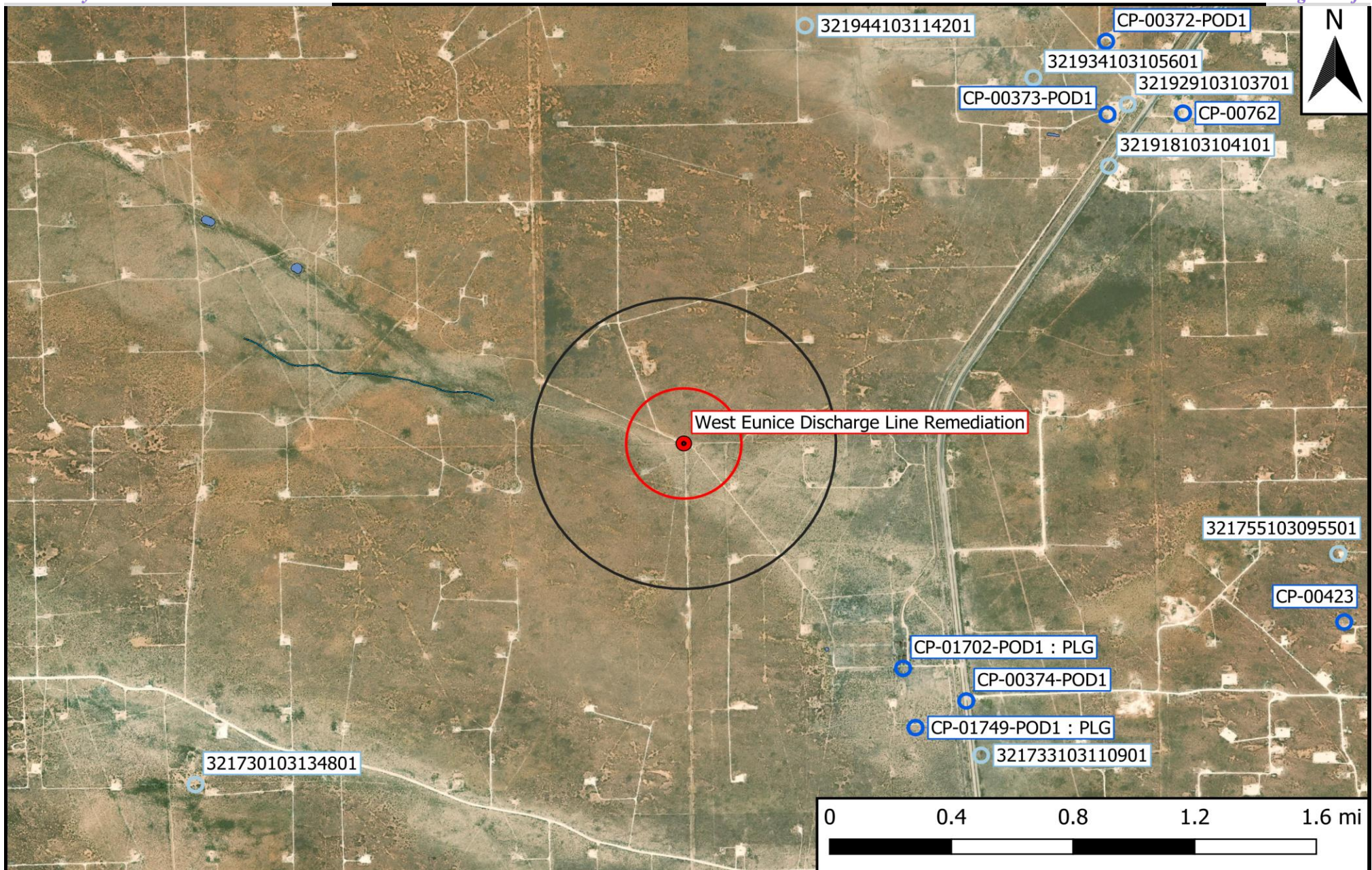
Drafted: mag

Checked: jwl

Date: 8/19/20

Figure 2

Aerial Proximity Map



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

Figure 2
Aerial Map
ETC Texas Pipeline, Ltd.
West Eunice Discharge Line Remediation
GPS: 32.30835, -103.20269
Lea County

eTECH
Environmental & Safety Solutions, Inc.

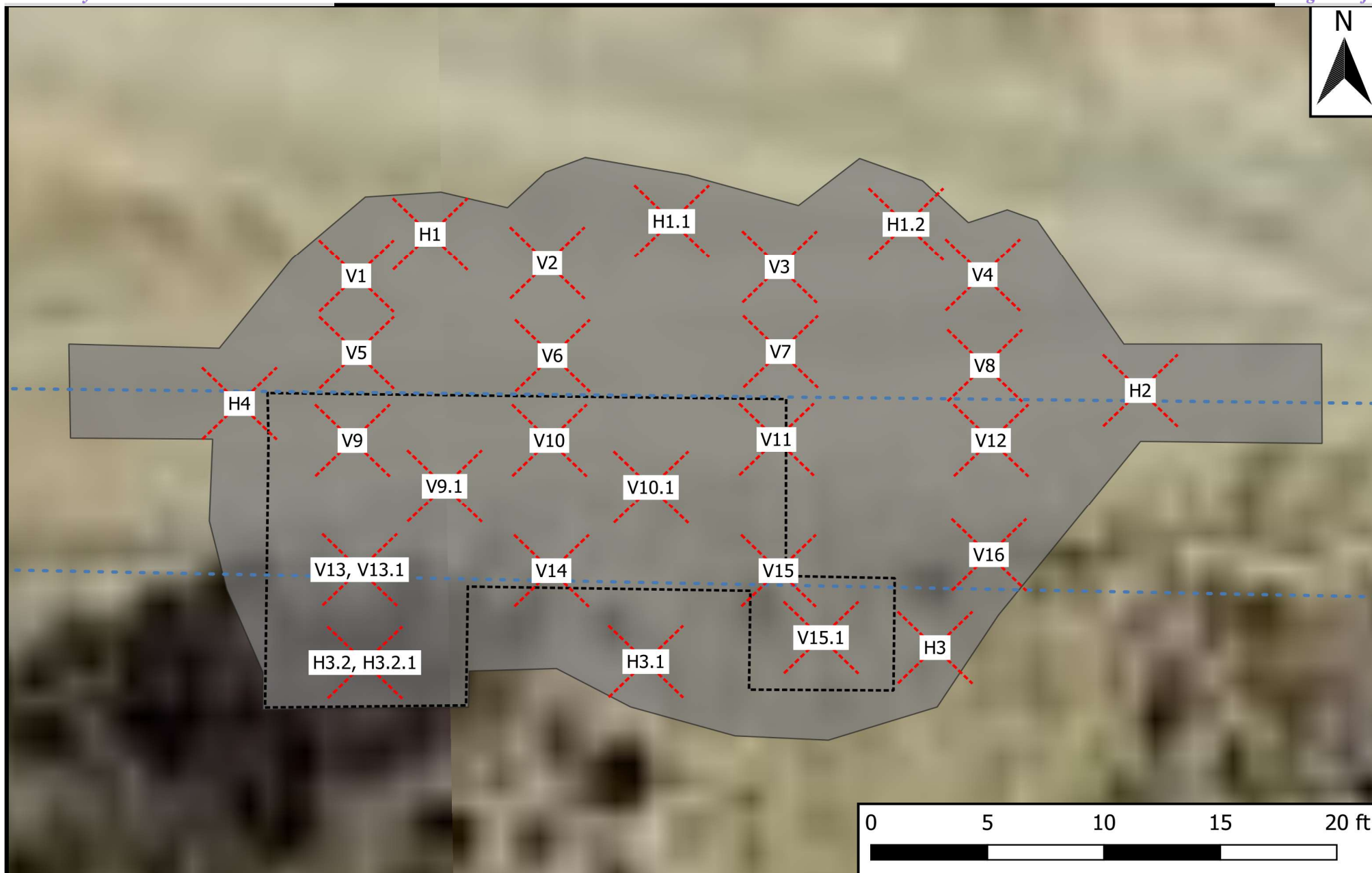
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Checked: jwl

Date: 8/19/20

Figure 3

Site and Sample Location Map

**Legend**

- Sample Area
- Buried Line
- Initial Excavation
- Second Excavation

Figure 3

Site and Sample Location Map
ETC Texas Pipeline, Ltd.
West Eunice Discharge Line Remediation
GPS: 32.30835, -103.20269
Lea County



Drafted: mag

Checked: jwl

Date: 9/10/20

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

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
ETC Texas Pipeline, Ltd.
West Eunice Discharge Line Remediation
NMOCD Ref. #: Pending

NMOCD Closure Criteria				10	50	-	-	1000	-	2500	10000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth	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)
V 1	7/23/2020	7'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
V 2	7/23/2020	7'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
V 3	7/23/2020	7'	In-Situ	<0.050	0.305	<10.0	<10.0	<20.0	<10.0	<30.0	272
V 4	7/23/2020	7'	In-Situ	<0.050	0.879	11.5	13.7	25.2	<10.0	25.2	496
V 5	7/23/2020	7'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
V 6	7/23/2020	7'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
V 7	7/23/2020	7'	In-Situ	0.121	0.443	<10.0	<10.0	<20.0	<10.0	<30.0	320
V 8	7/23/2020	7'	In-Situ	1.33	5.18	<10.0	<10.0	<20.0	<10.0	<30.0	288
V 9	7/23/2020	7'	Excavated	180	1,500	22,500	278	22,800	<100	22,800	544
V 10	7/23/2020	7'	Excavated	39.4	690	8,030	37.2	8,070	<10.0	8,070	448
V 11	7/23/2020	7'	In-Situ	0.707	44.0	420	27.5	448	<10.0	448	480
V 12	7/23/2020	7'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
V 13	7/23/2020	7'	Excavated	3.86	163	1,720	34.6	1,750	<10.0	1,750	240
V 14	7/23/2020	7'	In-Situ	0.616	48.6	479	38.5	518	<10.0	518	512
V 15	7/23/2020	7'	Excavated	4.18	140	1,110	49.8	1,160	<10.0	1,160	400
V 16	7/23/2020	7'	In-Situ	0.413	19.7	146	13.1	159	<10.0	159	320
H 1	7/23/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
H 1.1	7/23/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
H 1.2	7/23/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
H 2	7/23/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H 3	7/23/2020	4'	In-Situ	0.0790	0.377	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
H 3.1	7/23/2020	4'	In-Situ	0.221	0.895	28.5	<10.0	28.5	<10.0	28.5	<16.0
H 3.2	7/23/2020	4'	Excavated	44.4	530	6,720	31.2	6,750	<10.0	6,750	<16.0
H 4	7/23/2020	4'	In-Situ	<0.050	<0.300	38.0	<10.0	38.0	<10.0	38.0	48.0
V 9	8/4/2020	10'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
V 10	8/4/2020	10'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
V 13	8/4/2020	10'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
V 15	8/4/2020	10'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-
H 3.2	8/4/2020	6'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	-

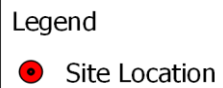
NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Appendix A

Depth to Groundwater Information



Inferred Depth to Groundwater Trend Map
ETC Texas Pipeline, Ltd.
West Eunice Discharge Line Remediation
GPS: 32.30835, -103.20269
Lea County



Drafted: mag Checked: jwl Date: 8/19/20



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 01702 POD1		CP	LE	2	1	1	20	23S	37E	670367	3574794	1697			
CP 01749 POD1		CP	LE	4	1	1	20	23S	37E	670434	3574468	1988			
CP 00374 POD1		CP	LE	2	1	20	23S	37E	670702	3574615*		2060	110		
CP 00855		CP	LE	3	3	20	23S	37E	670321	3573402*		2857	200	120	80
CP 00373 POD1		CP	LE	2	2	08	23S	37E	671449	3577847*		2883	150		
CP 00390 POD1		CP	LE	2	4	1	06	23S	37E	669120	3579111*	3078	100		
CP 00762		CP	LE	1	1	09	23S	37E	671849	3577854*		3208	185	100	85

Average Depth to Water: **110 feet**

Minimum Depth: **100 feet**

Maximum Depth: **120 feet**

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 669206.92

Northing (Y): 3576033.54

Radius: 3220

*UTM location was derived from PLSS - see Help

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.

8/19/20 10:52 AM

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 00373 POD1	2	2	08	23S	37E		671449	3577847*



x

Driller License: 122**Driller Company:** UNKNOWN**Driller Name:****Drill Start Date:****Drill Finish Date:****Plug Date:****Log File Date:****PCW Rcv Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 9.00**Depth Well:** 150 feet**Depth Water:**

x

*UTM location was derived from PLSS - see Help

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8/19/20 10:52 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 00374 POD1	2	1	20	23S	37E		670702	3574615*

x

Driller License: 122**Driller Company:** UNKNOWN**Driller Name:****Drill Start Date:****Drill Finish Date:****Plug Date:****Log File Date:****PCW Rcv Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 4.50**Depth Well:** 110 feet**Depth Water:**

x

*UTM location was derived from PLSS - see Help

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8/19/20 10:52 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 00390	POD1	2	4	1	06	23S	37E	669120	3579111*



x

Driller License: 122**Driller Company:** UNKNOWN**Driller Name:****Drill Start Date:****Drill Finish Date:****Plug Date:****Log File Date:****PCW Rcv Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:** 10 GPM**Casing Size:** 8.00**Depth Well:** 100 feet**Depth Water:**

x

*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 00762		1	1	09	23S	37E		671849	3577854*

x

Driller License: 882 **Driller Company:** LARRY'S DRILLING & PUMP CO.

Driller Name: FELKINS, LARRY

Drill Start Date: 05/01/1991

Drill Finish Date: 05/09/1991

Plug Date:

Log File Date: 06/05/1991

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 40 GPM

Casing Size: 6.00

Depth Well: 185 feet

Depth Water: 100 feet

x

Water Bearing Stratifications:

Top	Bottom	Description
100	160	Sandstone/Gravel/Conglomerate

x

Casing Perforations:

Top	Bottom
160	185

x

*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	00855	3	3	20	23S	37E	670321	3573402*	

x

Driller License: 763 **Driller Company:** C & R DRILLING

Driller Name: FELKINS, CLIFTON L.

Drill Start Date: 10/01/1996

Drill Finish Date: 10/03/1996

Plug Date:

Log File Date: 10/09/1996

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 25 GPM

Casing Size: 4.00

Depth Well: 200 feet

Depth Water: 120 feet

x

Water Bearing Stratifications:

Top	Bottom	Description
150	195	Sandstone/Gravel/Conglomerate

x

Casing Perforations:

Top	Bottom
160	200

x

*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
NA	CP 01702 POD1	2	1	1	20	23S	37E	670367	3574794

Driller License: 1044

Driller Company: EADES WELL DRILLING & PUMP SERVICE

Driller Name: EADES, ALAN

Drill Start Date: 09/14/2018

Drill Finish Date: 09/14/2018

Plug Date: 09/14/2018

Log File Date: 01/16/2019

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

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

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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 01749 POD1	4	1	1	20	23S	37E	670434	3574468

x

Driller License: 1044 **Driller Company:** EADES WELL DRILLING & PUMP SERVICE

Driller Name: EADES, ALAN

Drill Start Date: 01/15/2019 **Drill Finish Date:** 01/16/2019 **Plug Date:** 01/16/2019

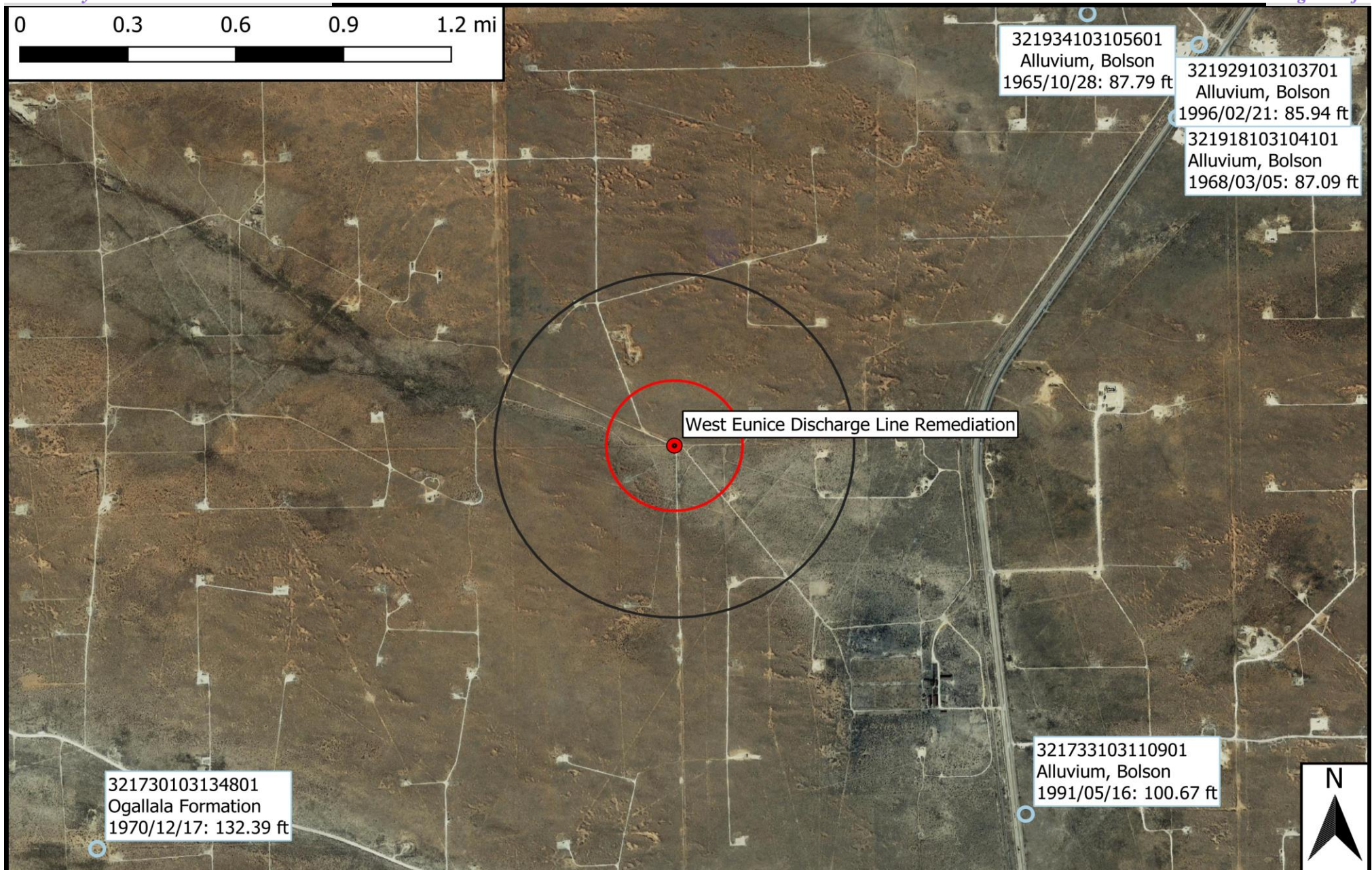
Log File Date: 02/21/2019 **PCW Rcv Date:** **Source:**
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: **Depth Well:** **Depth Water:**

x

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.

8/19/20 10:52 AM

POINT OF DIVERSION SUMMARY



Legend

- Site Location
- Well - USGS
- 0.5 Mi Radius
- 1000 Ft Radius

Figure 5

USGS Well Proximity Map
ETC Texas Pipeline, Ltd.
West Eunice Discharge Line Remediation
GPS: 32.30835, -103.20269
Lea County



Drafted: mag

Checked: jwl

Date: 8/19/20



National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: United States GO

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list = 321730103134801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321730103134801 23S.36E.23.22141

Lea County, New Mexico
Latitude 32°17'30", Longitude 103°13'48" NAD27
Land-surface elevation 3,361 feet above NAVD88
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Water-level accuracy	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1968-03-26		D	132.80			2		U		U	A
1970-12-17		D	132.39			2		U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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0.25 0.23 nadww01



National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321733103110901

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321733103110901 23S.37E.20.122213

Lea County, New Mexico
Latitude 32°17'33", Longitude 103°11'09" NAD27
Land-surface elevation 3,311 feet above NAVD88
The depth of the well is 110 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status	
1965-11-03			D	100.27			2		U		U	A
1968-03-01			D	100.27			2		U		U	A
1970-12-16			D	100.24			2		U		U	A
1981-03-25			D	100.36			2		U		U	A
1986-03-20			D	100.95			2		U		U	A
1991-05-16			D	100.67			2		U		U	A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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0.28 0.27 nadww01



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USGS Water Resources

Data Category:

Groundwater

Geographic Area:

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321918103104101

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321918103104101 23S.37E.08.22200

Lea County, New Mexico
Latitude 32°19'18", Longitude 103°10'41" NAD27
Land-surface elevation 3,323 feet above NAVD88
The depth of the well is 150 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1965-10-28		D	87.00			2		U		U	A
1968-03-05		D	87.09			2		U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Groundwater

Geographic Area:

United States

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Agency code = usgs
site_no list =

- 321929103103701

Minimum number of levels = 1
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USGS 321929103103701 23S.37E.05.44243

Lea County, New Mexico
Latitude 32°19'29", Longitude 103°10'37" NAD27
Land-surface elevation 3,322 feet above NAVD88
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-03-05			D88.08			2			U		UA
1970-12-18			D85.00			2			U		UA
1976-01-15			D85.05			2			U		UA
1981-03-24			D85.28			2			U		UA
1986-03-20			D85.54			2			U		UA
1991-05-16			D85.50			2			U		UA
1996-02-21			D85.94			2			S		UA

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels

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



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0.3 0.27 nadww01



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Agency code = usgs
site_no list =

- 321934103105601

Minimum number of levels = 1
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USGS 321934103105601 23S.37E.05.43211

Lea County, New Mexico
Latitude 32°19'34", Longitude 103°10'56" NAD27
Land-surface elevation 3,330 feet above NAVD88
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1965-10-28		D	87.79			2		U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Appendix B

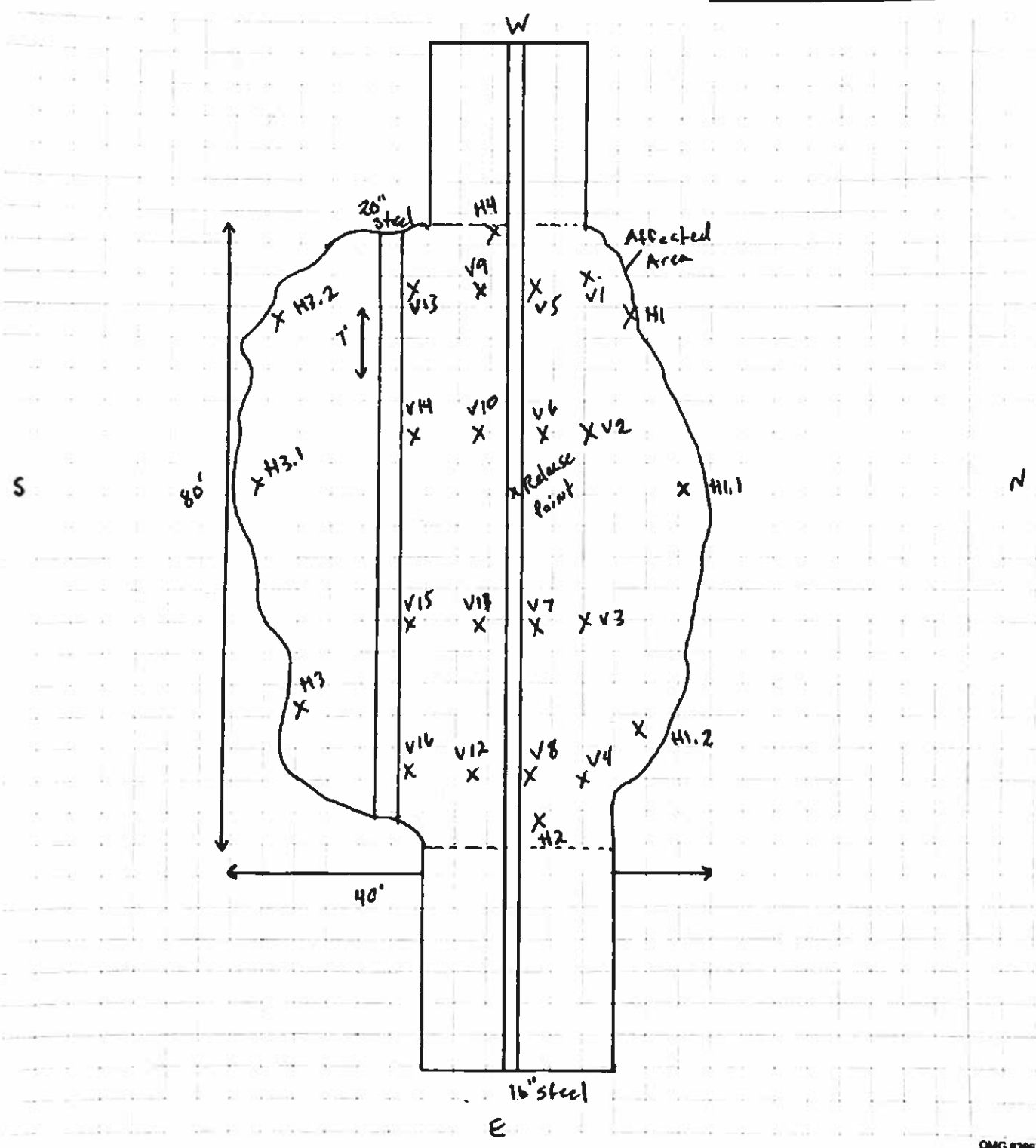
Field Data and Soil Profile Logs



PO Box 2978
Hobbs, NM 88241
575-393-1417

Midland, TX
432-245-1164

Date:	7/23/2020
Client:	ETC
Location:	West Eunice Discharge
GPS:	32.308381 -103.202841
Prepared By:	Tyler R.



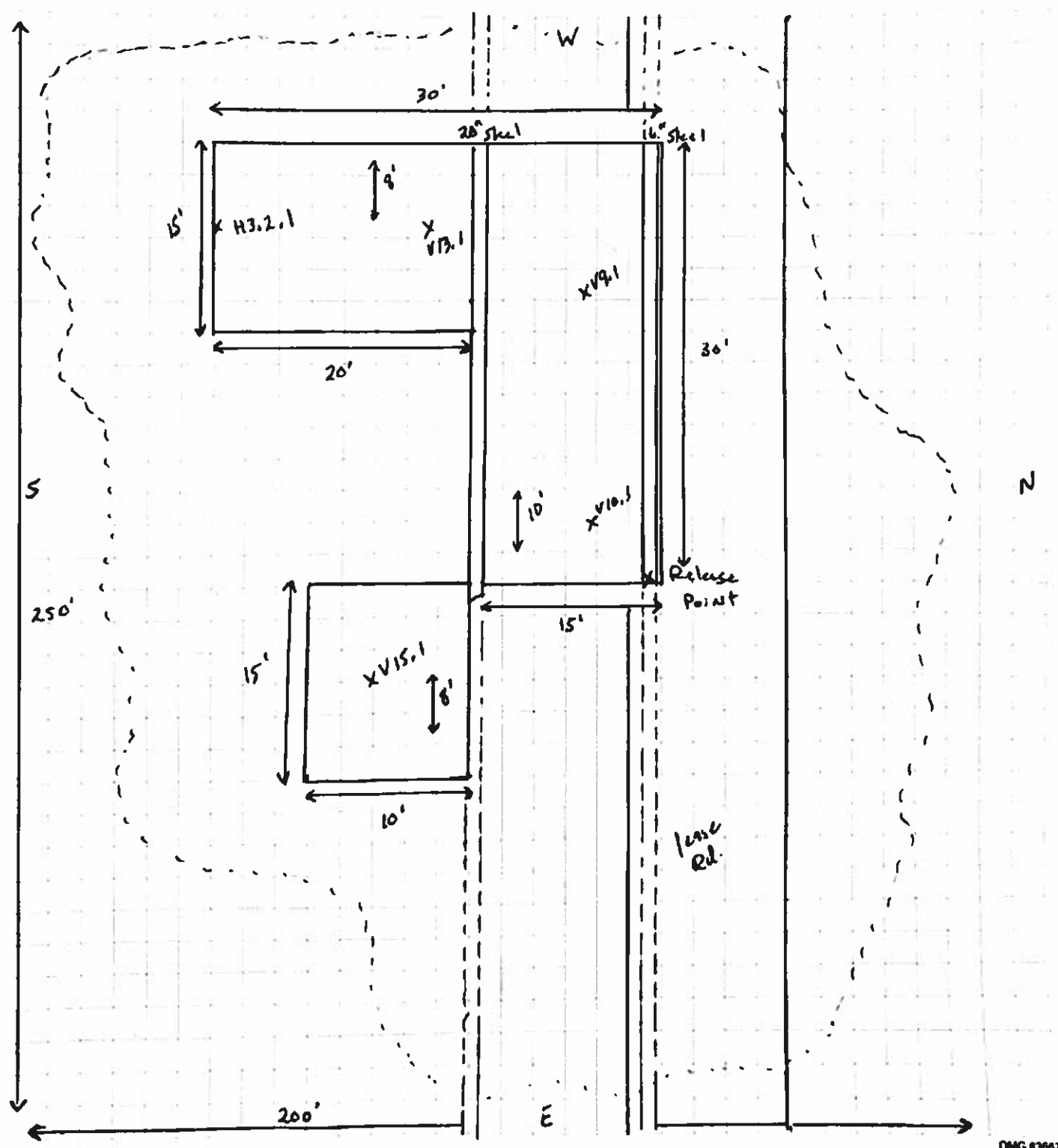
OMG #3967



PO Box 2978
Hobbs, NM 88241
575-393-1417

Midland, TX
432-245-1164

Date:	8/4/2020
Client:	ETC
Location:	West Eunice Discharge
GPS:	32.308381 -103.202841
Prepared By:	Tyler B.



OMG #3667



Soil Profile

Date: 8/4/20

Project: West Eunice Discharge Line Remediation
Project Number: 12891 Latitude: 32.30835 Longitude: -103.20269

Depth (ft. bgs)	Description
1	Compacted Caliche (Road)
2	
3	
4	
5	
6	Caliche & caliche dust/sand
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
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19	
20	
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39	
40	

Appendix C

Laboratory Analytical Reports



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

July 24, 2020

DEAN ERICSON

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: WEST EUNICE DISCHARGE

Enclosed are the results of analyses for samples received by the laboratory on 07/23/20 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 1 7' (H001930-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2020	ND	1.91	95.7	2.00	2.42	
Toluene*	<0.050	0.050	07/23/2020	ND	1.91	95.6	2.00	2.68	
Ethylbenzene*	<0.050	0.050	07/23/2020	ND	1.90	95.1	2.00	3.01	
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.48	91.3	6.00	3.02	
Total BTEX	<0.300	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/24/2020	ND	432	108	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.1 % 42.2-156

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:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 2 7' (H001930-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2020	ND	1.91	95.7	2.00	2.42	
Toluene*	<0.050	0.050	07/23/2020	ND	1.91	95.6	2.00	2.68	
Ethylbenzene*	<0.050	0.050	07/23/2020	ND	1.90	95.1	2.00	3.01	
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.48	91.3	6.00	3.02	
Total BTX	<0.300	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.4 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 3 7' (H001930-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2020	ND	1.91	95.7	2.00	2.42		
Toluene*	<0.050	0.050	07/23/2020	ND	1.91	95.6	2.00	2.68		
Ethylbenzene*	0.074	0.050	07/23/2020	ND	1.90	95.1	2.00	3.01		
Total Xylenes*	0.231	0.150	07/23/2020	ND	5.48	91.3	6.00	3.02		
Total BTX	0.305	0.300	07/23/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 4 7' (H001930-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2020	ND	1.91	95.7	2.00	2.42	
Toluene*	0.076	0.050	07/23/2020	ND	1.91	95.6	2.00	2.68	
Ethylbenzene*	0.183	0.050	07/23/2020	ND	1.90	95.1	2.00	3.01	
Total Xylenes*	0.620	0.150	07/23/2020	ND	5.48	91.3	6.00	3.02	
Total BTX	0.879	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/24/2020	ND	400	100	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*	11.5	10.0	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	13.7	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 110 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 5 7' (H001930-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	<0.050	0.050	07/23/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEx	<0.300	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 6 7' (H001930-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	<0.050	0.050	07/23/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEx	<0.300	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 73.3-129

Chloride, SM4500CI-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	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 7 7' (H001930-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.121	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	0.266	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	0.056	0.050	07/23/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEX	0.443	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.2 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 8 7' (H001930-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.33	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	2.65	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	0.449	0.050	07/23/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	0.754	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508	
Total BTX	5.18	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 73.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.2 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 9 7' (H001930-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	180	10.0	07/24/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	754	10.0	07/24/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	211	10.0	07/24/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	360	30.0	07/24/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEX	1500	60.0	07/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/24/2020	ND	400	100	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*	22500	100	07/24/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	278	100	07/24/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<100	100	07/24/2020	ND					

Surrogate: 1-Chlorooctane 130 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 10 7' (H001930-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	39.4	5.00	07/24/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	316	5.00	07/24/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	121	5.00	07/24/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	214	15.0	07/24/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEx	690	30.0	07/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/24/2020	ND	400	100	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*	8030	10.0	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	37.2	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 11 7' (H001930-11)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.707	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	9.82	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	9.51	0.050	07/23/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	23.9	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEX	44.0	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 195 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/24/2020	ND	400	100	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*	420	10.0	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	27.5	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 12 7' (H001930-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	0.059	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	0.063	0.050	07/23/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	0.162	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508	
Total BTX	<0.300	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.1 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 13 7' (H001930-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.86	0.500	07/24/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	59.9	0.500	07/24/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	33.5	0.500	07/24/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	65.3	1.50	07/24/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEX	163	3.00	07/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/24/2020	ND	400	100	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*	1720	10.0	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	34.6	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.5 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 14 7' (H001930-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.616	0.200	07/24/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	12.2	0.200	07/24/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	11.5	0.200	07/24/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	24.3	0.600	07/24/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEX	48.6	1.20	07/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/24/2020	ND	400	100	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*	479	10.0	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	38.5	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.8 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 15 7' (H001930-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.18	1.00	07/24/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	52.8	1.00	07/24/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	28.8	1.00	07/24/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	53.9	3.00	07/24/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEX	140	6.00	07/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	07/24/2020	ND	400	100	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*	1110	10.0	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	49.8	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.1 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 16 7' (H001930-16)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.413	0.200	07/24/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	5.36	0.200	07/24/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	4.41	0.200	07/24/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	9.55	0.600	07/24/2020	ND	5.78	96.4	6.00	0.0508	
Total BTX	19.7	1.20	07/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/24/2020	ND	400	100	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*	146	10.0	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	13.1	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.9 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H 1 4' (H001930-17)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	0.060	0.050	07/24/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	<0.050	0.050	07/24/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	<0.150	0.150	07/24/2020	ND	5.78	96.4	6.00	0.0508	
Total BTX	<0.300	0.300	07/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 73.3-129

Chloride, SM4500CI-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	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 1.1 4' (H001930-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2020	ND	1.97	98.5	2.00	0.185		
Toluene*	<0.050	0.050	07/24/2020	ND	1.97	98.5	2.00	0.481		
Ethylbenzene*	<0.050	0.050	07/24/2020	ND	2.00	100	2.00	0.0295		
Total Xylenes*	<0.150	0.150	07/24/2020	ND	5.78	96.4	6.00	0.0508		
Total BTEx	<0.300	0.300	07/24/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 94.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.3 % 42.2-156

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Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 1.2 4' (H001930-19)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185		
Toluene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481		
Ethylbenzene*	<0.050	0.050	07/23/2020	ND	2.00	100	2.00	0.0295		
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508		
Total BTEx	<0.300	0.300	07/23/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 73.3-129

Chloride, SM4500CI-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	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H 2 4' (H001930-20)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185		
Toluene*	0.064	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481		
Ethylbenzene*	<0.050	0.050	07/23/2020	ND	2.00	100	2.00	0.0295		
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508		
Total BTX	<0.300	0.300	07/23/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 73.3-129

Chloride, SM4500CI-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	07/24/2020	ND	400	100	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	07/23/2020	ND	199	99.7	200	0.484		
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	234	117	200	13.4		
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND						

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H 3 4' (H001930-21)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.079	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	0.231	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	0.067	0.050	07/23/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEX	0.377	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 73.3-129

Chloride, SM4500CI-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	07/24/2020	ND	400	100	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	07/23/2020	ND	208	104	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	192	96.2	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 92.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 3.1 4' (H001930-22)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.221	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	0.573	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	0.101	0.050	07/23/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEx	0.895	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 73.3-129

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	07/24/2020	ND	400	100	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*	28.5	10.0	07/23/2020	ND	208	104	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	192	96.2	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 07/23/2020
Reported: 07/24/2020
Project Name: WEST EUNICE DISCHARGE
Project Number: 32.308381-103.202841
Project Location: NEW MEXICO

Sampling Date: 07/23/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 3.2 4' (H001930-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	44.4	2.00	07/24/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	269	2.00	07/24/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	79.6	2.00	07/24/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	137	6.00	07/24/2020	ND	5.78	96.4	6.00	0.0508	
Total BTEX	530	12.0	07/24/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

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	07/24/2020	ND	400	100	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*	6720	10.0	07/23/2020	ND	208	104	200	0.217	
DRO >C10-C28*	31.2	10.0	07/23/2020	ND	192	96.2	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 07/23/2020
 Reported: 07/24/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 32.308381-103.202841
 Project Location: NEW MEXICO

Sampling Date: 07/23/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H 4 4' (H001930-24)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.185	
Toluene*	<0.050	0.050	07/23/2020	ND	1.97	98.5	2.00	0.481	
Ethylbenzene*	<0.050	0.050	07/23/2020	ND	2.00	100	2.00	0.0295	
Total Xylenes*	<0.150	0.150	07/23/2020	ND	5.78	96.4	6.00	0.0508	
Total BTX	<0.300	0.300	07/23/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 73.3-129

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	07/24/2020	ND	400	100	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*	38.0	10.0	07/23/2020	ND	208	104	200	0.217	
DRO >C10-C28*	<10.0	10.0	07/23/2020	ND	192	96.2	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	07/23/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

Page 27 of 29



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Page 28 of 29



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ETC		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Dean Erickson		Company:					
Address:		Attn:					
City:		Address:					
State:		City:					
Zip:		State:					
Phone #:		Fax #:					
Project #:		Project Owner:					
Project Name: West Eunice Discharge		Phone #:					
Project Location: 32308381-103202841		Fax #:					
Sampler Name: Stephen Sprail		FOR LAB USE ONLY					
Lab I.D.		Sample I.D.		DATE		TIME	
H001930		V11 7'		7-23		CL	
12 V12 7'						BTEX	
13 V13 7'						TPH	
14 V14 7'							
15 V15 7'							
16 V16 7'							
17 H1 4'							
18 H11 4'							
19 H12 4'							
20 H2 4'							

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Relinquished By: Stephen Sprail		Date: 7-23		Received By: Manana Alkhalaf	
Relinquished By:		Date:		Received By:	
Time:		Time:		Time:	
Delivered By: (Circle One)		Observed Temp. °C 2-7		Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
				Checked BY: (Initials)	
				Turnaround Time: 1 hr	
				Thermometer ID #113	
				Correction Factor None	
				Standard <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/>	
				Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
				Observed Temp. °C	
				Corrected Temp. °C	

62 jo 62 eba



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ETC		P.O. #:		BILL TO										ANALYSIS REQUEST									
Project Manager: Kyan Ericson		Company:																					
Address:		Attn:																					
City:		Address:																					
State:		City:																					
Zip:		State:																					
Phone #:		Fax #:																					
Project #:		Project Owner:																					
Project Name: West Eunice Discharge		State:																					
Project Location: 32.308381 -103.202841		Phone #:																					
Sample Name: Stephan Spail		Fax #:																					
FOR LAB USE ONLY		PRESERV.																					
		SAMPLING																					
Lab I.D.		Sample I.D.																					
H001930																							
01 H3 4'		(G)RAB OR (C)OMP.																					
02 H3.1 4'		# CONTAINERS																					
03 H3.2 4'		GROUNDWATER																					
04 H4 4'		WASTEWATER																					
		SOIL																					
		OIL																					
		SLUDGE																					
		OTHER :																					
		ACID/BASE:																					
		ICE / COOL																					
		OTHER :																					
		DATE																					
		TIME																					
		CL																					
		BTex																					
		TPH																					

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Relinquished By:

Date: 7-23

Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Date: 7-23

Received By:

REMARKS:

Nm Rush

Delivered By: (Circle One)

Observed Temp. °C

27

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

☐

Bacteria (only)

Sample Condition

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool ☐ Intact ☐

Thermometer ID #113

Correction Factor None

Cool ☐ Intact ☐☐

Observed Temp. °C

Corrected Temp. °C

FORM 006 R-0.1 09/04/20

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



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

August 05, 2020

DEAN ERICSON

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: WEST EUNICE DISCHARGE

Enclosed are the results of analyses for samples received by the laboratory on 08/04/20 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 08/04/2020
 Reported: 08/05/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 16 IN
 Project Location: NEW MEXICO 32.308381-103.202841

Sampling Date: 08/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 9 10' (H002014-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2020	ND	1.89	94.6	2.00	1.90	
Toluene*	<0.050	0.050	08/04/2020	ND	1.83	91.3	2.00	2.39	
Ethylbenzene*	<0.050	0.050	08/04/2020	ND	1.84	92.1	2.00	2.67	
Total Xylenes*	<0.150	0.150	08/04/2020	ND	5.35	89.1	6.00	2.71	
Total BTEX	<0.300	0.300	08/04/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 73.3-129

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	08/04/2020	ND	204	102	200	2.73	
DRO >C10-C28*	<10.0	10.0	08/04/2020	ND	215	107	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	08/04/2020	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.6 % 42.2-156

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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:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 08/04/2020
 Reported: 08/05/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 16 IN
 Project Location: NEW MEXICO 32.308381-103.202841

Sampling Date: 08/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 10 10' (H002014-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2020	ND	1.89	94.6	2.00	1.90		
Toluene*	<0.050	0.050	08/04/2020	ND	1.83	91.3	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/04/2020	ND	1.84	92.1	2.00	2.67		
Total Xylenes*	<0.150	0.150	08/04/2020	ND	5.35	89.1	6.00	2.71		
Total BTX	<0.300	0.300	08/04/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 73.3-129

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	08/04/2020	ND	204	102	200	2.73	
DRO >C10-C28*	<10.0	10.0	08/04/2020	ND	215	107	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	08/04/2020	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 08/04/2020
 Reported: 08/05/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 16 IN
 Project Location: NEW MEXICO 32.308381-103.202841

Sampling Date: 08/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 13 10' (H002014-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2020	ND	1.89	94.6	2.00	1.90		
Toluene*	<0.050	0.050	08/04/2020	ND	1.83	91.3	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/04/2020	ND	1.84	92.1	2.00	2.67		
Total Xylenes*	<0.150	0.150	08/04/2020	ND	5.35	89.1	6.00	2.71		
Total BTX	<0.300	0.300	08/04/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 73.3-129

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	08/04/2020	ND	204	102	200	2.73	
DRO >C10-C28*	<10.0	10.0	08/04/2020	ND	215	107	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	08/04/2020	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 08/04/2020
 Reported: 08/05/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 16 IN
 Project Location: NEW MEXICO 32.308381-103.202841

Sampling Date: 08/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V 15 10' (H002014-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2020	ND	1.89	94.6	2.00	1.90		
Toluene*	<0.050	0.050	08/04/2020	ND	1.83	91.3	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/04/2020	ND	1.84	92.1	2.00	2.67		
Total Xylenes*	<0.150	0.150	08/04/2020	ND	5.35	89.1	6.00	2.71		
Total BTEX	<0.300	0.300	08/04/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 73.3-129

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	08/04/2020	ND	204	102	200	2.73	
DRO >C10-C28*	<10.0	10.0	08/04/2020	ND	215	107	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	08/04/2020	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 08/04/2020
 Reported: 08/05/2020
 Project Name: WEST EUNICE DISCHARGE
 Project Number: 16 IN
 Project Location: NEW MEXICO 32.308381-103.202841

Sampling Date: 08/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H 3.2 6' (H002014-05)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2020	ND	1.89	94.6	2.00	1.90		
Toluene*	<0.050	0.050	08/04/2020	ND	1.83	91.3	2.00	2.39		
Ethylbenzene*	<0.050	0.050	08/04/2020	ND	1.84	92.1	2.00	2.67		
Total Xylenes*	<0.150	0.150	08/04/2020	ND	5.35	89.1	6.00	2.71		
Total BTX	<0.300	0.300	08/04/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 73.3-129

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	08/04/2020	ND	204	102	200	2.73	
DRO >C10-C28*	<10.0	10.0	08/04/2020	ND	215	107	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	08/04/2020	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.4 % 42.2-156

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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

Page 8 of 8



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Appendix D

Photographic Log

Photographic Log



Photo Number: 1	<div>West Eunice Discharge 32.308381 -103.202841</div> <div>8/4/2020</div> 
Photo Direction: West	
Photo Description: Excavated area.	

Photo Number: 2	<div>8/4/2020</div> <div>West Eunice Discharge 32.308381 -103.202841</div> 
Photo Direction: West	
Photo Description: Excavated pipeline.	

Photographic Log

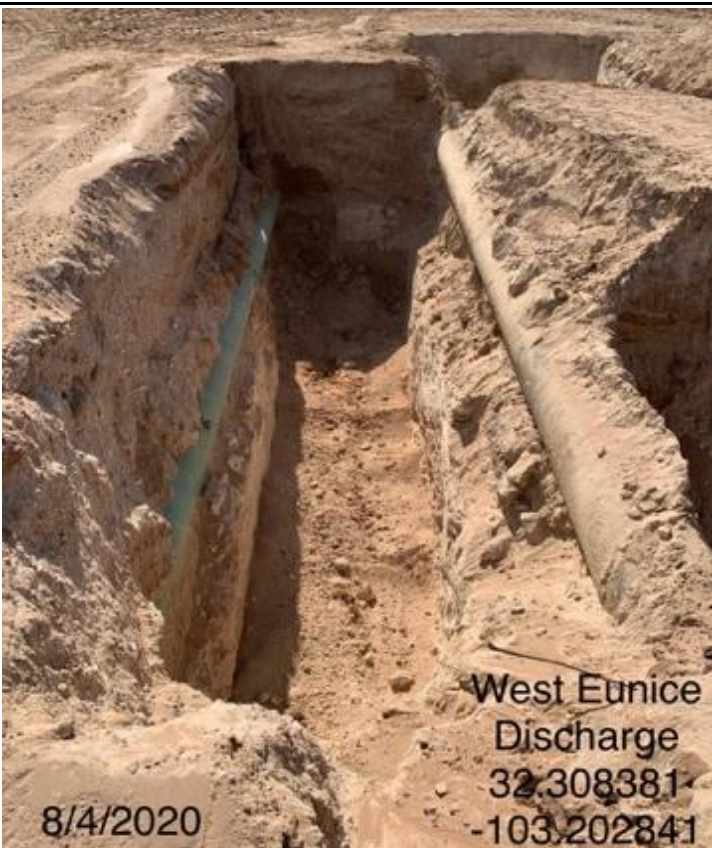

Photo Number: 3	
Photo Direction: East	
Photo Description: Excavated pipeline.	

Photo Number: 4	
Photo Direction: East	
Photo Description: Excavated area.	

Photographic Log



Photo Number: 5	
Photo Direction: East	
Photo Description: Excavated pipeline.	

Photo Number: 6	
Photo Direction: South	
Photo Description: Excavation area after backfill and grading.	

Photographic Log

Photo Number: 7	West Eunice Discharge 32.301381 -103.202841 8/5/2020 
Photo Direction: East	
Photo Description: Excavation area after backfill and grading.	

Photo Number: 8	West Eunice Discharge 32.301381 -103.202841 8/5/2020 
Photo Direction: West	
Photo Description: Excavation area after backfill and grading.	

Form C-141

Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Dean EricsonTitle: Sr. Environmental SpecialistSignature: Date: 9/16/20email: Dean.Ericson@energytransfer.comTelephone: (817) 302-9573**OCD Only**

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
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: Dean Ericson Title: Sr. Environmental Specialist

Signature:  Date: 9/16/20

email: Dean.Ericson@energytransfer.com Telephone: (817) 302-9573

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: _____

Printed Name: _____ Title: _____

Incident ID	NRM2021857585
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: Dean Ericson Title: Sr. Environmental Specialist

Signature: _____ Date: _____

email: Dean.Ericson@energytransfer.com Telephone: (817) 302-9573

OCD Only

Received by: Robert Hamlet Date: 3/1/2021

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: Robert Hamlet Date: 3/1/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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 10217

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
ETC TEXAS PIPELINE, LTD. Suite 600 Dallas, TX75225	371183	10217	C-141

OCD Reviewer	Condition
rhamlet	We have received your closure report and final C-141 for Incident #NRM2021857585 WEST EUNICE DISCHARGE PIPELINE, thank you. This closure is approved.