ew Mexico Page 1 of 74
Incident ID nAPP2222982853

Incident ID	nAPP2222982853
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)					
Did this release impact groundwater or surface water?						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?						
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?						
Are the lateral extents of the release overlying a subsurface mine?						
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 well. ✓ 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 	ls.					

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.

Topographic/Aerial maps

✓ Laboratory data including chain of custody

Received by OCD: 10/20/2022 12:35:16 PM Form C-141 State of New Mexico
Page 4 Oil Conservation Division Page 2 of 74

Incident ID	nAPP2222982853
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: Connor Walker Title: Sr. Engineer

Signature: Date: 10/20/2022

email: cwalker@mewbourne.com Telephone: (806)202-5281

OCD Only

Received by: Jocelyn Harimon Date: 10/20/2022

New Mexico Page 3 of 74

Incident ID	nAPP2222982853
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be in	nctuded in the plan.							
 ✓ Detailed description of proposed remediation technique ✓ Scaled sitemap with GPS coordinates showing delineation points ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ✓ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 								
Deferral Requests Only: Each of the following items must be confin	rmed as part of any request for deferral of remediation.							
Contamination must be in areas immediately under or around prod deconstruction.								
Extents of contamination must be fully delineated.								
Contamination does not cause an imminent risk to human health, the	he environment, or groundwater.							
I hereby certify that the information given above is true and complete trules and regulations all operators are required to report and/or file cert which may endanger public health or the environment. The acceptance liability should their operations have failed to adequately investigate as surface water, human health or the environment. In addition, OCD accresponsibility for compliance with any other federal, state, or local law	tain release notifications and perform corrective actions for releases e of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, ceptance of a C-141 report does not relieve the operator of							
Printed Name: Connor Walker	Title: Sr. Engineer							
Signature: Avalh	Date:10/20/2022							
email: cwalker@mewbourne.com	Telephone: (806)202-5281							
OCD Only								
Received by: Jocelyn Harimon I	Date:10/20/2022							
Approved X Approved with Attached Conditions of Ap	proval Denied Deferral Approved							
Signature: Da	ate: 01/19/2023							

The Remediation Plan is Conditionally Approved. This release is in a high karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1 of the spill rule. If rock refusal is encountered, use hydrovac to clean contaminated soil off rock. Use rotary drill to drill 18"-24" hole into the rock, pull sample and do lab analysis. If clean, layer clean rock with microbial strains to digest organics and hydrocarbons. Back-fill with clean material. Please make sure the edges/sidewalls are delineated to 600 mg/kg for chlorides and 100 mg/kg TPH.

Site Assessment Report & Proposed Remediation Plan

Mewbourne Oil Company Silver Bullet Frac Booster

Eddy County, New Mexico
Unit Letter "D", Section 15, Township 26 South, Range 29 East
Latitude 32.049479 North, Longitude 103.978286 West
NMOCD Reference No. nAPP2222982853

Prepared By:

Etech Environmental & Safety Solutions, Inc.

6309 Indiana Ave, Ste. D Lubbock, Texas 79413

Den J. Arguijo

Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

	Section
PROJECT INFORMATION	1.0
SITE CHARACTERIZATION	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE	3.0
INITIAL SITE ASSESSMENT	4.0
PROPOSED REMEDIATION PLAN	5.0
SAMPLING PLAN	6.0
TIMELINE & ESTIMATED VOLUME OF SOIL TO BE REMEDIATED	7 . 0
RESTORATION, RECLAMATION & RE-VEGETATION PLAN	8.0
LIMITATIONS	9.0
DISTRIBUTION	10.0

FIGURES

Figure 1 - Topographic Map

Figure 2 - Aerial Proximity Map

Figure 3 - Site & Sample Location Map

TABLES

Table 1 - Concentrations of BTEX, TPH & Chloride in Soil

APPENDICES

Appendix A - Depth to Groundwater Information

Appendix B - Field Data & Soil Profile Logs

Appendix C - Laboratory Analytical Reports

Appendix D - Photographic Log

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Site Assessment Report & Proposed Remediation Plan* for the release site known as the Silver Bullet Frac Booster (henceforth, "Silver Bullet"). Details of the release are summarized below:

Location of Release Source								
Latitude: 32.049479 Longitude: -103.978286								
Provided GPS are in WGS84 format.								
Site Name: Silver Bullet Frac Booster Site Type: Pipeline								
Date Release Disc	overed	l:	8/2/2022	API # (if appl	cable):	N/A		
Unit Letter	Sec	tion	Township	Range	Cour	nty		
"D"	1	5	26S	29E	Edd	dy		
Surface Owner:	Sta	te X	Federal Tribal Nature ar	Private (Na				
Crude Oil		Volum	e Released (bbls)		Volume	ne Recovered (bbls)		
X Produced W	ater	Volum	e Released (bbls)	177	Volume	Volume Recovered (bbls) 0		
Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?								
Condensate		Volum	e Released (bbls)		Volume	ne Recovered (bbls)		
Natural Gas		Volum	e Released (Mcf)		Volume	ne Recovered (Mcf)		
Other (descr	ribe)	Volum	e/Weight Released		Volume	e/Weight Recovered		
Cause of Release: A high-pressure discharge hose failed.								
Initial Response								
X The source of the release has been stopped.								
X The impacted	d area l	nas beer	secured to protect hu	man health and the	environment	t.		
X Release mate	erials h	ave been	n contained via the use	of berms or dikes,	absorbent pa	ad, or other containment devices	š	
X All free liqui	ds and	recover	able materials have be	en removed and ma	inaged appro	opriately.		

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 Silver Bullet 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?	1	20'
Did the release impact groundwater or surface water?	Yes	X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes	X 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	X No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	Yes	X 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	X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes	X No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes	X No
Are the lateral extents of the release within 300 feet of a wetland?	Yes	X No
Are the lateral extents of the release overlying a subsurface mine?	Yes	X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	X Yes	No
Are the lateral extents of the release within a 100-year floodplain?	Yes	X No
Did the release impact areas not on an exploration, development, production or storage site?	X Yes	No

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

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

^{*} Measured in milligrams per kilogram (mg/kg)

 $[\]dagger$ Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

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

4.0 INITIAL SITE ASSESSMENT

On October 12, 2022, Etech conducted an initial site assessment. During the initial site assessment, five (5) hand-augered soil bores (SP1 through SP5) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, four (4) hand-augered soil bores (NH1, EH1, SH1, and WH1) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit. The soil bores were advanced in one (1) foot increments until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Based on field observations and field test data, a total of 18 delineation soil samples (NH1 @ Surface, NH1 @ 1', EH1 @ Surface, EH1 @ 1', SH1 @ Surface, SH1 @ 1', WH1 @ Surface, WH1 @ 1', SP1 @ Surface, SP1 @ 3', SP2 @ Surface, SP2 @ 3', SP3 @ Surface, SP3 @ 2', SP4 @ Surface, SP4 @ 1', SP5 @ Surface, and SP5 @ 3') were submitted to a certified, commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the horizontal and vertical extent of impacted soil was adequately defined. Depths of soil impacts ranged from one (1) foot below ground surface (bgs) in the area characterized by sample point SP4 to three (3) feet bgs in the areas characterized by sample points SP1, SP2, and SP5.

The extent of the affected area and the locations of the hand-augered soil bores are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and a soil profile log are provided in Appendix B. Laboratory analytical reports are provided in Appendix C. General photographs of the release site are provided in Appendix D.

5.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, Mewbourne Oil Company proposes the following remediation activities designed to advance the Silver Bullet release site toward regulatory closure:

- Utilizing mechanical equipment, excavate impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards as follows:
 - Approximately one (1) foot bgs in the area characterized by sample point SP4.
 - Approximately two (2) feet bgs in the area characterized by sample point SP3.
 - Approximately three (3) feet bgs in the areas characterized by sample points SP1, SP2, and SP5.
- Advance the sidewalls of the excavated area until laboratory analytical results indicate BTEX, TPH, and chloride concentrations are below the NMOCD Closure Criteria and NMOCD Reclamation Standards.
- Transport excavated soil to an NMOCD-permitted surface waste facility for disposal.
- Upon receiving laboratory analytical results from confirmation soil samples, backfill the excavated area with locally sourced, non-impacted, "like" material.
- Upon completion of remediation activities, prepare a *Remediation Summary & Soil Closure Request* detailing field activities and laboratory analytical results from confirmation soil samples.

6.0 SAMPLING PLAN

Upon completion of excavation activities, representative five-point composite confirmation soil samples will be collected from the excavation sidewalls in each cardinal direction, representing no more than 50 linear feet. A minimum of one (1) representative five-point composite confirmation soil sample will be collected from the base of the excavated area representing every 200 square feet. Additional, discrete grab samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary.

7.0 TIMELINE & ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed within 90 days of receiving necessary approval(s) of the *Site Assessment Summary and Proposed Remediation Plan*. Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, it is estimated that approximately 1,500 cubic yards of impacted soil is in need of removal.

8.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area will be compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of the site.

9.0 LIMITATIONS

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

This report has been prepared for the benefit of Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

10.0 DISTRIBUTION

Mewbourne Oil Company 4801 Business Park Blvd. Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

United States Department of the Interior Bureau of Land Management 620 E. Greene Street Carlsbad, NM 88220

(Electronic Submission)

Figure 1 Topographic Map

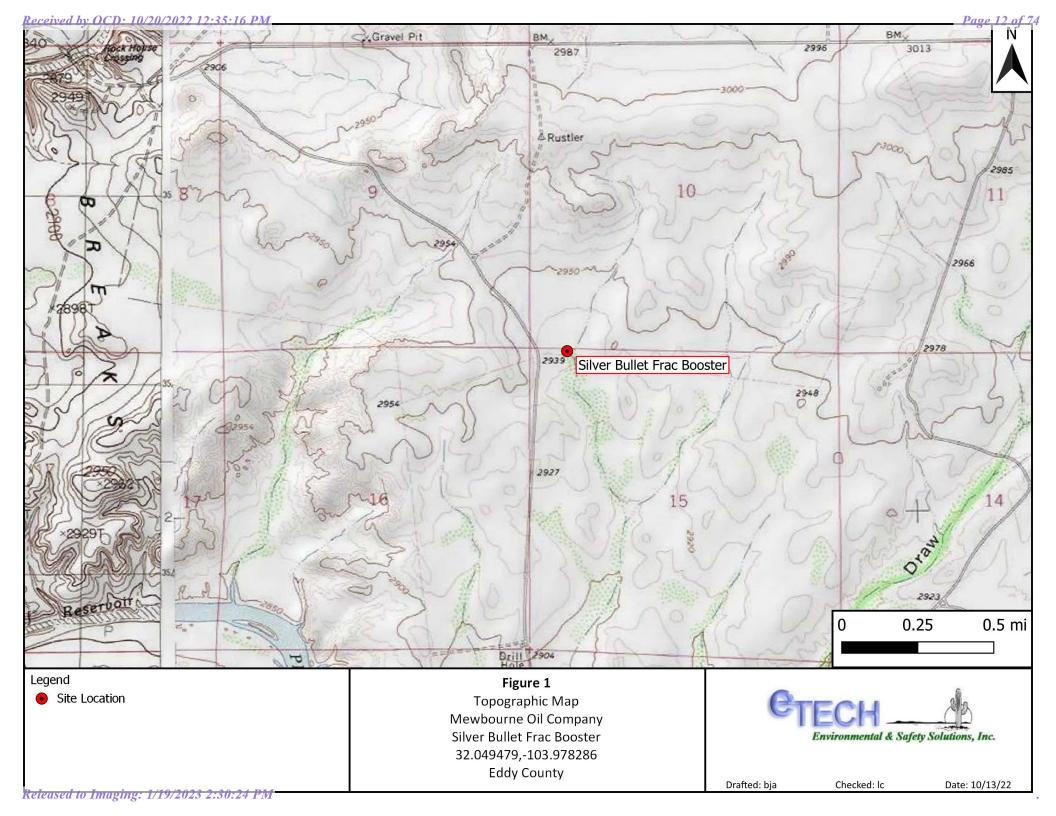


Figure 2 Site Characterization Map

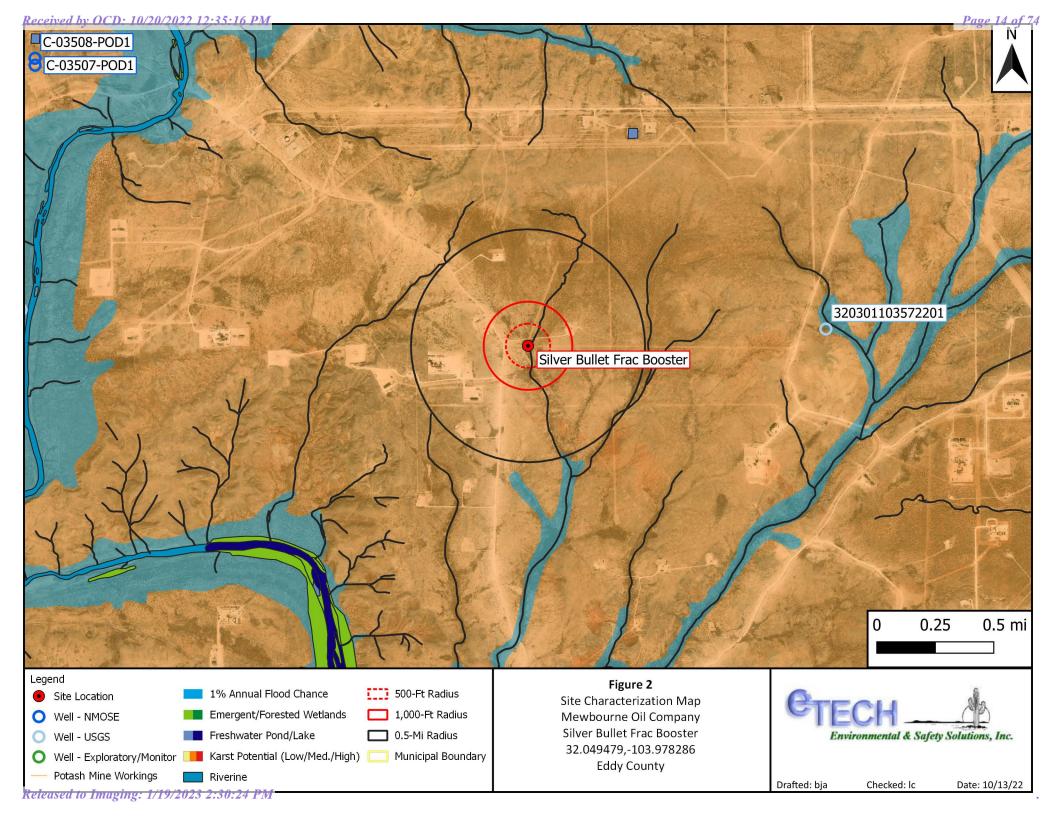


Figure 3 Site & Sample Location Map

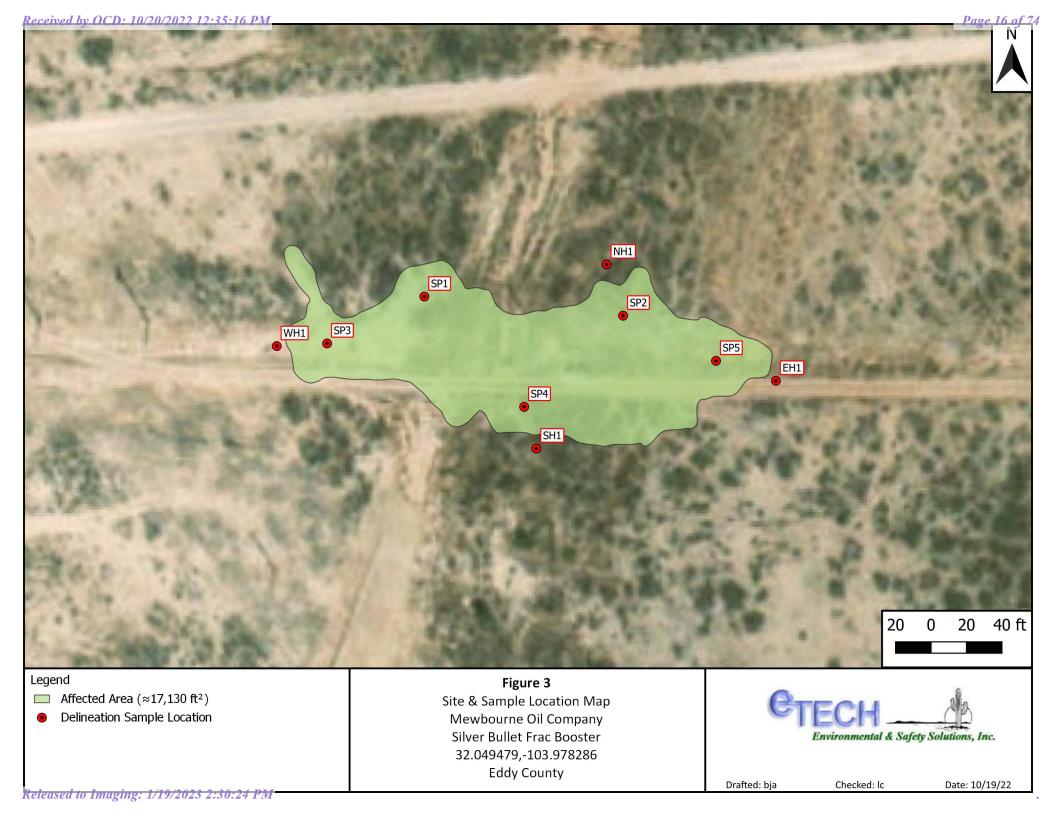
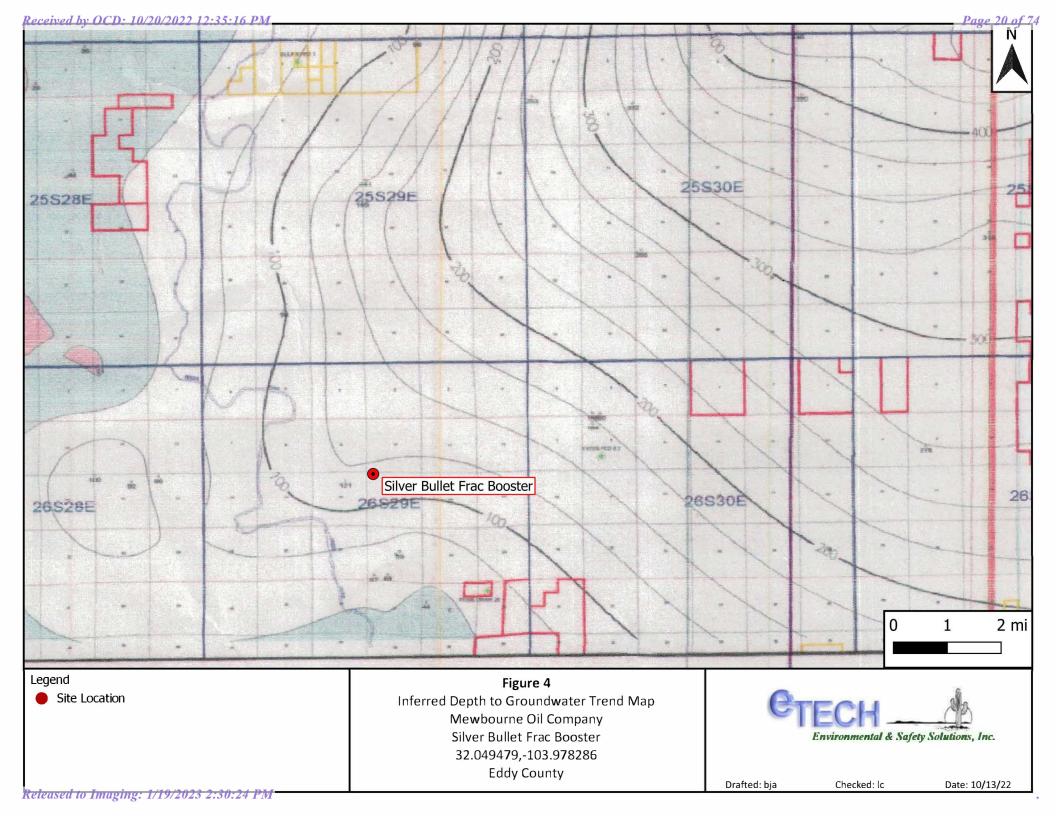


Table 1 Concentrations of BTEX, TPH & Chloride in Soil

	Table 1										
	Concentrations of BTEX, TPH & Chloride in Soil										
	Mewbourne Oil Company										
	Silver Bullet Frac Booster										
				NMOCD	Ref. #: nA	PP222298	32853				
NMOC	D Closure Crit	teria		10	50	N/A	N/A	N/A	N/A	100	600
NMOCD I	Reclamation St	andard		10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	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)
NH1 @ Surface	10/12/2022	0	In-Situ	< 0.050	< 0.300	<10.0	82.8	82.8	<10.0	82.8	32.0
NH1 @ 1'	10/12/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	32.0
EH1 @ Surface	10/12/2022	0	In-Situ	< 0.050	< 0.300	<10.0	10.6	10.6	<10.0	10.6	48.0
EH1 @ 1'	10/12/2022	1	In-Situ	< 0.050	< 0.300	11.9	28.5	40.4	<10.0	40.4	80.0
SH1 @ Surface	10/12/2022	0	In-Situ	< 0.050	< 0.300	<10.0	16.8	16.8	<10.0	16.8	32.0
SH1 @ 1'	10/12/2022	1	In-Situ	< 0.050	< 0.300	<10.0	36.4	36.4	<10.0	36.4	32.0
WH1 @ Surface	10/12/2022	0	In-Situ	< 0.050	< 0.300	<10.0	10.8	10.8	<10.0	10.8	<16.0
WH1 @ 1'	10/12/2022	1	In-Situ	< 0.050	< 0.300	<10.0	12.4	12.4	<10.0	12.4	32.0
SP1 @ Surface	10/12/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
SP1 @ 3'	10/12/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP2 @ Surface	10/12/2022	0	In-Situ	< 0.050	< 0.300	<10.0	145	145	<10.0	145	14,300
SP2 @ 3'	10/12/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	352
SP3 @ Surface	10/12/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	944
SP3 @ 2'	10/12/2022	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP4 @ Surface	10/12/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
SP4 @ 1'	10/12/2022	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SP5 @ Surface	10/12/2022	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	19,000
SP5 @ 3'	10/12/2022	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	320

Appendix A Depth to Groundwater Information



Water



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)

(NAD83 UTM in meters) (quarters are smallest to largest)

(In feet)

POD Sub-

QQQDistanceDepthWellDepthWater Column basin County 64 16 4 Sec Tws Rng \mathbf{X} Y Code **CUB** ED 3 4 3 22 26S 29E 596792 3543275 3126 CUB 598323 3543837 3157 170

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 2

POD Number

C 04630 POD1

C 01354 X-3

<u>UTMNAD83 Radius Search (in meters):</u>

Easting (X): 596454.97 **Northing (Y):** 3546383.46 Radius: 3220

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.

10/14/22 7:58 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

C 01354 X-3 2 1 3 23 26S 29E

598323 3543837

3631

Driller License: 500

Driller Company: HOL

HOLDER, TOM A.

Driller Name: HOLDER, TOM A.

Drill Start Date: Plug Date:
Log File Date: PCW Rcv Date: Source:

Pump Type:Pipe Discharge Size:Estimated Yield:Casing Size:16.00Depth Well:170 feetDepth 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.

10/14/22 7:58 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

X

NA C 04630 POD1

Q64 Q16 Q4 Sec Tws Rng 3 4 3 22 26S 29E

596792 3543275

75 🌍

Driller License: 1249

Driller Company:

ATKINS ENGINEERING ASSOC. INC.

Driller Name:

ATKINS, JACKIE D.UELENER

Drill Finish Date: 06/15/2022 P

Plug Date:

Drill Start Date: Log File Date: 06/15/2022 07/15/2022

PCW Rcv Date:

00/13/2022

Source:

. .

1011111111111

Source.

Pump Type:

Pipe Discharge Size:

Estimated Yield: 0 GPM

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.

10/14/22 7:58 AM

POINT OF DIVERSION SUMMARY



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:							
State Engineer Well Number: C-4630							
Well owner: Devon Energy Phone No.: 575-748-1838							
Mailing address: 6488 7 Rivers Hwy							
City: Artesia	State:	New Mexico	Zip code: 88210				
,			•				
II. WELL PLUGGING INFORMATION:							
Name of well drilling company that plugg	ged well: J	lackie D. Atkins (Atkins Engineering	g Associates Inc.)				
2) New Mexico Well Driller License No.: 1		Expir					
3) Well plugging activities were supervised Shane Eldridge, Cameron Pruitt	by the follo	owing well driller(s)/rig supervisor(s):				
4) Date well plugging began: 7/13/2022		_ Date well plugging concluded:	7/13/2022				
5) GPS Well Location: Latitude: Longitude:	32 103		sec sec, WGS 84				
6) Depth of well confirmed at initiation of pl by the following manner: water level prob		ft below ground level	(bgl),				
7) Static water level measured at initiation of	f plugging:	n/a ft bgl					
8) Date well plugging plan of operations was	s approved	by the State Engineer:5/23/2022	<u>!</u>				
9) Were all plugging activities consistent wird differences between the approved plugging	th an appro	ved plugging plan? Yes the well as it was plugged (attach a	If not, please describe dditional pages as needed):				

Version: September 8, 2009 Page 1 of 2

DOE DIT JUL 15 2022 MM11:34

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
-	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
_	10'-55' Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	
-		,			
=					
-					
_					
- - -					
_		MULTIPLY E cubic feet x 7.4	BY AND OBTAIN B05 = gallons		

cubic yards x 7.4005 = gallons III. SIGNATURE:

I, <u>Jackie D. Atkins</u>, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

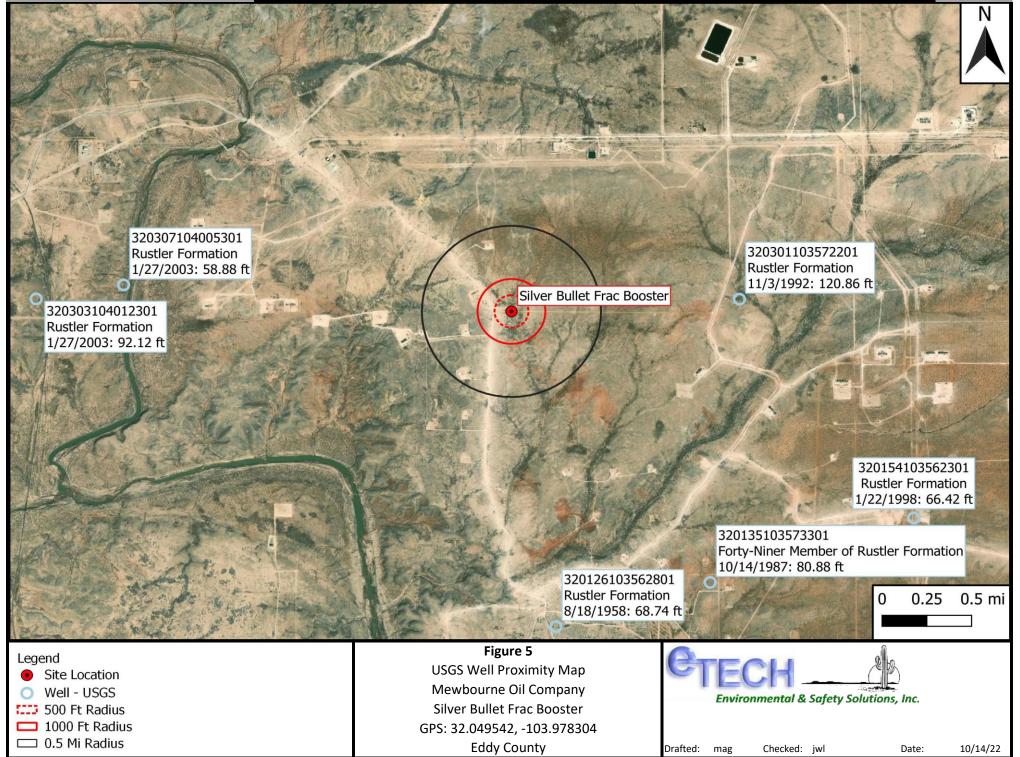
Jack Atkins 7/15/2022

Signature of Well Driller

Date

Version: September 8, 2009 Page 2 of 2

OSE DIT JUL 15 2022 MI1 134



An official website of the United States government Here's how you know

MENU

26S.29E.22.340



IMPORTANT <u>Inventory Page</u>

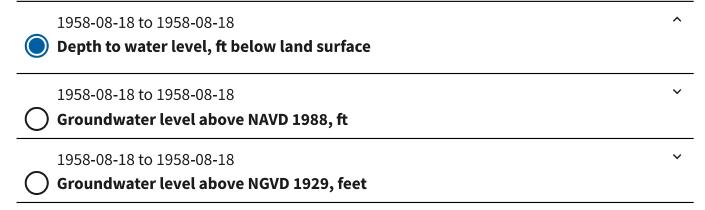
Monitoring location 320126103562801 is associated with a WELL in EDDY COUNTY, NEW MEXICO. Water data back to 1958 are available online.

1 year () 10 years Period of record **Change time span Retrieve data** Depth to water level, ft below land surface • 68.74 ft - Aug 18, 1958 12:00:00 AM GMT-7 68.74 Apr 1963 Jun 1972 Aug 1981 Oct 1990 Dec 1999 Feb 2009 Apr 2018 drag handlers to change timeframe Apr 1963 Jun 1972 Aug 1981 Oct 1990 Dec 1999 Feb 2009 Apr 2018 Field visit: Approved

Questions or Comments

Compar	e to last year
Display	median
IMPORTANT	Data may be provisional - <u>learn more</u>

Select data to graph

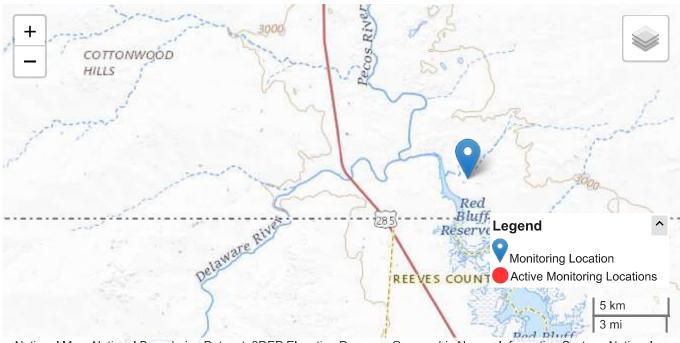


Hydrograph data table(s)

Groundwater Data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



Interested in understanding how to access the upstream/downstream data? <u>Learn about the Network-Linked Data Index (NLDI)</u>

Summary of All Available Data

Location Metadata

DOI Privacy Policy | Legal | Accessibility | Site Map | Contact USGS Follow

U.S. Department of the Interior | DOI Inspector General | White House | E-gov | No Fear Act | FOIA

An official website of the United States government Here's how you know

MENU

26S.29E.23.31220



IMPORTANT Inventory Page

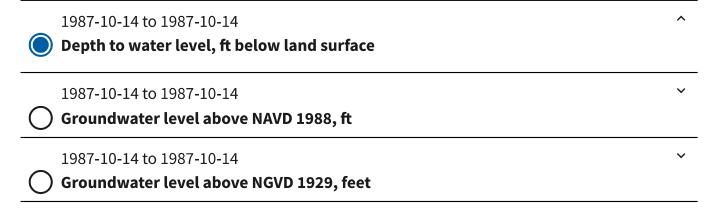
Monitoring location 320135103573301 is associated with a WELL in EDDY COUNTY, NEW MEXICO. Water data back to 1987 are available online.

May 2020

Questions or Comments

	Compar	e to last year
	Display	median
IMP	ORTANT	Data may be provisional - <u>learn more</u>

Select data to graph



Hydrograph data table(s)

Groundwater Data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



ne National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National ...

Interested in understanding how to access the upstream/downstream data? <u>Learn about the Network-Linked Data Index (NLDI)</u>

Summary of All Available Data

Location Metadata

DOI Privacy Policy | Legal | Accessibility | Site Map | Contact USGS Follow

U.S. Department of the Interior | DOI Inspector General | White House | E-gov | No Fear Act | FOIA

An official website of the United States government Here's how you know

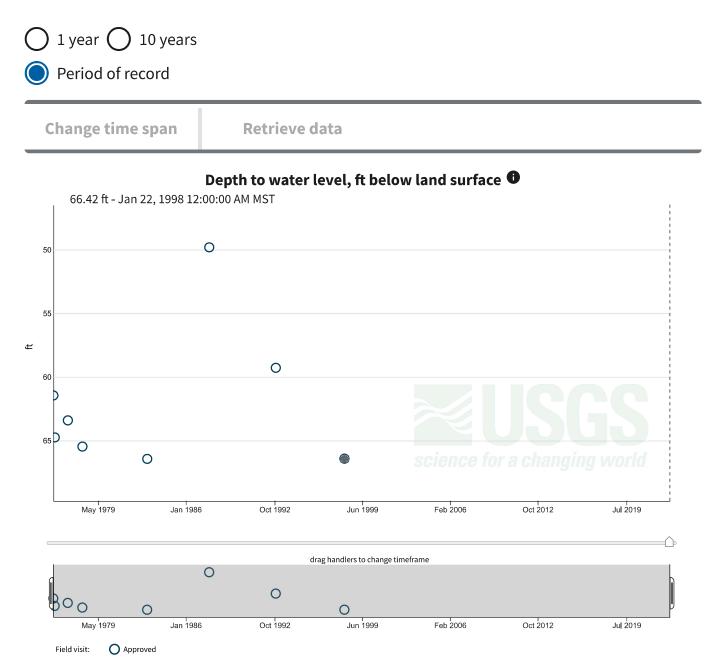
MENU

26S.29E.22.23341



IMPORTANT <u>Inventory Page</u>

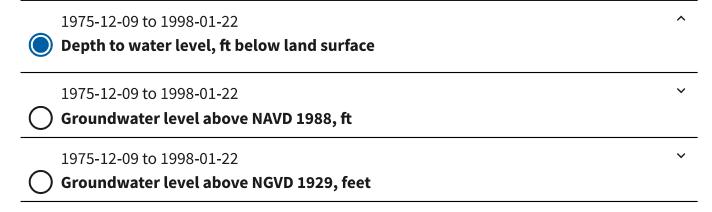
Monitoring location 320154103562301 is associated with a WELL in EDDY COUNTY, NEW MEXICO. Water data back to 1975 are available online.



Questions or Comments

Compar	e to last year
Display	median
IMPORTANT	Data may be provisional - <u>learn more</u>

Select data to graph

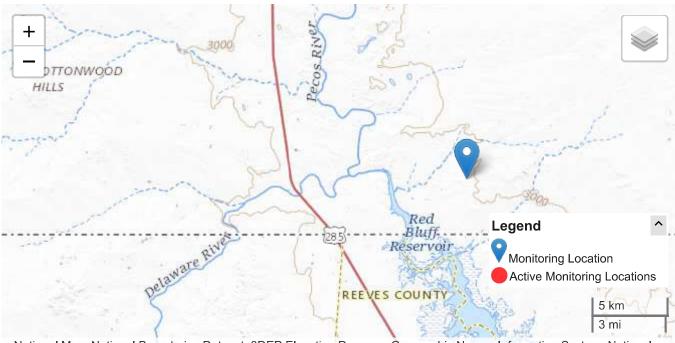


Hydrograph data table(s)

Groundwater Data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



Interested in understanding how to access the upstream/downstream data? <u>Learn about the Network-Linked Data Index (NLDI)</u>

Summary of All Available Data

Location Metadata

DOI Privacy Policy	Legal	Accessibility	Site Map	Contact USGS
Follow				

U.S. Department of the Interior | DOI Inspector General | White House | E-gov | No Fear Act | FOIA

An official website of the United States government Here's how you know

MENU

26S.29E.16.213241



IMPORTANT <u>Inventory Page</u>

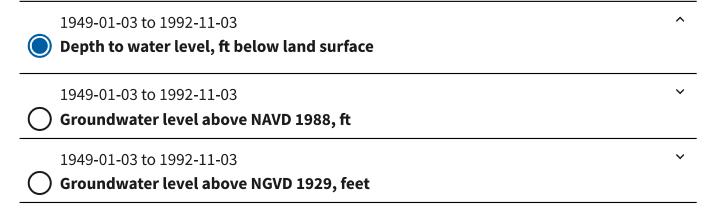
Monitoring location 320301103572201 is associated with a WELL in EDDY COUNTY, NEW MEXICO. Water data back to 1949 are available online.

Ch	ange time spa	1	Retrieve da	nta			
	120.86 ft - Nov 03			vel, ft belov	w land surface	.	
121							
				0			
122							
123							
			0				
124							
125)		0				
	т Мау 1954	Nov 1964	T Jun 1975	Dec 1985	T Jul 1996	T Jan 2007	Aug 2017
			dra	g handlers to change tir			
			0	0	0		
Φ	May 1954	Nov 1964	Jun 1975	Dec 1985	Jul 1996	Jan 2007	Aug 2017

Questions or Comments

Compar	re to last year
Display	median
IMPORTANT	Data may be provisional - <u>learn more</u>

Select data to graph

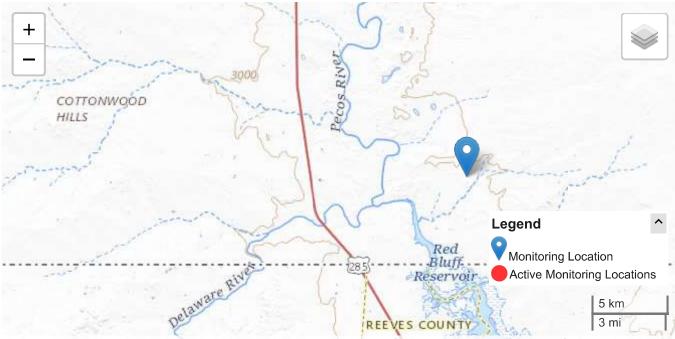


Hydrograph data table(s)

Groundwater Data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



ne National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National ...

Interested in understanding how to access the upstream/downstream data? <u>Learn about the Network-Linked Data Index (NLDI)</u>

Summary of All Available Data

Location Metadata

DOI Privacy Policy	Legal	Accessibility	Site Map	Contact USGS
Follow				

U.S. Department of the Interior | DOI Inspector General | White House | E-gov | No Fear Act | FOIA

An official website of the United States government Here's how you know

MENU

26S.28E.14.21412



IMPORTANT <u>Inventory Page</u>

🔵 1 year 🔘 10 years

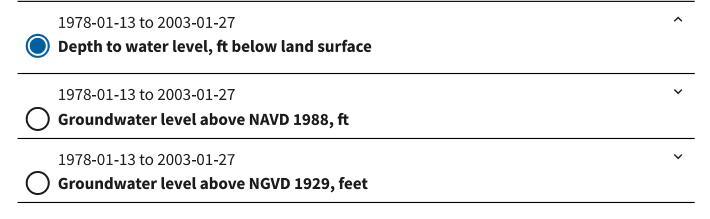
Monitoring location 320303104012301 is associated with a WELL in EDDY COUNTY, NEW MEXICO. Water data back to 1978 are available online.

Cha	ange time s _l	oan	Retrieve	data				
	98.72 ft - Oct 1	Dep .4, 1987 12:00:0		level, ft be	low land	surface (Ð	
90			0	0				
			O		0			
100								
110		1						
	0							
þ								
120			1			1		
	Apr 1981	Sep 1987	Feb 1994	Jun 2000	Nov	2006	Apr 2013	Sep 2019
				drag handlers to char	ge timeframe			
		0	0	0	0			
	0							

Questions or Comments

Comp	pare to last year
Displ	ay median
IMPORTAN	NT Data may be provisional - <u>learn more</u>

Select data to graph



Hydrograph data table(s)

Groundwater Data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



ne National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National ...

Interested in understanding how to access the upstream/downstream data? <u>Learn about the Network-Linked Data Index (NLDI)</u>

Summary of All Available Data

Location Metadata

DOI Privacy Policy	Legal	Accessibility	Site Map	Contact USGS
Follow				

U.S. Department of the Interior | DOI Inspector General | White House | E-gov | No Fear Act | FOIA

An official website of the United States government Here's how you know

MENU

26S.28E.13.11214



IMPORTANT <u>Inventory Page</u>

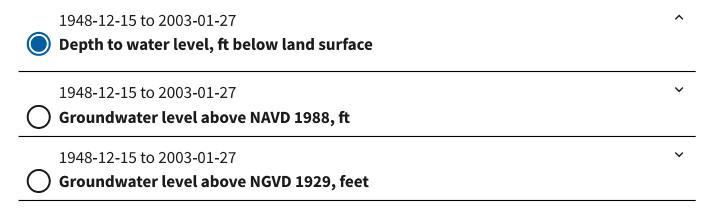
Monitoring location 320307104005301 is associated with a WELL in EDDY COUNTY, NEW MEXICO. Water data back to 1948 are available online.

Char	nge time span		Retrieve d	ata			
58 52	3.88 ft - Jan 27, 200		th to water le	evel, ft belo	w land surf	ace 🛈	
				0	0		
54			0	0			
56			0				
58			0	0		•	
60			0		Science		
	Apr 1954 No	T ov 1964	May 1975	Dec 1985	Jul 1996	1 Jan 2007	Aug 2017
			dra	g handlers to change tir			
			00	0	0	0	
	Apr 1954 No	ov 1964	May 1975	Dec 1985	Jul 1996	Jan 2007	Aug 2017

Questions or Comments

Compar	re to last year
Display	median
IMPORTANT	Data may be provisional - <u>learn more</u>

Select data to graph



Hydrograph data table(s)

Groundwater Data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.



ne National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National ...

Interested in understanding how to access the upstream/downstream data? <u>Learn about the Network-Linked Data Index (NLDI)</u>

Summary of All Available Data

Location Metadata

DOI Privacy Policy | Legal | Accessibility | Site Map | Contact USGS Follow

U.S. Department of the Interior | DOI Inspector General | White House | E-gov | No Fear Act | FOIA

Appendix B Field Data & Soil Profile Logs



Sample Log

Date:	10/12/22	
	10/00	

Project:

Silver Bullet Frac Booster

Project Number: pending Latitude: 32.049542 Longitude: -103.978304

Sample ID	PID/Odor	Chloride Conc.	GPS
NHI @ surface	None	2.0 /80	
NHIP!		1.8 152	
EHI @ Surface		1.6 128	
EH @ 1'		152	
SHI @ surface		1.6 128	
SHI @ I'		1.0 > 128	
WHI @ Surface	1	1.6 128	
WHI PI'	1	1.6 128	
SPI Que Surley	Abue	4.4 696	
SPI @ I'	None	4.0 588 AT	
SPI Q2 2'	None		
SP2 Surface	None	6.8 14.5- 8014	
5PZ@# 1'	None	8.0 2552	
SP3 (Surface	None	5.0 880	
58301'	NOR	5.0 780 *	
SP4 @ Surface	None	4.6 756	
SPY PI'	mont	3.2 416	
SP50 Suchece	avae	8.0- H.S 12952	
595(2)	hove	8.0 2552 -	
SP2 @ 2'		4.2 664 K	
8P2 Q3'		3.0 372	
5P3@2'		2.0 200	
5950 2'		6.0 1328 A	
SPIQ3.		2.8 332	
SP5@3		2.8 332	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Soil Profile

Littadinic	near an onglety assessment, men				Date:	
Project:	Silver Bullet Fr	ac Booster				
Project Nun		pending	Latitude:	32.049542	Longitude:	-103.978304
				-		
Depth (ft. bg:	s)		,	Des	scription	
	1 Culiche	Soft C	Jiche Top soil	Mix		
	2	The Control of Control	aithritinetean tara karawakan ku	Common Fall access sur now was a secure superior and a secure survey and a secure survey and a secure survey as a secure survey	aundo krista an an kika ki an an ang iza a ki a za si ta za si ka za s a a bees si qata <u>addina a za ka an an an</u> An an	Office of the property of the Control of the Contro
a stage of the stage	3	101 111 11 111 111 111 111 111 111 111	1	The state of the s		and a stanged god profession and consequence or depot in signature is professional and the standard of the standard or the sta
	4	#BORD FIGHT DAY TO DO BY TO DEPOSE DAY OF THE	DESCRIPTION OF MAINTAINED STREET, STRE	LLLEG MEET BALL MACHINE CONTROL CONTROL CONTROL CONTROL THE CONTROL THE CONTROL CONTRO	y cang gyawang sancon mondugat, at i sa	AND MICROSOPHIC HAS BE LEVELED FOR CONCRETE AND THE CONCR
	5	*# Sand-Ondower School Sand-Andreas Sand-	ROLD POETET (EM 11507)-960071,3960071,5960075999, HELSEN ENGEN HELSEN HE	pro establicamente su decida el discul della della della propria produziona, mancione e persona montali processo municipi	en moseuk auk auk opia koriteria ini ini ini ini ini ini ini ini ini i	OCICLE MANAGEMENT OF THE CONTROL OF
	6	most reduction of the first	Soons to some year semale requirement of the section of the sectio	THE RESIDENCE OF THE PROPERTY	- Anna Marian Common Victoria de la maria confil del colonida	
	7	170 180 y TECHNOLOGO 170 00 00 00 00 00 00 00 00 00 00 00 00 0			THE PROPERTY OF THE PROPERTY O	
	8	**************************************	_		CANAL (REPORT OF THE PROPERTY	«
	9	AND PROPERTY OF THE PROPERTY O	CONTRACTOR OF THE PROPERTY OF		Desarror mentals hadd safe larens sum marcarective dishermed interior with either	
	10	model became to preside other markets markets by the	THE COLUMN THE PROPERTY OF THE	and a state of the second of t	A THE ROOM THE REAL PROPERTY OF THE PROPERTY O	
	11					
	12			MANUAL MINISTER PROGRAMMENT AND	NAME AND ADDRESS OF THE PARTY O	
1	13	and the revenue and the second	III NOONAA AA	and the state of t	and it can find that the county in section to company of a property of the county of t	
3	14	and the second of E to as Mr may and the field the field of the field	MARIE RELIGIONAL PROPERTIES CONTRACTOR CONTR	HILLIH HERSEN GETEN ET VERSEL VILLEN GETEN G	The state of the s	
1	15					
1	16	***************************************			AND THE RESERVE OF THE PROPERTY OF THE PROPERT	
1	17				The state of the s	
1	18					
1	19		-			-
2	20					
2	21					
_ 2	22		7		7	
	23				1	
2	24					
2	25					
2	26	-				
2	27					
2	28					
2	29					
3	30	***************************************			and the other party and the second of the se	
3	31	ATTACAMON INCOME IN THE CO.			THE RESERVE OF THE PROPERTY OF	
3	32	455-4674-4444-4444-4444-4444-4444-4444-4	OPPORTED THE REPORT OF THE PROPERTY OF THE PRO			
3	33				The same of the sa	72
3	34					
3	35					
3	36	official purpose and a second	AND THE PROPERTY OF THE PROPER	MODERN DEADLE DE CHETTE COMMENTATION OF THE PARTY OF THE	COMMANDED TO COMMAND COMMAND AND AND AND AND AND AND AND AND AND	
3	37	The second secon	THE RESTAURTS OF THE RESTAURT OF THE PROPERTY	ACOUNT OF THE PROPERTY OF THE	annual year manay year year annual an adopted for the between a common and a second and the second	
3	88	ACC. 1			The second secon	
3	39		Comment of Column Landson, Market Column Col			
4	10	AND PARTY SEATHER STATE OF THE SEATHER		000001.000000p0000000000000000000000000	OFFICIAL STREET, AND STREET, A	o o o o o o o o o o o o o o o o o o o
	3				(14)	
						4
						000
						2

Appendix C Laboratory Analytical Reports



October 18, 2022

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

RE: SILVER BULLET FRAC BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/12/22 16:39.

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

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

A ... - I. ... - d D. ... 311 /

10/12/2022

Sampling Date: 10/12/2022

Reported: 10/18/2022

Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER
Project Number: 16913

Received:

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: NH 1 @ SURFACE (H224804-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	82.8	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	96.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	111 9	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact
Project Number: 16913 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: NH 1 @ 1' (H224804-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/14/2022	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	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	106	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact
Project Number: 16913 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: EH 1 @ SURFACE (H224804-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	10.6	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	108	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact
Project Number: 16913 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL EDDY CO., NM

ma/ka

Sample ID: EH 1 @ 1' (H224804-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.9	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	28.5	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	109	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact Sample Received By: Project Number: 16913 Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SH 1 @ SURFACE (H224804-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
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	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	16.8	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	113 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	119 9	6 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact Project Number: 16913 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SH 1 @ 1' (H224804-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	< 0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	69.9-14	0						
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	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	36.4	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	115 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	119 9	6 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Shalyn Rodriguez

Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil
Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition:
Project Number: 16913 Sample Received By:

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: WH 1 @ SURFACE (H224804-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	10.8	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	93.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.4	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact
Project Number: 16913 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: WH 1 @ 1' (H224804-08)

RTFY 8021R

B1EX 8021B	mg,	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	12.4	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	112 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	116	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Shalyn Rodriguez

Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil
Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition:
Project Number: 16913 Sample Received By:

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SP 1 @ SURFACE (H224804-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	119	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124	% 46.3-17	78						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact
Project Number: 16913 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL EDDY CO., NM

mg/kg

Sample ID: SP 1 @ 3' (H224804-10)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	u by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	99.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact Sample Received By: Project Number: 16913 Shalyn Rodriguez

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SP 2 @ SURFACE (H224804-11)

RTFY 8021R

B1EX 8021B	mg,	кд	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	< 0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14300	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	145	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	108	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 9	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 16913

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SP 2 @ 3' (H224804-12)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	207	104	200	0.594	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	224	112	200	0.373	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	106 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	6 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Shalyn Rodriguez

Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil
Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition:
Project Number: 16913 Sample Received By:

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SP 3 @ SURFACE (H224804-13)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.84	92.2	2.00	13.2	
Toluene*	<0.050	0.050	10/15/2022	ND	1.83	91.5	2.00	12.9	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.80	90.2	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.51	91.8	6.00	12.3	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	111 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	133	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 16913 Sample Received By:

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SP 3 @ 2' (H224804-14)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	104 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	125 9	6 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact Sample Received By: Project Number: 16913 Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SP 4 @ SURFACE (H224804-15)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	120 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	145 %	6 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact
Project Number: 16913 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL EDDY CO., NM

ma/ka

Sample ID: SP 4 @ 1' (H224804-16)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	113	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	135	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact Project Number: Sample Received By: 16913 Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SP 5 @ SURFACE (H224804-17)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	< 0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19000	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	77.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.2	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/12/2022 Sampling Date: 10/12/2022

Reported: 10/18/2022 Sampling Type: Soil

Project Name: SILVER BULLET FRAC BOOSTER Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 16913

Project Location: MEWBOURNE - RURAL EDDY CO., NM

Sample ID: SP 5 @ 3' (H224804-18)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2022	ND	1.77	88.5	2.00	17.9	
Toluene*	<0.050	0.050	10/15/2022	ND	1.74	86.8	2.00	17.7	
Ethylbenzene*	<0.050	0.050	10/15/2022	ND	1.72	85.8	2.00	17.9	
Total Xylenes*	<0.150	0.150	10/15/2022	ND	5.27	87.8	6.00	17.9	
Total BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/14/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2022	ND	214	107	200	2.38	
DRO >C10-C28*	<10.0	10.0	10/14/2022	ND	209	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	10/14/2022	ND					
Surrogate: 1-Chlorooctane	102 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	122 9	6 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

QR-04 The RPD for the BS/BSD was outside of historical limits.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

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

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 client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries of successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

12:35:16 PM

Received by OCD: 10/20/2022

Page 21 of 22

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1	1	1	_	_
_	-	_	-	_

Company Name	Elech Environmental & Scale	lv S	ole	hior	15		Т		BI	LLI	TO					A	NAL'	YSIS	RE	QUE	ST	
Project Manage	e: Elech Environmental 3 sale:	/					1	2.0.	k:													
Address: 26/7	W. Marlard						0	Comp	any:	News	four	re	1									
City: Hobbs													1									
Phone #: 579	- 264-9884 Fax #:						1	Addre	ss:				1									
Project #: /6	9/2 Project Owns	r: /4	lew	bour	ne			city:										- 1				- 1
Project Name:	Silver Bullet Fran Mosser							State		Zip:												
Project Location	5. Ver Bullet Fruc Bosser n: Rural Eddy Co, NM						-1	Phon		,			1									
Sampler Name:	Miguel Pamires						- 1	ax#					1				1					
FOR LAB USE ONLY		T			MA	TRIX	_		ESERV		SAMP	LING	1 1	11 7		.						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	ACID/BASE:	OTHER:	foDA	Ϋ́Ε	TIME	Chlorides	BTER	HAL							
	NHI Daviace	G	l		X				X	190/12	12		X	X	X							
300 7-690	NHI Davina NHI @1'	1	1		1					l					1							
3	EHI @ Swace EH \@1'																					
4	EH I@I'	П																				
5	SHI @ surface	11	Ш																			
0	SHIQI'	П	П																			
. /	SHI @ surface SHI @I' WH @ surface	П																				
8	WHIGH																					
9	WHI @1' SPIR surface	II																				
10	SPI @ 3'	1	1		4	1			V	1	1		1	4	V							

PLEASE NOTE: Liability and Demages. Cardinal's liability and client's exclusive remedy for any claim ensing 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 whateover shall be deemed united united united methods in writing and received by Cardinal within 30 days after compilation of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without fireliation, business interruptions, loss of sea, or tons of prefix incurred by client, its subsidiation,

Relinquished By:	mance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above state Date: 10-12-22 Time: 139 Total: 10-12-23 Time: 10-12-23 Tim	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Received By:	REMARKS: PM @ etechenu.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C (1 2 Sample Condition Cool Intact (Initials) Corrected Temp. °C 5 5 5 No No	Turnaround Time: Standard Rush Good Intact Observed Temp. °C Thermometer ID #113 Correction Factor -0.6°C Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yet Yes No No Corrected Temp. °C

Page 22 of 22

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

2/2

Company Nam	e: ETech Environmental 3 50	W	501	wti	344)				E	BIL	LL TO					AN	ALYS	SR	EQU	EST	
Project Manage	er: Joch Loury	- 1	3.					P.	0.#	:												
Address: 21	ol? W. Marland							Company: Newbourne														
City: Ho	000bs State: WM Zip: 83240													1				1				
Phone #: 515	5, 264-9884 Fax #: /							Ac	ldre	ss:				1								
Project #: \6	N3 Project Own	er: N	la.	bou	WW			Ci	ty:					1								
Project Name:	Silver Bullet Fruc Boosler on: Ruval Eddy co., was		U		ar f.				ate:			Zip:		1								
Project Location	on: Rival Edgy CA. MAN							PI	none	#:				1								
Sampler Name	: Mignel Purminez							1	x #:					1								
FOR LAB USE ONLY	3,000				N	IATR	IX		_	ESER	₹V.	SAMP	LING	1								
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLIDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chlorides	BTEX	TPH						
11	SP2 @ Sortage	C	1			X				y		10/12/22		X	X	x						
13 14 15 16 17 18	SP2 @ Sovince SP2 @ 3' SP3 @ Sovince SP4 @ Guitace SP4 @ 1' SP5@ cuitace SP5 @ 3'		*			1				4					-							

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 enables. All claims including those for negligence and any other cause whethere exhall be desired united united and sociated by Cardinal willish. 39 days after completion of the applicable service. In no event drief Cardinal he flabte for incidental or consequential damages, including willhoot thristlens, business interruptions, loss of use, or less of profits incurred by client, its exheditation, 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:	Date: 10 12-22 Time: 10 039 Received By:	Verbal Result:
Relinquished By:	Date: Received By:	PMetechenu.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor -0.6°C

Appendix D Photographic Log

Photographic Log

Photo Number:

1

Photo Direction:

West

Photo Description:

View of the affected area.



Photo Number:

2

Photo Direction:

West

Photo Description:

View of the affected area.



Photographic Log

Photo Number:

Photo Direction: Northwest

Photo Description:

View of the affected area.



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

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 152351

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	152351
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	The Remediation Plan is Conditionally Approved. This release is in a high karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1 of the spill rule. If rock refusal is encountered, use hydrovac to clean contaminated soil off rock. Use rotary drill to drill 18"-24" hole into the rock, pull sample and do lab analysis. If clean, layer clean rock with microbial strains to digest organics and hydrocarbons. Back-fill with clean material. Please make sure the edges/sidewalls are delineated to 600 mg/kg for chlorides and 100 mg/kg TPH.	1/19/2023