Form C-141
Page 6

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: Dean R Ericson Date: 6/1/20

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: _____

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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Printed Name: Dean Ericson Title: Sr. Environmental Specialist

Signature: Dean Ericson Date: 6/1/20

email: dean.ericson@energytransfer.com Telephone: 817-302-9573

OCD Only

Received by: _____ Date: _____

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?	~41 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

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Printed Name: Dean Ericson Title: Sr. Environmental Specialist

Signature: _____ Date: _____

email: dean.ericson@energytransfer.com Telephone: 817-302-9573

OCD Only

Received by: _____ Date: _____

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Closure

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

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☒ Description of remediation activities

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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.
Fullerton 16H
Lea County, New Mexico
Unit Letter N, Section 35, Township 22 South, Range 37 East
Latitude 32.428298 North, Longitude 103.134562 West
NMOCD Reference No. pending

Prepared By:

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

Joel Lowry

Daniel Dominguez

TABLE OF CONTENTS

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 Fullerton 16H. Details of the release are summarized below:

Location of Release Source

Latitude: 32.428298 Longitude: -103.134562

Provided GPS are in WGS84 format.

Site Name:	Fullerton 16H	Site Type:	Pipeline
Date Release Discovered:	3/11/2020	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
N	35	22S	37E	Lea

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name Geraldine Osborn)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	[ ] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[X] Natural Gas	Volume Released (Mcf) 188.5	Volume Recovered (Mcf) 0
[X] Other (describe) Oil & Condensate Mix	Volume/Weight Released 13.09 bbls	Volume/Weight Recovered 65 bbls (also contained rain water)

Cause of Release:
Attributed to corrosion of pipeline segment.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] 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?	~41 ft
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☐ Yes ☒ No

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

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**
~41 ft	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	100 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	N/A 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 April 23, 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 May 8, 2020, ETC collected 12 excavation confirmation soil samples. The collected soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX, TPH, and chloride 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 approximately 37 ft. in length, 27 ft in width and ranged from 8 to 10 ft. in depth. During the course of remediation activities approximately 312 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 Fullerton 16H 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..

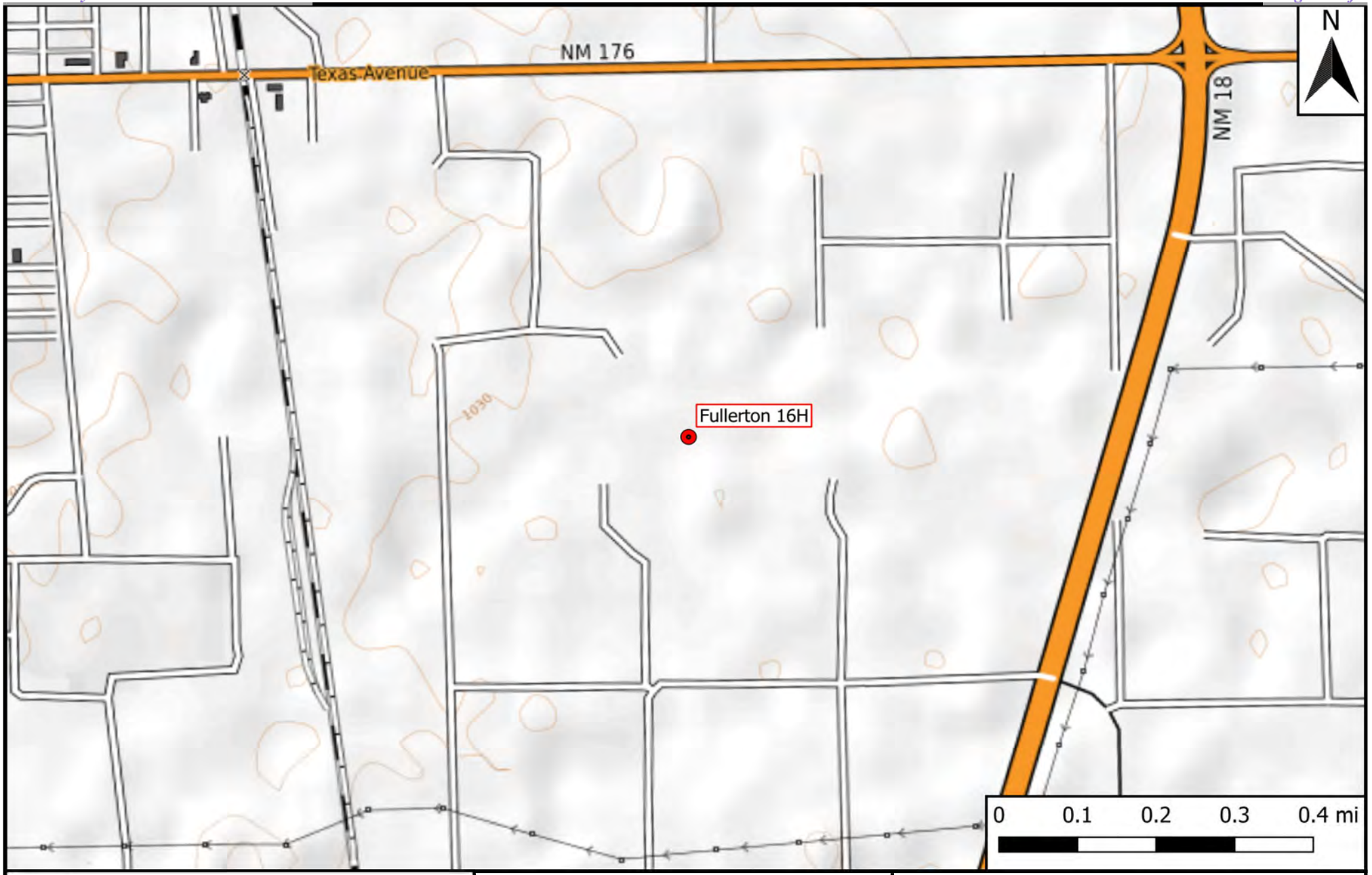
8.0 DISTRIBUTION

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 2
811 S. First Street
Artesia, NM 88210

(Electronic Submission)

Figure 1
Topographic Map



Legend

Site Location

Figure 1

Topographic Map

ETC Texas Pipeline, Ltd.

Fullerton 16H

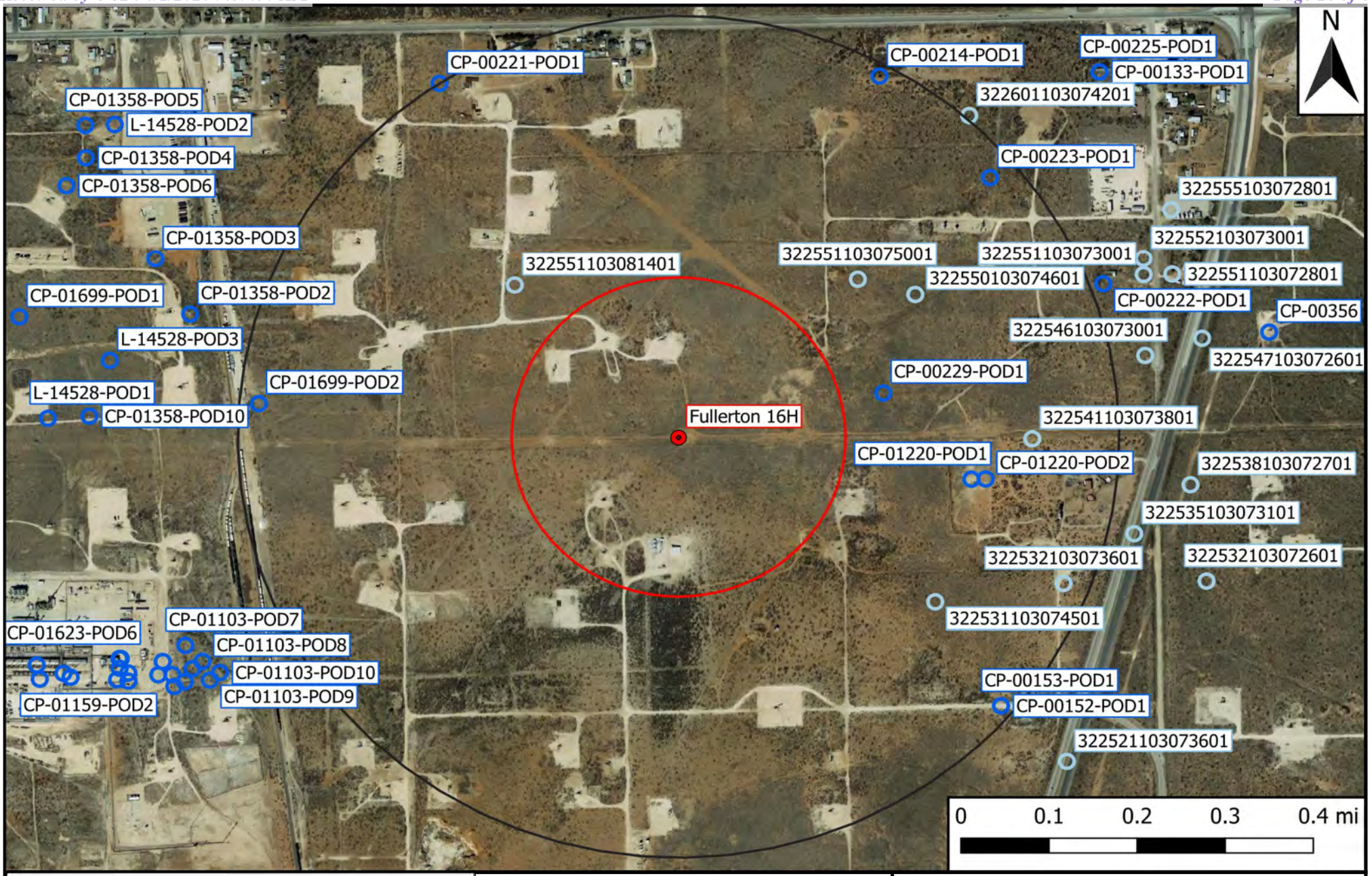
GPS: 32.428298, -103.134562

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 5/6/20

Figure 2
Aerial Proximity Map



Legend

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

Figure 2

Aerial Map

ETC Texas Pipeline, Ltd.

Fullerton 16H

GPS: 32.428298, -103.134562

Lea County

ETECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 5/6/20

Figure 3
Site and Sample Location Map

Legend:

NSW1 Sample Location

Buried Polyline

10' Excavation

8' Excavation

Figure 3

Site and Sample Location Map

ETC Texas Pipeline, Ltd.

Fullerton 16H

GPS: 32.428298, -103.134562

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: dd Checked: jwl Date: 5/8/20

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.
Fullerton 16H
NMOCD Ref. #: pending

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
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)**
NWF	5/8/2020	10'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SWF	5/8/2020	8'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NCF	5/8/2020	10'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SCF	5/8/2020	8'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NEF	5/8/2020	10'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SEF	5/8/2020	8'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SSW1	5/8/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SSW2	5/8/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
ESW1	5/8/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
WSW1	5/8/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NSW1	5/8/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
NSW2	5/8/2020	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224

NOTES:

Appendix A
Depth to Groundwater Information

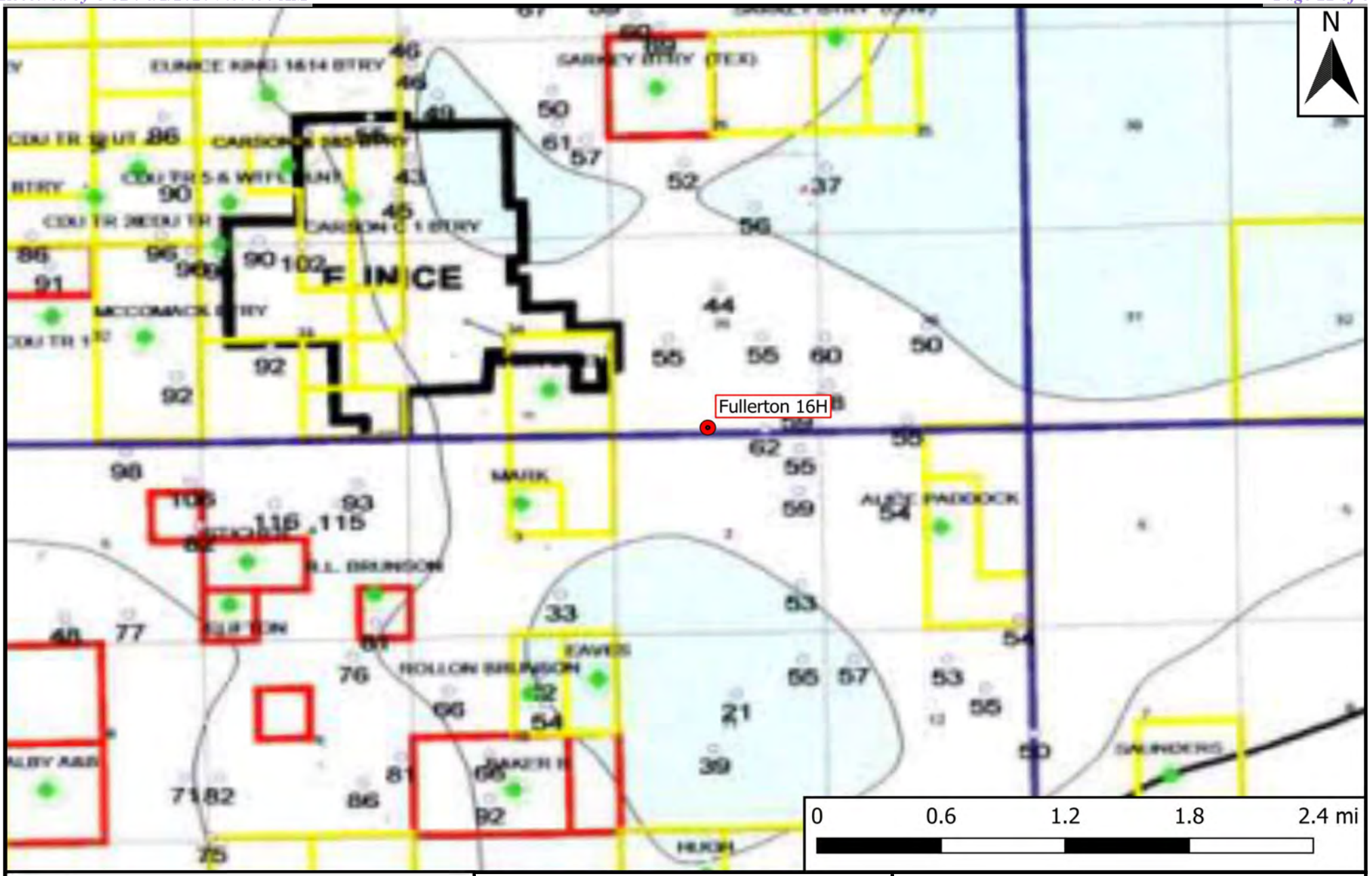


Figure 4
Inferred Depth to Groundwater Trend Map
ETC Texas Pipeline, Ltd.
Fullerton 16H
GPS: 32.428298, -103.134562
Lea County

ETECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 5/6/20

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	Depth Well	Depth Water	Water Column
CP 01220 POD1		CP	LE		1	2	02	22S	37E	675925	3589363	540	65	48	17
CP 01220 POD2		CP	LE		1	2	02	22S	37E	675951	3589363	566	65	48	17
CP 01699 POD2		CP	LE	4	4	4	34	21S	37E	674623	3589506	769	46	29	17
CP 00221 POD1		CP	LE	2	1	3	35	21S	37E	674953	3590115*	802	290		

Average Depth to Water: **41 feet**

Minimum Depth: **29 feet**

Maximum Depth: **48 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 675389.87 **Northing (Y):** 3589442.3 **Radius:** 804.67

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00221 POD1	2	1	3	35	21S	37E	674953	3590115*

Driller License: **Driller Company:**

Driller Name: J.M. OWEN

Drill Start Date: **Drill Finish Date:** 12/31/1964 **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 4 GPM

Casing Size: 8.63 **Depth Well:** 290 feet **Depth Water:**

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 01220 POD1	1	2		02	22S	37E	675925	3589363

Driller License: 1711 **Driller Company:** STRAUB CORPORATION

Driller Name: MARTIN STRAUB

Drill Start Date: 11/05/2013 **Drill Finish Date:** 11/05/2013 **Plug Date:**

Log File Date: 12/04/2013 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 4.00 **Depth Well:** 65 feet **Depth Water:** 48 feet

Water Bearing Stratifications:	Top	Bottom	Description
	41	50	Sandstone/Gravel/Conglomerate
	50	57	Sandstone/Gravel/Conglomerate
	57	65	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	40	65

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 01220 POD2	1	2		02	22S	37E	675951	3589363

Driller License: 1711 **Driller Company:** STRAUB CORPORATION

Driller Name: MARTIN STRAUB

Drill Start Date: 11/05/2013 **Drill Finish Date:** 11/05/2013 **Plug Date:**

Log File Date: 12/04/2013 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 4.00 **Depth Well:** 65 feet **Depth Water:** 48 feet

Water Bearing Stratifications:	Top	Bottom	Description
	46	51	Sandstone/Gravel/Conglomerate
	51	58	Sandstone/Gravel/Conglomerate
	58	65	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	40	65

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	Twsp	Rng	X	Y
NA	CP 01699 POD2	4	4	4	34	21S	37E	674623	3589506

Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: SHAWN CAIN

Drill Start Date: 09/12/2018 **Drill Finish Date:** 09/12/2018 **Plug Date:**

Log File Date: 02/11/2019 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 0 GPM

Casing Size: 2.00 **Depth Well:** 46 feet **Depth Water:** 29 feet

Water Bearing Stratifications:	Top	Bottom	Description
	20	45	Sandstone/Gravel/Conglomerate
	45	46	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	36	46

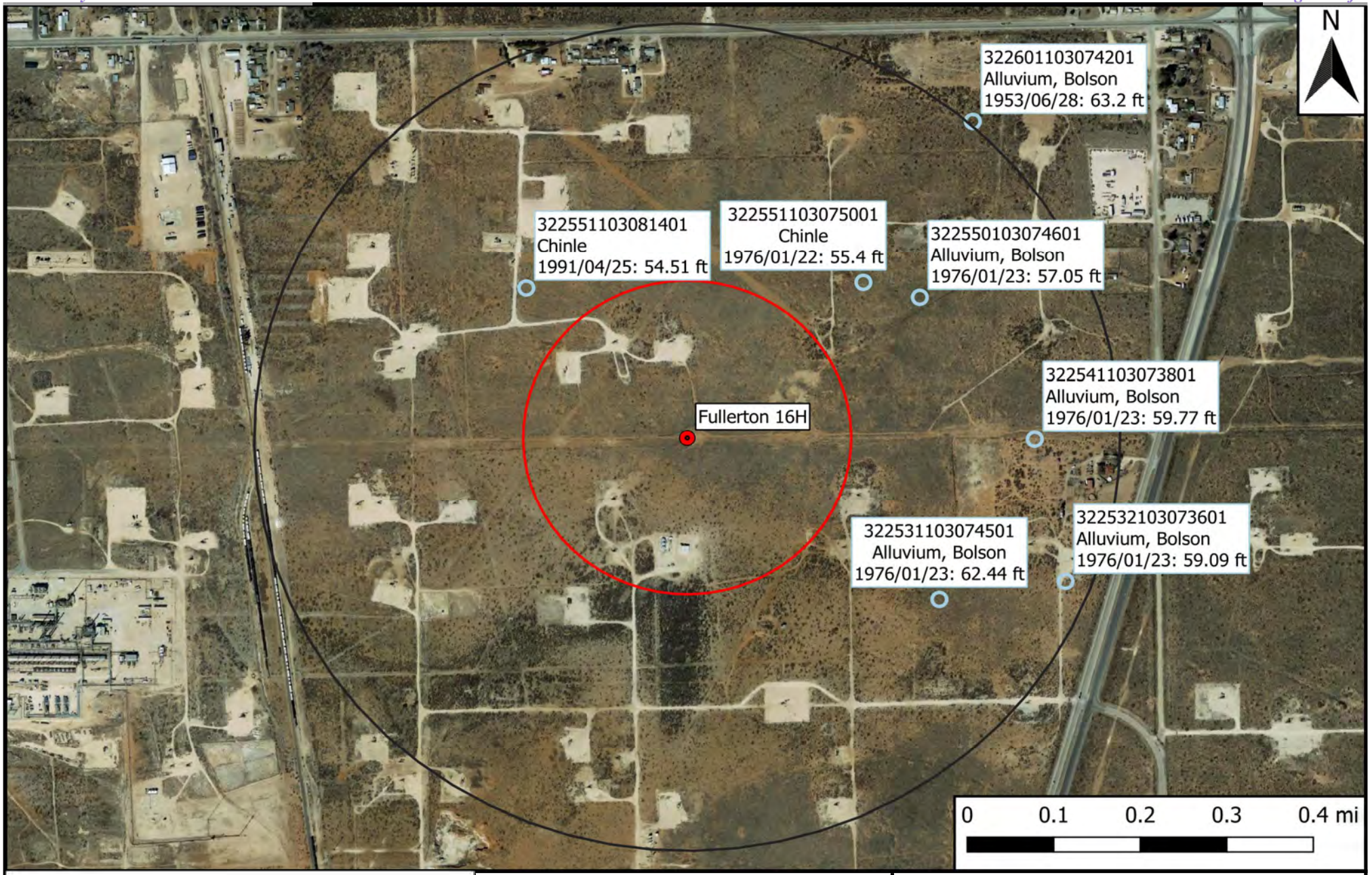


Figure 5
USGS Well Proximity Map
ETC Texas Pipeline, Ltd.
Fullerton 16H
GPS: 32.428298, -103.134562
Lea County

ETECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 5/6/20

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322531103074501

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

USGS 322531103074501 21S.37E.35.43444

Lea County, New Mexico
Latitude 32°25'31", Longitude 103°07'45" NAD27
Land-surface elevation 3,361 feet above NAVD88
The depth of the well is 85 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
1976-01-23		D	62.44			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.

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-05-06 10:35:34 EDT
0.25 0.24 nadww01

National Water Information System: Web Interface

USGS Water Resources

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

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322532103073601

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

USGS 322532103073601 21S.37E.35.44233

Lea County, New Mexico
Latitude 32°25'32", Longitude 103°07'36" NAD27
Land-surface elevation 3,359 feet above NAVD88
The depth of the well is 85 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
1951-07-23		D	60.25			2	P	U		U	A
1976-01-23		D	59.09			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
Status	P	Site was being pumped.
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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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-05-06 10:36:51 EDT
0.28 0.26 nadww01

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 =
- 322541103073801

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

USGS 322541103073801 21S.37E.35.423424

Lea County, New Mexico
Latitude 32°25'41", Longitude 103°07'38" NAD27
Land-surface elevation 3,361 feet above NAVD88
The depth of the well is 195 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
1951-06-12		D	63.91			2	P	U		U	A
1976-01-23		D	59.77			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
Status	P	Site was being pumped.
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 levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322550103074601

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

USGS 322550103074601 21S.37E.35.41224

Lea County, New Mexico
Latitude 32°25'50", Longitude 103°07'46" NAD27
Land-surface elevation 3,364 feet above NAVD88
The depth of the well is 70 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
1965-11-02		D	68.90			2		U		U	A
1968-03-11		D	64.50			2		U		U	A
1970-12-17		D	65.63			2		U		U	A
1976-01-23		D	57.05			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.

National Water Information System: Web Interface

USGS Water Resources

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

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322551103075001

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

USGS 322551103075001 21S.37E.35.412223

Lea County, New Mexico
Latitude 32°25'51", Longitude 103°07'50" NAD27
Land-surface elevation 3,366 feet above NAVD88
The depth of the well is 300 feet below land surface.
This well is completed in the Chinle Formation (231CHNL) 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
1965-11-02		D	67.99			2		U		U	A
1970-12-17		D	65.42			2		U		U	A
1976-01-22		D	55.40			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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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-05-06 10:38:36 EDT
0.33 0.24 nadww02

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322551103081401

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

USGS 322551103081401 21S.37E.35.321114

Lea County, New Mexico
Latitude 32°25'51", Longitude 103°08'14" NAD27
Land-surface elevation 3,375 feet above NAVD88
The depth of the well is 290 feet below land surface.
This well is completed in the Chinle Formation (231CHNL) 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
1965-11-02		D	59.84			2		U		U	A
1976-01-22		D	38.58			2		U		U	A
1981-03-03		D	40.34			2		U		U	A
1986-03-07		D	44.73			2		U		U	A
1991-04-25		D	54.51			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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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322601103074201

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

USGS 322601103074201 21S.37E.35.412244

Lea County, New Mexico
Latitude 32°26'01", Longitude 103°07'42" NAD27
Land-surface elevation 3,367 feet above NAVD88
The depth of the well is 80 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
1950-06-12		D	54.85			2		U		U	A
1950-09-06		D	56.19			2		U		U	A
1951-01-15		D	56.31			2		U		U	A
1951-07-23		D	63.88			2	P	U		U	A
1951-08-01		D	63.99			2	P	U		U	A
1951-11-14		D	58.00			2		U		U	A
1953-06-28		D	63.20			2	P	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
Status	P	Site was being pumped.
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.

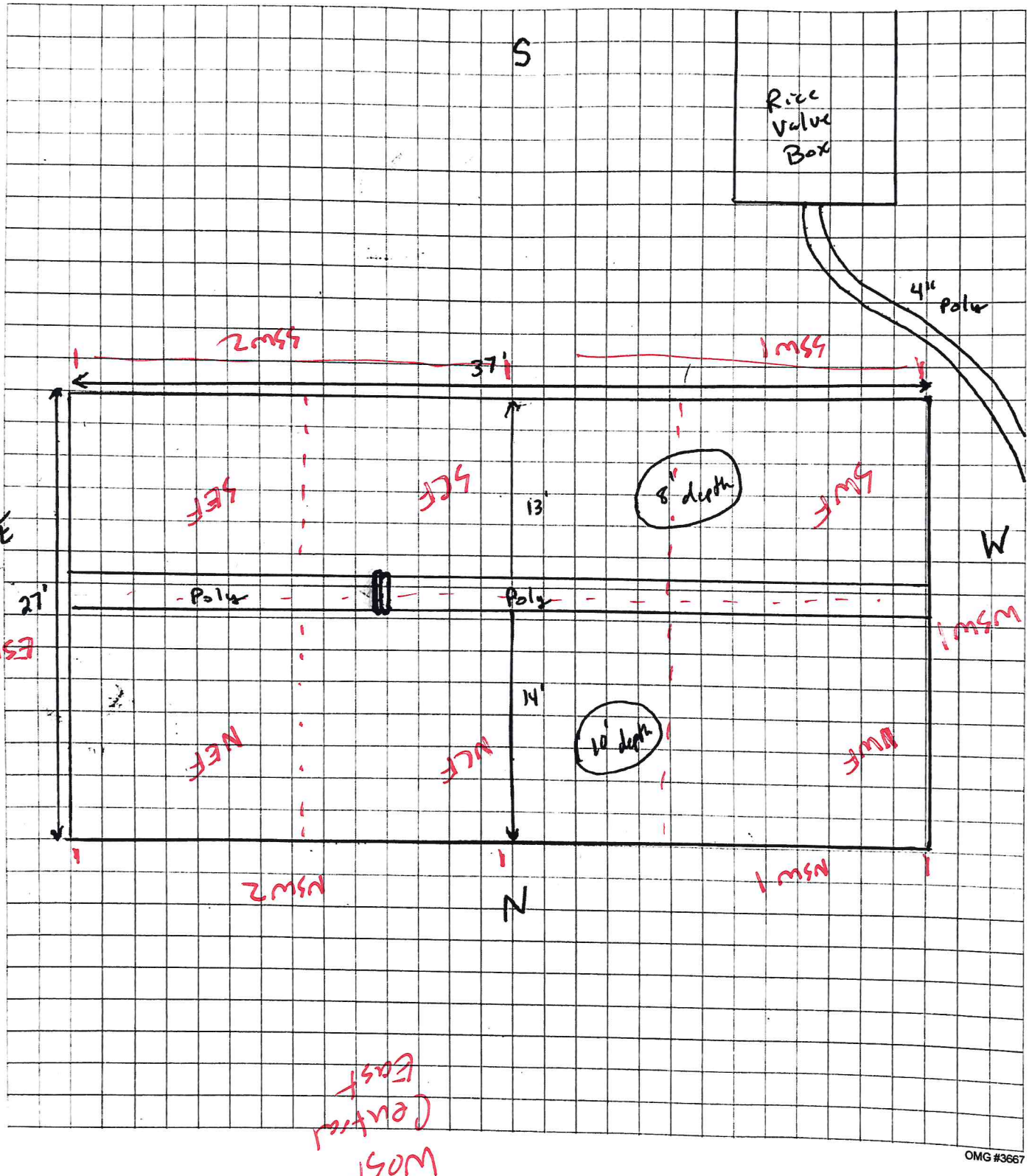
Appendix B
Field Data and Soil Profile Logs

PS INC.

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

Midland, TX
432-245-1164

Date: 5/7/2020
Client: ETC
Location: Fullerton 16"
GPS: 32.428298 -103.134562
Prepared By: tylw



Appendix C
Laboratory Analytical Reports

CARDINAL Laboratories

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

May 11, 2020

DEAN ERICSON

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: FULLERTON 16"

Enclosed are the results of analyses for samples received by the laboratory on 05/08/20 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 accreditated 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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: NWF (H001287-01)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	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	<16.0	16.0	05/08/2020	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	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *97.4 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *102 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: SWF (H001287-02)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	05/08/2020	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	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *97.5 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *100 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: NCF (H001287-03)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	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	<16.0	16.0	05/08/2020	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	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *99.0 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *103 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: SCF (H001287-04)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	05/08/2020	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	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *104 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *108 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: NEF (H001287-05)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	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	**240**	16.0	05/08/2020	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	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *102 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *107 %* *42.2-156*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: SEF (H001287-06)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	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	**224**	16.0	05/08/2020	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	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *107 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *109 %* *42.2-156*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: SSW 1 (H001287-07)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	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	**224**	16.0	05/08/2020	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *97.7 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *100 %* *42.2-156*

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CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: SSW 2 (H001287-08)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	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	**16.0**	16.0	05/08/2020	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *103 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *104 %* *42.2-156*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: ESW 1 (H001287-09)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**272**	16.0	05/08/2020	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *101 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *102 %* *42.2-156*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: WSW 1 (H001287-10)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	05/08/2020	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *100 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *104 %* *42.2-156*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: NSW 1 (H001287-11)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	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	**240**	16.0	05/08/2020	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *99.4 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *99.6 %* *42.2-156*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	05/08/2020	Sampling Date:	05/08/2020
Reported:	05/11/2020	Sampling Type:	Soil
Project Name:	FULLERTON 16"	Sampling Condition:	Cool & Intact
Project Number:	32.428298-103.134562	Sample Received By:	Tamara Oldaker
Project Location:	NEW MEXICO		

Sample ID: NSW 2 (H001287-12)

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	05/08/2020	ND	1.93	96.5	2.00	3.33	
Toluene*	<0.050	0.050	05/08/2020	ND	1.97	98.5	2.00	3.71	
Ethylbenzene*	<0.050	0.050	05/08/2020	ND	2.03	101	2.00	4.10	
Total Xylenes*	<0.150	0.150	05/08/2020	ND	5.93	98.8	6.00	4.01	
Total BTEX	<0.300	0.300	05/08/2020	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	**224**	16.0	05/08/2020	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2020	ND	198	99.2	200	0.873	
DRO >C10-C28*	<10.0	10.0	05/09/2020	ND	198	99.0	200	0.969	
EXT DRO >C28-C36	<10.0	10.0	05/09/2020	ND					

Surrogate: 1-Chlorooctane *96.3 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *98.0 %* *42.2-156*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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

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

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	ETC	BILL TO	
Project Manager:	Dean Ericson	P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	Fullerton 16"	State: Zip:	
Project Location:	32.428298, -103.134562	Phone #:	
Sampler Name:	Stephen Sprnill	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH
H001287																	
1	NWF												5-8	10am			
2	SWF																
3	NCF																
4	SCF																
5	NEF																
6	SEF																
7	SSW1																
8	SSW2																
9	ESW1																
10	WSW1																

Relinquished By: Stephen Sprnill	Date: 5-8	Received By: Tamara Oldaker	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: ~~1030~~ 1000		All Results are emailed. Please provide Email address:
Relinquished By:	Date: ~~5-8~~	Received By:	REMARKS:
	Time:		n.m

Delivered By: (Circle One)	Observed Temp. °C 4.8	Sample Condition	CHECKED BY:	Turnaround Time: Standard ☐ Rush ☑
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	(Initials) TO.	Thermometer ID #97 Correction Factor +0.4 °C

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

FORM-006 R 3.0

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		BILL TO	
Company Name:	ETC	P.O. #:	
Project Manager:	Dean Ericson	Company:	
Address:		Attn:	
City:	State: Zip:	Address:	
Phone #:	Fax #:	City:	
Project #:	Project Owner:	State: Zip:	
Project Name:	Fullerton 16 4	Phone #:	
Project Location:	32.428298 -103.134562	Fax #:	
Sampler Name:	Stephen Sprawl		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH
H001287																	
11	NSW 1												5-8	10 am	1	1	1
12	NSW 2																

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Stephen Sprawl	Date: 5-8-20	Received By: Tamara Oldaker	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 10:09		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 4.8	Sample Condition	CHECKED BY:	Turnaround Time: Standard ☐ Rush ☑
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	(Initials) TO	Thermometer ID #97 Correction Factor +0.4 °C

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

FORM-006 R 3.0

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

Appendix D
Photographic Log

Photographic Log

Photo Number: #1 **Photo Direction:** East **Photo Description:** View of initial release	

Photo Number: #2 **Photo Direction:** West **Photo Description:** View of initial release and clamp	

Photographic Log

Photo Number: #3 **Photo Direction:** West **Photo Description:** View of excavation	

Photo Number: #4 **Photo Direction:** Southwest **Photo Description:** View of excavation	

Photographic Log

Photo Number: #5 **Photo Direction:** South **Photo Description:** Backfilled	

Photo Number: #6 **Photo Direction:** South **Photo Description:** Backfilled