Spill Volume(Bbls) Calculator					
	Inputs in blue , Outputs in red				
Length(Ft)) Width(Ft) Depth(In)				
<u>120.000</u>	<u>75.000</u>	<u>2.500</u>			
Cubic Feet	Impacted	<u>1875.000</u>			
Barr	els	<u>333.93</u>			
Soil T	уре	Clay			
Bbls Assuming 100%		33.39			
Satura	ntion	<u> </u>			
Saturation	Fluid pr	esent with shovel/backhoe			
Estimated Barr	rels Released	33.40000			

Instructions

- 1.Input spill measurements below. Length and width need to be input in feet and depth in inches.
- 2. Select a soil type from the drop down menu.3. Select a saturation level from the drop down menu.

(For data gathering instructions see appendix tab)

<u>Measurements</u>			
Length (ft)	120		
Width (ft)	75		
Depth (in)	2.500		







	Page 5 of 104
Incident ID	nAPP2310735633
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.			
What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ☑ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes 🗸 No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes 🗸 No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes 🗸 No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ✓ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	✓ Yes 🗌 No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes 🗸 No		
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☑ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			

Characterization Report Checklist: Each of the following items must be included in the report.
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
✓ Field data
☐ Data table of soil contaminant concentration data
✓ Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
✓ Boring or excavation logs
Photographs including date and GIS information
✓ Topographic/Aerial maps
Laboratory data including chain of custody

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

Received by OCD: 12/12/2023 11:03:11 AM Form C-141 State of New Mexico Oil Conservation Division Page 4

Received by:

OCD Only

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Incident ID	nAPP2310735633
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: Katherine Purvis Title: EHS Coordinator Signature: Katherine Purvis Date: 12/12/2023 email: katherine.purvis@spurenergy.com Telephone: (575) 441-8619

Date: _____

Released	to	Imaging:	3,	/20/	′2024	1:4	<i>13:4</i> (9 PA

of New Mexico

Incident ID	nAPP2310735633
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
✓ A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the Corporator Name: Katherine Purvis	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. Title: EHS Coordinator
Signature: <u>Katherine Purvis</u>	Date:
email: katherine.purvis@spurenergy.com	Telephone: (575) 441-8619
OCD Only	
Received by:	
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Remediation Summary & Soil Closure Request

Spur Energy Partners, LLC Holstun SWD #001

Eddy County, New Mexico
Unit Letter "B", Section 4, Township 20 South, Range 25 East
Latitude 32.60786° North, Longitude 104.48766° West
NMOCD Reference No. nAPP2310735633

Prepared By:

Etech Environmental & Safety Solutions, Inc.

6309 Indiana Ave, Ste. D Lubbock, Texas 79413

Ben J. Arguijo

Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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- Appendix B Field Data
- Appendix C Photographic Log
- Appendix D Laboratory Analytical Reports
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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Spur Energy Partners, LLC (Spur Energy), has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Holstun SWD #001. Details of the release are summarized below:

Location of Release Source						
Latitude: 32.60786° Longitude:			-104.48766°			
	Provide	ed GPS are in WGS84 format.				
Site Name:	Holstun SWD #001	Site Type:	Salt Water Disposal (SWD)			
Date Release Discovere	ed: 4/15/2023	API # (if applicab	ble): 30-015-21141			
	tion Township 4 20S	Range 25E	County			
X Crude Oil	Volume Released (bbls)	17	Volume Recovered (bbls) 16			
X Produced Water	Volume Released (bbls)	16	Volume Recovered (bbls) 15			
Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L? Yes X No N/A						
Condensate	Volume Released (bbls)		Volume Recovered (bbls)			
Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)			Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released Volume/Weight Recovered						
Cause of Release: Casing valves were left open causing an oil and produced water mix to release onto the location pad.						
Initial Response						
X The source of the re	elease has been stopped.					
X The impacted area has been secured to protect human health and the environment.						
X Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices						
X All free liquids and recoverable materials have been removed and managed appropriately.						

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in 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 Holstun SWD #001 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?	180'		
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?	Yes	X No	

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish & 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 Holstun SWD #001 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
180'	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)

[†] 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 REMEDIATION ACTIVITIES SUMMARY

On October 13, 2023, remediation activities commenced at the Holstun SWD #001 release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floors of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis.

On October 16, 2023, Etech collected 12 confirmation soil samples (FL #1 @ 4 Ft through FL #4 @ 5 Ft, FL #7 @ 7 Ft through FL #9 @ 5 Ft, NW 1, NW #2, SW 1, WW 1, and WW #2) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory Method Detection Limit (MDL). Chloride concentrations ranged from 160 mg/kg in soil sample WW #2 to 464 mg/kg in soil sample FL #8 @ 5 Ft.

On October 17, 2023, Etech collected eight (8) confirmation soil samples (FL #5 @ 5 Ft, FL #6 @ 5 Ft, FL #10 @ 6 Ft, FL #11 @ 5 Ft, FL #13 @ 4 Ft, FL #14 @ 7 Ft, SW #2, and SW #3) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 96.0 mg/kg in soil sample SW #3 to 720 mg/kg in soil sample FL #11 @ 5 Ft, which exceeded the NMOCD Closure Criterion.

On October 18, 2023, Etech collected 11 confirmation soil samples (FL #12 @ 6 Ft, FL #15 @ 4 Ft through FL #22 @ 6 Ft, NW-3, and EW-1) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the laboratory MDL, with the exception of soil sample NW-3, which exhibited a TPH concentration of 14.8 mg/kg. Chloride concentrations ranged from 112 mg/kg in soil samples FL #20 @ 4 Ft and NW-3 to 544 mg/kg in soil sample FL #22 @ 6 Ft.

On October 24, 2023, based on laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL #11 @ 5 Ft. Etech collected one (1) confirmation soil sample (FL #11 @ 6 Ft) from the floor of the excavated area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. BTEX and TPH concentrations were also less than the applicable laboratory MDL. The chloride concentration was 416 mg/kg.

The final dimensions of the excavated area were approximately 174 feet in length, nine (9) to 65 feet in width, and four (4) to seven (7) feet in depth. During the course of remediation activities, Etech transported approximately 1,884 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 1,856 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

5.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

The release was limited to the production pad of an active SWD facility and did not impact the adjacent pasture. Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was compacted and contoured to fit the needs of the facility. Final reclamation and revegetation will be conducted upon decommissioning and abandonment of the SWD.

6.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Spur Energy provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Holstun SWD #001 release site.

7.0 LIMITATIONS

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

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

8.0 DISTRIBUTION

Spur Energy Partners, LLC 9655 Katy Freeway Suite 500 Houston, TX 77024

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

(Electronic Submission)

Figure 1 Topographic Map

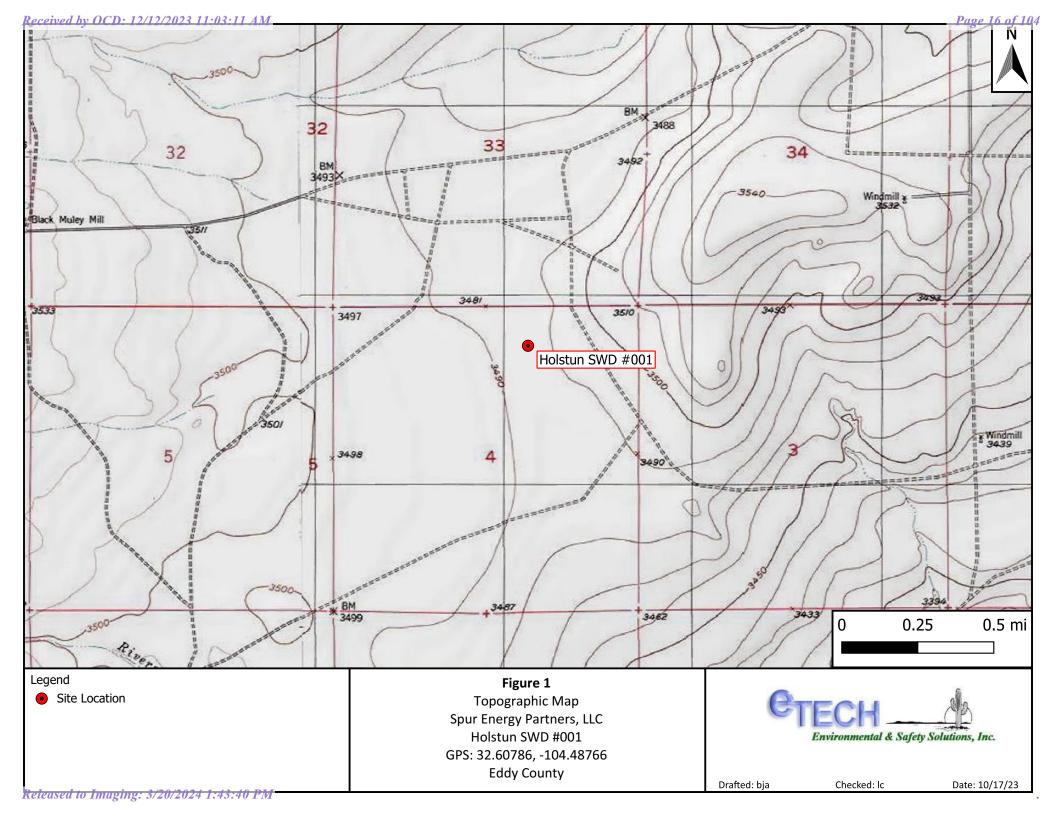


Figure 2 Site Characterization Map

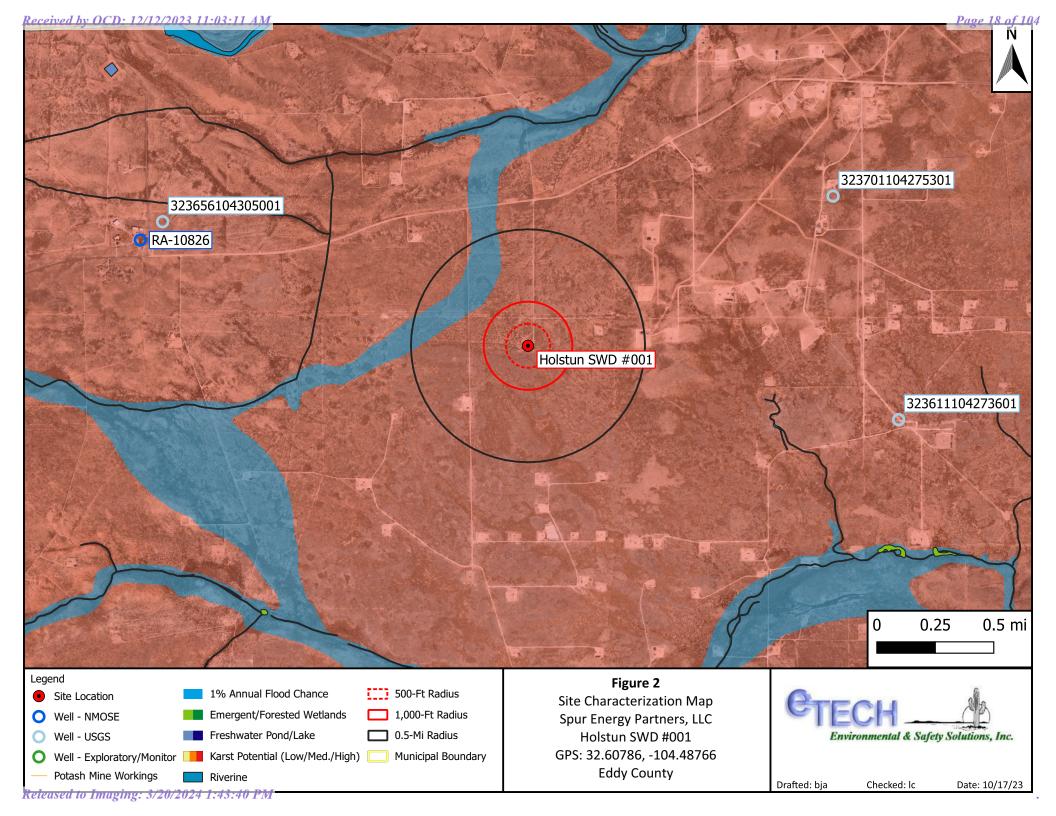


Figure 3 Site & Sample Location Map

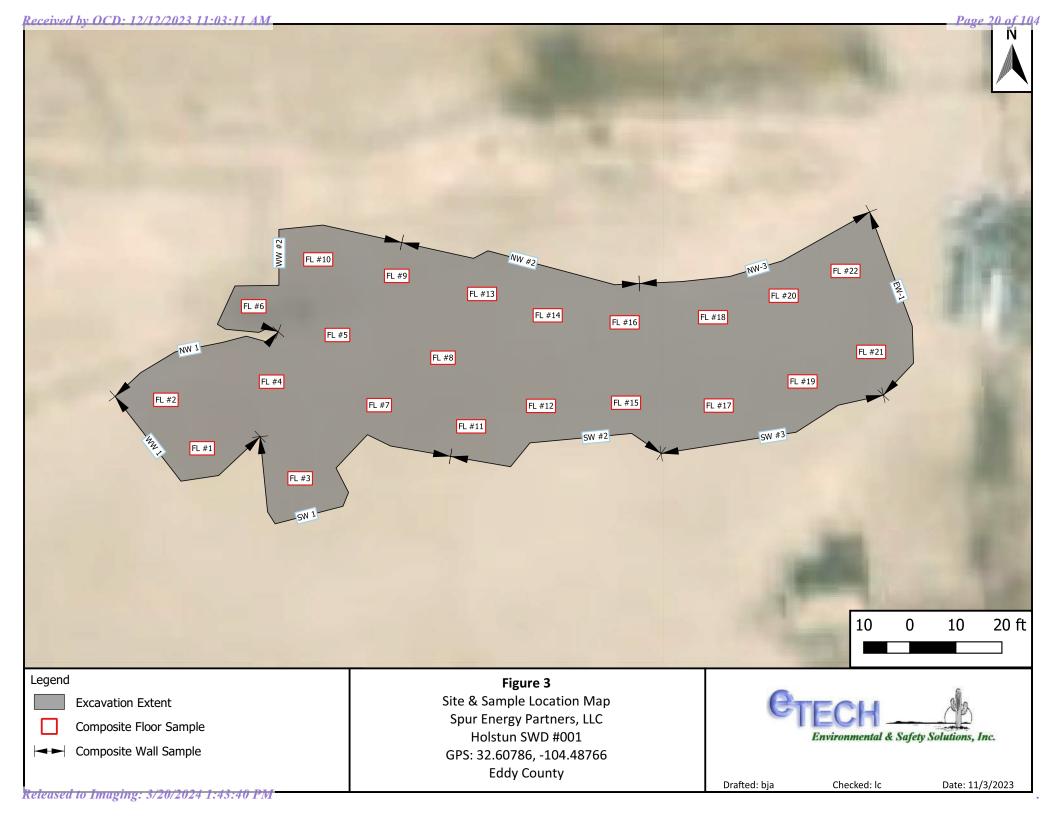


Table 1 Concentrations of BTEX, TPH & Chloride in Soil

				,	Table 1						
			Concentrati	ions of BT	EX, TPH	& Chloric	de in Soil				
			\$	_	gy Partne						
					ın SWD #0						
			NM	OCD Ref.	#: nAPP2	31073563	3				ı
	OCD Closure Crit			10	50	N/A	N/A	N/A	N/A	100	600
NMOCI	O Reclamation St	andard	1	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)
FL #1 @ 4 Ft	10/16/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL #2 @ 5 Ft	10/16/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL #3 @ 4 Ft	10/16/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	< 30.0	320
FL #4 @ 5 Ft	10/16/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	< 30.0	208
FL #5 @ 5 Ft	10/17/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL #6 @ 5 Ft	10/17/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	< 30.0	192
FL #7 @ 7 Ft	10/16/2023	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	336
FL #8 @ 5 Ft	10/16/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	464
FL #9 @ 5 Ft	10/16/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	320
FL #10 @ 6 Ft	10/17/2023	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	144
FL #11 @ 5 Ft	10/17/2023	5	Excavated	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	720
FL #11 @ 6 Ft	10/24/2023	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	416
FL #12 @ 6 Ft	10/18/2023	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	352
FL #13 @ 4 Ft	10/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	336
FL #14 @ 7 Ft	10/17/2023	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL #15 @ 4 Ft	10/18/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL #16 @ 4 Ft	10/18/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL #17 @ 4 Ft	10/18/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL #18 @ 4 Ft	10/18/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL #19 @ 4 Ft	10/18/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	< 30.0	144

FL #20 @ 4 Ft

FL #21 @ 6 Ft

FL #22 @ 6 Ft

NW 1

NW #2

NW-3

EW-1

SW 1

SW #2

SW #3

WW 1

WW #2

10/18/2023

10/18/2023

10/18/2023

10/16/2023

10/16/2023

10/18/2023

10/18/2023

10/16/2023

10/17/2023

10/17/2023

10/16/2023

10/16/2023

In-Situ

4

6

6

0-5

0-7

0-6

0-6

0 - 7

0 - 7

0-4

0-5

0-6

< 0.050

< 0.050

< 0.050

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14.8

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<10.0

<10.0

<10.0

<10.0

<10.0

< 30.0

< 30.0

<30.0

<30.0

<30.0

14.8

<30.0

<30.0

< 30.0

<30.0

< 30.0

<30.0

112

512

544

336

336

112

288

416

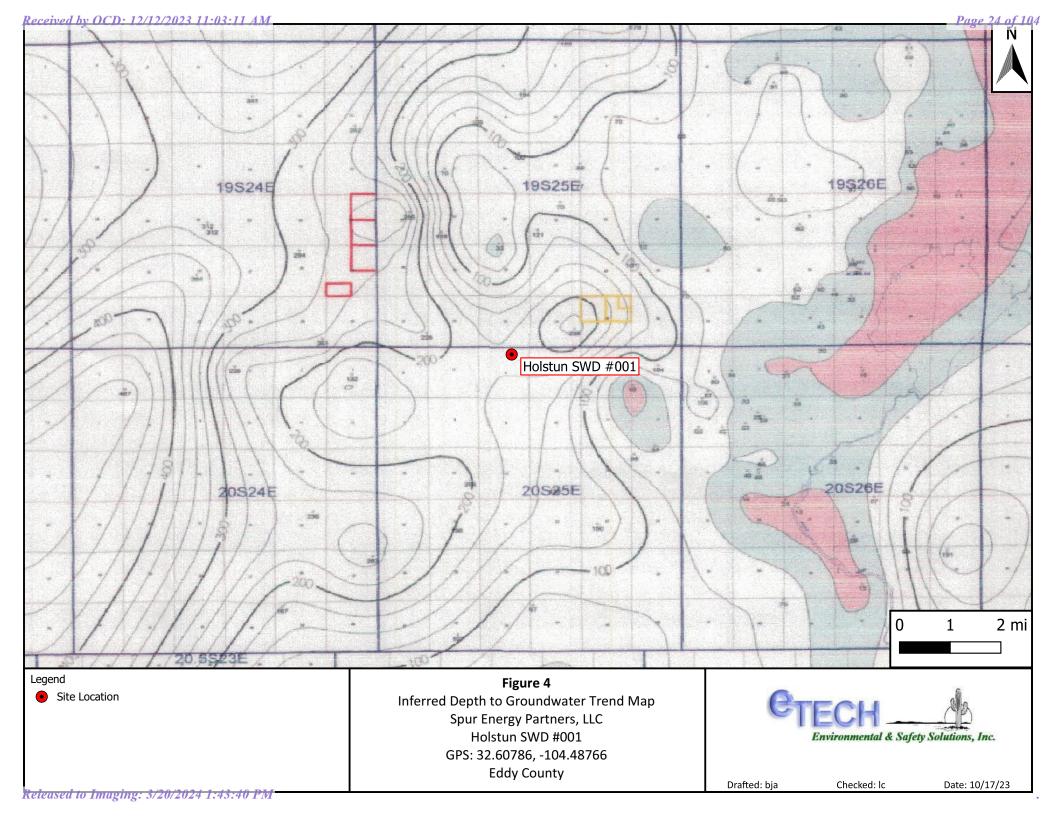
544

96.0

320

160

Appendix A Depth to Groundwater Information





New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

(R=POD has been replaced, O=orphaned,

C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to

largest) (NAD83 UTM in meters)

(In feet)

	P	OD				,			`			,		,
POD Number	S Code ba	Sub- asin C	County	Q (Tws	Rna	х	Y		DistanceDent	hWellDepth	Water WaterColumn
RA 02958		RA	ED							3608740*		1801	450	mutor Corumn
RA 03018		RA	ED	3	2 4	34	19S	25E	549987	3608639*	•	2041	530	

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count:2

UTMNAD83 Radius Search (in meters):

Easting (X): 548071.53 Northing (Y): 3607931.45 Radius: 2414

*UTM location was derived from PLSS - see Help

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

11/16/23 6:44 PM

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 Ri

Χ

RA 02958

Q64 Q16 Q4 Sec Tws Rng 1 4 34 19S 25E

549681 3608740*

Plug Date:

Source:

0

Driller License: 46

Driller Company:

ABBOTT BROTHERS COMPANY

Driller Name:

Drill Start Date:

Log File Date:

PCW Rcv Date:

Pump Type: Pipe Discharge Size: Estimated Yield:

Casing Size: 7.00 Depth Well: 450 feet 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.

11/16/23 6:45 PM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number

Q64 Q16 Q4 Sec Tws Rng

X

RA 03018

3 2 4 34 19S 25E

549987 3608639*

9

Driller License: 46

Driller Company:

ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT BROS.

Drill Start Date:

Drill Finish Date:

02/01/1953

Plug Date:

Log File Date:

08/26/1953

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

7.00

Depth Well: 530 feet

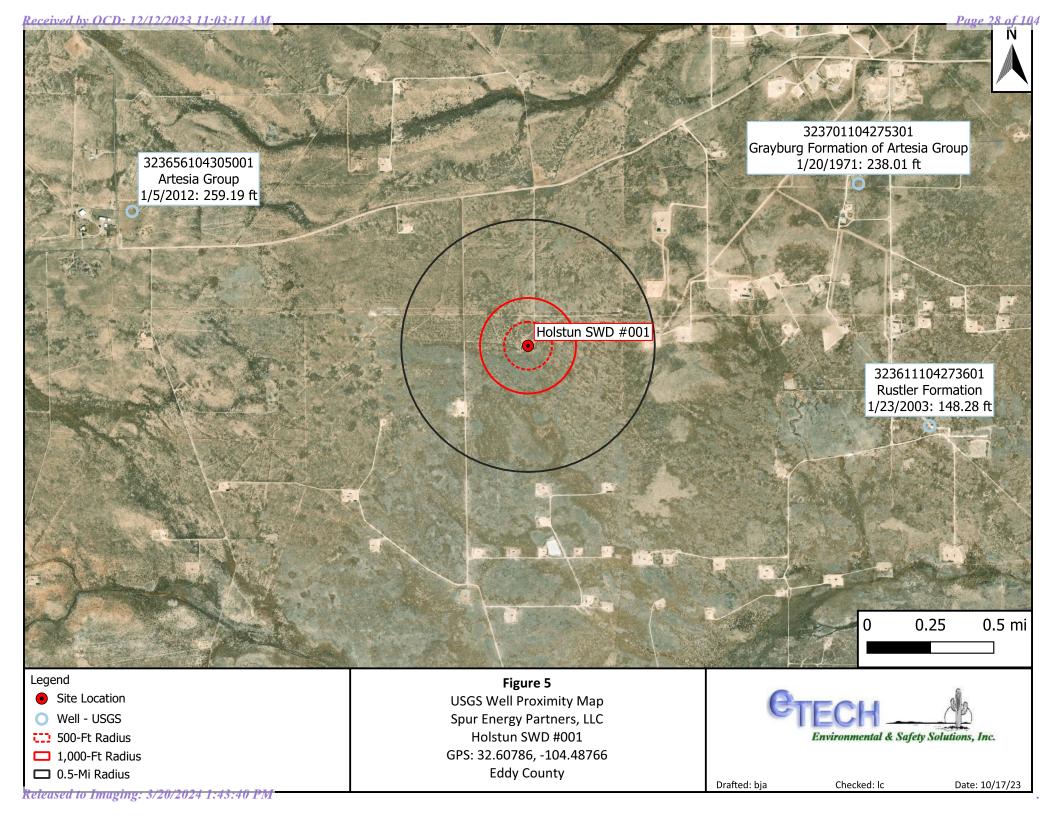
Depth Water:

*UTM location was derived from PLSS - see Help

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

11/16/23 6:45 PM

POINT OF DIVERSION SUMMARY



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Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323611104273601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323611104273601 20S.25E.02.133244

Eddy County, New Mexico

Latitude 32°36'11", Longitude 104°27'36" NAD27 Land-surface elevation 3,438 feet above NAVD88

The depth of the well is 150.0 feet below land surface.

This well is completed in the Roswell Basin aquifer system (\$400R\$SWLB\$) national aquifer. This well is completed in the Rustler Formation (312R\$SLR) local aquifer.

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

Date \$	Time \$? Water-level \$ date-time accuracy	? Parameter ≎ code	Water level, feet below land surface	Water level, feet above \$pecific vertical datum	Referenced vertical \$ datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level ≎ approval status
1963-01-18		D	72019	116.36			1	Z			А
1963-07-23		D	72019	145.19			1	Z			А
1963-09-04		D	72019	147.90			1	Z			А
1979-03-16		D	72019	142.46			1	Z			А
1984-02-02		D	72019	145.67			1	Z			А
1988-10-06		D	72019	138.03			1	Z			А
1990-02-27		D	72019	129.09			1	S			А
1990-03-27		D	72019	129.32			1	S			А

Date \$	Time \$? Water-level \$ date-time accuracy	? Parameter ≎ code	Water level, feet \$ below land surface	Water level, feet above specific vertical datum	Referenced vertical \$ datum	? Status	? Method of measurement	? Measuring \$ agency	? Source of measurement	? Water-level \$\partial approval status
1000 04 27			72010	125.00				C			
1990-04-27 1990-05-31		D D		135.99			1	S S			
1990-05-31		D		139.12 143.82			1	S			
1990-00-28		D		146.47			1	S			
1990-08-30		D		148.69			1	Z			
1990-09-27		D		148.84			1	Z			
1990-10-26		D		144.62			1	Z			
1990-12-05		D		143.33			1	Z			
1991-01-08		D		134.45			1	Z			
1991-02-01		D		132.32			1	Z			
1991-03-06		D		129.93			1	Z			
1991-04-05		D		133.81			1	Z			
1991-04-30		D		139.89			1	Z			
1991-06-04		D		141.99			1	Z			
1991-07-16		D		146.77			1	Z			
1991-08-12		D		147.88			1	Z			
1991-09-06		D		149.91			1	Z			
1991-10-08		D	72019	146.87			1	Z			
1991-11-04		D	72019	141.05			1	Z			
1991-12-04		D	72019	136.57			1	Z			
1992-01-08		D	72019	132.41			1	Z			
1992-02-04		D	72019	129.73			1	Z			
1992-03-03		D	72019	127.07			1	Z			
1992-04-01		D	72019	129.41			1	S			
1992-05-05		D	72019	132.54			1	Z			
1992-06-03		D	72019	131.09			1	Z			
1992-07-01		D	72019	133.22			1	Z			
1992-08-04		D	72019	137.87			1	Z			
1992-08-28		D	72019	140.50			1	Z			
1992-10-02		D	72019	143.81			1	Z			
1992-11-03		D	72019	138.95			1	Z			
1992-12-04		D	72019	133.72			1	Z			
1992-12-31		D	72019	130.84			1	Z			
1993-02-04		D	72019	127.46			1	Z			
1993-03-02		D	72019	125.24			1	Z			
1993-03-31		D	72019	126.49			1	Z			
1993-04-30		D	72019	133.73			1	Z			
1993-06-02		D	72019	136.23			1	Z			

Date \$	Time \$? Water-level \$ date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical \$\datum\$? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level ≎ approval status
1993-07-02		D	72019	140.09			1	Z			А
1993-08-03		D	72019	145.14			1	Z			А
1993-09-02		D	72019	148.85			1	Z			А
1993-10-01		D	72019	150.33			1	Z			А
1994-02-01		D	72019	131.76			1	Z			А
1999-01-27		D	72019	135.87			1	S	USGS	S	А
2003-01-23		D	72019	148.28			1	S	USGS	S	А

Explanation

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-11-16 19:34:48 EST

0.37 0.25 nadww01

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Groundwater levels for the Nation

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 323656104305001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323656104305001 19S.25E.31.424441

Eddy County, New Mexico

Latitude 32°36'56", Longitude 104°30'50" NAD27

Land-surface elevation 3,529 feet above NAVD88

The depth of the well is 300 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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

Date \$	Time \$? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\displaystyle \text{datum}	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1963-01-18		D	72019	228.00			1	Z			Α
1963-07-24		D	72019	242.86			1	Z			А
1963-08-13		D	72019	245.79			1	Z			А
1963-09-04		D	72019	248.10			1	Z			А
1963-10-20		D	72019	253.91			Р	Z			А
1963-11-20		D	72019	249.06			Р	Z			А

Date \$	Time \$? Water- level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above \$pecific vertical datum	Referenced vertical \$\datum\$? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1964-01-14		D	72019	242.59			P	Z			0
1964-01-14		D		254.27			1	Z			A
1965-01-13		D		254.27			1	Z			A
1968-11-13		D		267.54			1	Z			A
1968-12-12		D		251.08			1	Z			A
1969-01-13		D		246.68			1	Z			A
1969-01-30		D		251.08			1	Z			A
1969-04-10		D		243.36			1	Z			А
1969-08-05		D	72019	260.64			1	Z			А
1970-01-12		D	72019	244.68			1	Z			А
1971-01-20		D	72019	243.83			1	Z			А
1990-02-06		D	72019	227.03			1	S			А
1990-02-23		D	72019	224.89			1	S			А
1994-02-22		D	72019	227.78			1	S			А
1999-02-15		D	72019	235.45			1	S	USGS	S	A
2004-02-03		D	72019	231.65			1	S	USGS	S	Α
2006-02-07	20:30 UTC	m	72019	235.81			1	S	NM001	Α	А
2007-02-13	17:45 UTC	m	72019	238.02			1	S	NM001	А	А
2008-01-08	18:45 UTC	m	72019	240.75			1	S		А	Р
2009-01-06	17:30 UTC			252.04			1	S	NM001	А	А
2011-01-20	17:55 UTC			246.80			1	S	NM001	Α	
2012-01-05	20:25 UTC	m	72019	259.20			1	S	NM001	А	Р

Explanation

Section \$	Code \$	Description \$
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	Р	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.

Section \$	Code \$	Description \$
Measuring agency		Not determined
Measuring agency	NM001	New Mexico State Engineers Office
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	А	Reported by another government agency (do not use "A" if reported by owner, use "O").
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.
Water-level approval status	Р	Provisional data subject to revision.

<u>Questions or Comments</u> <u>Automated retrievals</u> <u>Help</u> Data Tips Explanation of terms Subscribe for system changes **News**

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Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-11-16 19:37:13 EST

0.33 0.25 nadww02

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Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 323701104275301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323701104275301 19S.25E.34.423224

Eddy County, New Mexico

Latitude 32°37'01", Longitude 104°27'53" NAD27

Land-surface elevation 3,528 feet above NAVD88

The depth of the well is 530 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Grayburg Formation of Artesia Group (313GRBG) local aquifer.

Output formats

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

Date \$	Time \$? Water- level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$? \$\tag{\partial}\$? Method of preasurement	? Measuring \$ agency	? Source of pressurement ?	? Water- level approval status
1955-01-04		D	72019	197.13			1	Z			Д
1957-01-15		D	72019	208.76			1	Z			Д
1958-01-29		D	72019	209.50			1	Z			Д

Date \$	Time \$? Water- level	? Parameter code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$? Status	? Method of measurement	? Measuring \$ agency	? Source of measurement	? Water- level approval status
1959-01-27		D	72019	205.88			1	Z			А
1960-01-27		D	72019	214.65			1	Z			А
1961-01-30		D	72019	210.93			1	Z			А
1962-01-25		D	72019	213.30			Р	Z			А
1963-01-07		D	72019	228.06			Р	Z			А
1963-07-24		D	72019	263.00			1	Z			А
1963-08-13		D	72019	267.12			1	Z			А
1963-09-04		D	72019	266.87			1	Z			Α
1963-10-02		D	72019	267.97			1	Z			Α
1963-11-20		D	72019	253.90			Р	Z			Α
1964-01-06		D	72019	239.65			Р	Z			А
1965-01-13		D	72019	250.00			1	Z			Α
1966-01-27		D	72019	247.85			1	Z			Α
1969-01-13		D	72019	241.52			1	Z			А
1969-01-30		D	72019	240.12			1	Z			А
1969-04-10		D	72019	245.70			1	Z			А
1969-08-05		D	72019	263.80			1	Z			А
1970-01-12		D	72019	239.68			1	Z			А
1971-01-20		D	72019	238.01			1	Z			А

ana	

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	Р	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined

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0.31 0.26 nadww02

Appendix B Field Data



Sample Log

Date:				

Project: Holstun SWD #001

Project Number: 18074 Latitude: 32.6078644 Longitude: -104.4876633

Sample ID	PID/Odor	Chloride Conc.	GPS
10W1	done	1/2	
WW1	nane	356	
NW4 -	none	320 -	
5W1		912	
SWI		488	
FL#1@45+		252	
FL#20 95+ -	1:11/1c-		
F2 # 30 (15+	none	356	
FL #40 9 Ft		1/284	
F1 #5@ 4 F7	manager 1	760	
FLHGB 84Ft	1.+12	1,076	
FL# 20.5 Ft		287	
FL# 405 Ft		396	
FLAT \$505FT		574	
FL# 6@5F+		536	
FL#709F+	an-	912	
FL # 700 SF+		912	
FL# 80 4F+ -		703	
F2# 9@ 4 Ft		1,196	
F1+70 CF+	1;4+10	1/129	
F(#80 5F+	none	536	
F2#9@5F+		488	
FL # 7075+		488	
601W#2		252	
NW # 2		488	
FLHGOUFT		1,12'1	
562		1,724	-
F1#10@5F+		2,588	
51,1-2		584 -	#
F1#10@ LFT		275	
ES#11001E+		9(4)	
FL#12@4F+		1 GO	
F2 # 13@ 4 F+		352	
Fr #14@ 01H		824	
ST#11 @ 2 Et		584	
FIHIDRSFT		9601	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Sidewall = SW #1 etc

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



Sample Log

Date:			

Project:	Holstun SWD #001
----------	------------------

Project Number: 18074 Latitude: 32.6078644 Longitude: -104.4876633

Sample ID	PID/Odor	Chloride Conc.	GPS
FL#= 19@6F+		1,260	
FL# 140757		352	
Fitting @ GF+	_	589	
561-7		208	
FZ# 15@4F+		5 72	
FL# 16 DUFT		408	
FL#+7@ 4Ft		484	-
F2#18@4F+		989	
F2#1909F+	-	208	
F2#20@4Ft		176	
120-3		208	
F2#216 4F+		824	
FL# 22 @ 487		964	
FL#21@5F+	_	760	
F1 # 22@ 5F4		740	
FL#2106Ft		589	
EL# 22@ LF+		532	
72# 110 GF+		312	
			
	 		-
		*	
			
	<u> </u>		
-	 		
	 		
<u> </u>	-		-
	 		

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix C Photographic Log

Photo Number:

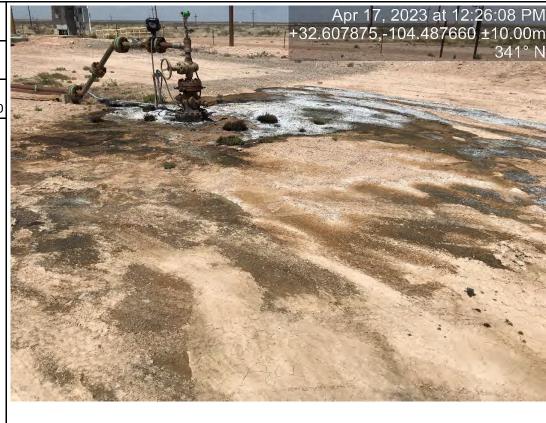
1

Photo Direction: North-Northwest

Coordinates:

32.607875,-104.487660

Photo Description:



View of the affected area.

Photo Number:

Photo Direction:

Northwest

Coordinates:

32.607766,-104.487637

Photo Description:

View of the affected area.



Photo Number:

3

Photo Direction:

West-Southwest

Coordinates:

32.607997,-104.487275

Photo Description:



View of the affected area.



Photo Direction:

East-Northeast

Coordinates:

32.607851,-104.487838

Photo Description:

View of the affected area.



Photo Number:

5

Photo Direction:

East

Coordinates:

32.607830,-104.487839

Photo Description:



View of the excavated area.

Photo Number:

6

Photo Direction:

Southeast

Coordinates:

32.607857,-104.487847

Photo Description:

View of the excavated area.



Photo Number:

7

Photo Direction:

Southeast

Coordinates:

32.607899,-104.487773

Photo Description:



View of the excavated area.

Photo Number:

8

Photo Direction:

Southwest

Coordinates:

32.607973,-104.487298

Photo Description:

View of the excavated area.



Photo Number:

9

Photo Direction:

Southwest

Coordinates:

32.607973,-104.487298

Photo Description:



View of the excavated area.



10

Photo Direction:

West

Coordinates:

32.607973,-104.487298

Photo Description:

View of the remediated area after backfill and regrading.



Appendix D Laboratory Analytical Reports



October 20, 2023

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

RE: HALSTUN

Enclosed are the results of analyses for samples received by the laboratory on 10/17/23 14:42.

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

A ... - b ... - d D. .. 711

Fax To:

Received: 10/17/2023 Reported: 10/20/2023

Project Name: HALSTUN
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 10/16/2023

Sampling Type: Soil

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

Sample ID: WW 1 (H235671-01)

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	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/18/2023	ND	416	104	400	0.00	
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	10/18/2023	ND	172	86.0	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	191	95.4	200	4.82	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Analyzed By: JH

Fax To:

Received: 10/17/2023

Reported: 10/20/2023
Project Name: HALSTUN
Project Number: NONE GIVEN

Project Location: NONE GIVEN

mg/kg

Sampling Date: 10/16/2023

Sampling Type: Soil

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

Sample ID: NW 1 (H235671-02)

BTEX 8021B

DIEX GOZID	ıııg,	ng .	Alldiyac	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/18/2023	ND	416	104	400	0.00	
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	10/18/2023	ND	172	86.0	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	191	95.4	200	4.82	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Applyzod By: 14

Fax To:

Received: 10/17/2023

Reported: 10/20/2023
Project Name: HALSTUN
Project Number: NONE GIVEN

Project Location: NONE GIVEN

ma/ka

Sampling Date: 10/16/2023

Sampling Type: Soil

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

Sample ID: SW 1 (H235671-03)

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	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/18/2023	ND	416	104	400	0.00	
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	10/18/2023	ND	172	86.0	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	191	95.4	200	4.82	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/17/2023 Reported:

10/20/2023

Project Name: **HALSTUN** Project Number: NONE GIVEN Project Location: NONE GIVEN Sampling Date: 10/16/2023

Sampling Type: Soil

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

Sample ID: FL #1 @ 4FT (H235671-04)

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	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	< 0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/18/2023	ND	416	104	400	0.00	
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	10/18/2023	ND	172	86.0	200	3.60	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	191	95.4	200	4.82	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/17/2023 Reported: 10/20/2023

 10/17/2023
 Sampling Date:
 10/16/2023

 10/20/2023
 Sampling Type:
 Soil

Project Name: HALSTUN Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: FL #2 @ 5FT (H235671-05)

BTEX 8021B

	9,	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/18/2023	ND	416	104	400	0.00	
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	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	84.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/17/2023 Reported: 10/20/2023 Project Name:

HALSTUN Project Number: NONE GIVEN Project Location: NONE GIVEN Sampling Date: 10/16/2023

Sampling Type: Soil

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

Sample ID: FL #3 @ 4FT (H235671-06)

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	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/18/2023	ND	416	104	400	0.00	
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	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Analytical Results For:

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

10/17/2023 Sampling Date: 10/16/2023

Reported: 10/20/2023 Sampling Type: Soil

Project Name: HALSTUN Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: NONE GIVEN

Sample ID: FL #4 @ 5FT (H235671-07)

Received:

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	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/18/2023	ND	416	104	400	0.00	
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	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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Shalyn Rodriguez

Analytical Results For:

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

Received: 10/17/2023 Reported: 10/20/2023

10/17/2023Sampling Date:10/16/202310/20/2023Sampling Type:SoilHALSTUNSampling Condition:Cool & Intact

Sample Received By:

Project Location: NONE GIVEN

NONE GIVEN

Sample ID: FL #7 @ 7FT (H235671-08)

Project Name:

Project Number:

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	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/18/2023	ND	416	104	400	0.00	
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	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

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

Fax To:

Received: 10/17/2023 Reported: 10/20/2023

 10/17/2023
 Sampling Date:

 10/20/2023
 Sampling Type:

Project Name: HALSTUN
Project Number: NONE GIVEN
Project Location: NONE GIVEN

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

10/16/2023

Soil

Sample ID: FL #8 @ 5FT (H235671-09)

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	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/18/2023	ND	416	104	400	3.77	
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	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 10/17/2023
Reported: 10/20/2023
Project Name: HALSTUN
Project Number: NONE GIVEN

HALSTUN NONE GIVEN NONE GIVEN Sampling Date: 10/16/2023

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

Sample ID: FL #9 @ 5FT (H235671-10)

Project Location:

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	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/18/2023	ND	416	104	400	3.77	
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	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

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10/16/2023

Analytical Results For:

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

Analyzed By: JH

Received: 10/17/2023
Reported: 10/20/2023
Project Name: HALSTUN

10/20/2023Sampling Type:SoilHALSTUNSampling Condition:Cool & IntactNONE GIVENSample Received By:Shalyn Rodriguez

Sampling Date:

Project Location: NONE GIVEN

mg/kg

Sample ID: WW # 2 (H235671-11)

Project Number:

BTEX 8021B

	9,	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

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Analytical Results For:

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

Analyzed By: JH

Received: 10/17/2023 Reported: 10/20/2023

Project Name: HALSTUN
Project Number: NONE GIVEN
Project Location: NONE GIVEN

mg/kg

Sampling Date: 10/16/2023

Sampling Type: Soil

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

Sample ID: NW # 2 (H235671-12)

BTEX 8021B

	9,	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	2.08	104	2.00	1.13	
Toluene*	<0.050	0.050	10/19/2023	ND	2.14	107	2.00	1.79	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.29	115	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.92	115	6.00	2.51	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	180	90.0	200	0.0128	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	186	92.8	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.						BII	LL TO					AN	LYSIS	REQ	UEST		
Project Manage	r. Toca lostery		- 7	P.O.	#:												
Address: P.C). Box 301			Con	pany	: 1											
City: Lovingt	on State: NM	Zip: 88260		Attn	:												
Phone #: (57	5) 396-2378 Fax #: (575)	396-1429		Add	ress.												
Project #:	Project Owne	r:		City				1	-				+ 1				
Project Name:	Halston			Stat	e:		Zip:		0	SM)	21B						
Project Locatio				Pho	ne#:			Tri -	Chloride	TPH (8015M)	BTEX (8021B)						
Sampler Name:	Martin Sepulvedo	57.1		Fax				10	흥	I	X		0				
FOR LAB USE ONLY	The state of the s	MATR	XIS		RESE	RV.	SAMPLI	VG.		F	B						
		W. W.															
		(C)O ATER							0								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	l _w		ACID/BASE.	A	KXX.						1 1				
		STE	SLUDGE	OTHER:	/CC	OTHER >	^										
H235671		(G)R) GRO GRO WAS SOIL	SLL	6	S S	6	DATE	TIME	-								
1	WW1				1		10-16-23	12:00	/	/	/						
2	NW1	/			1				/	/	/						
3	561				/				/	1	/						-
4	FL# 1 @4F+		-	\Box	1				1	/	/		-		-		-
5	FL# 2 @5 Ft		+	+	-				/	/	/	_	-	-	-	-	-
6	FL#3604F+		+	\vdash	/				/	/	1	-		-	-		-
7	FL#4@5F+		+		1				/	/	/	_ 4	6		-		-
	114300 11				1				/	1		N	6	-	-		-
0	CL#6@5P1		-		1		4		1	1	-		1-	-	-		-
PLEASE NOTE: Liability	FL#70 7 F+ nd Darmages. Cardina's liability and client's exclusive remedy for	any claim arising whether based in	contract	or tort, s	rhalf be lin	nited to	o the amount pai	by the client for	the		1						
analyses. All claims includes	ing those for negligence and any other cause whatevever shall be curried be listed for incidental or consequental damages, include	deemed waived unless made in w to without ilmitation, business inter-	edilog en ruptions,	d receive loss of u	ed by Card me, or loss	dinal w	ithin 30 days alto ofile incurred by o	completion of R lient, its subsidies	to applica ries,	bio							
Relinquished B	ing out of or related to the Performance of services hereunder by	Received By:	ich dalm	is based	upon any	y of the	above stated re	Phone Re	10.	□ Ye	s 🗆	No Add	l Phone :	#:			
Kelliquisited B	Date: 7 10 - 12 - 23		n'	N.		. 1		Fax Resul	it:	□ Ye			Fax#:				
100	Time:	45020dV	U	YV	U	U	1	REMARKS	3.								
Relinquished B	y: Date:	Received By:										İ					
	Time:	1						Please	mail r	neult-	to no	@eteche	nv com				
Delivered By	: (Circle One) _ [9]	Sample C		ion		-	ED BY:	i icase e	e caglic f	coult	to pill	Weier le	HV.COH	•			
	- Bus - Other: #14	Cool in		s	<	(Initi	al9)										
Gampier 073	41	No [N	0)											

FORM-006 Revision 1.0

Received by OCD: 12/12/2023 11:03:11 AM

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

-	
CE.	ARDINAL
	101 East

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

L LABORATORIES Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Joel Jowny	P.O. #:	
Address: P.O. Box 301	Company:	
City: Lovington State: NM Zip: 88260	Attn:	
Phone #: (575) 396-2378 Fax #: (575) 396-1429	Address.	
Project #: Project Owner:	City:	
Project Name: Halstun	State: Zip:	21 8M 8
Project Location:	Phone #:	Chloride H (8015
Sampler Name: Martin Sepulvala	Fax #: 19	Chloride TPH (8015M) BTEX (8021B)
FOR LAB USE ONLY	PRESERV. SAMPLING	
OM S S S S S S S S S S S S S S S S S S S		
Lab I.D. Sample I.D.	ا ا	
Lab I.D. Sample I.D.	BAS COO	
#CONTAINERS GROUNDWATER WASTEWATER SOIL	OTHER: OTHER: OTHER: OTHER:	
H235671 9 FL# 8 @ 5Ft 10 FL# 9 @ 5ft 11 WW#72	10-11-21:00	
10 F1# 9@ Sft	1	111
1160#2		111
12 NW#2	/ /	() /
PLEASE NOTE: Liability and Damages. Cardinal's flability and client's exclusive remedy for any claim arising whether based in on	ract or tart, shall be limited to the amount paid by the client fo	or the
analyses, Ali claims including those for negligence and any other cause whatsoever shall be deemed walved enless made in editions. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interrupt	ns, loss of use, or loss of profits incurred by client, its subsidic	arise,
artitudes or successors arising out of or releted to the performance of services herounder by Cardinal, regardless of whether such of Received By:	Phone Re	esult: Yes No Add'l Phone #:
Time: July Swan	Pigner Fax Resurremark	
Relinguished By: Date: Received By:	100	
Time:		
		email results to pm@etechenv.com.
Delivered By: (Circle One) _ [.9] Sample Con	t (Initials)	
Sampler UPS - Bus - Other: #140 = TYee = No	No SYC	

FORM-006 Revision 1.0

Received by OCD: 12/12/2023 11:03:11 AM

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



October 24, 2023

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

RE: HALSTUN

Enclosed are the results of analyses for samples received by the laboratory on 10/18/23 15:11.

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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Analyzed By: JH

Received: 10/18/2023
Reported: 10/24/2023
Project Name: HALSTUN
Project Number: NONE GIVEN

mg/kg

Project Location: SPUR

Sampling Date: 10/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: FL #5 @ 5FT (H235705-01)

BTEX 8021B

DIEX 8021B	ilig	/ Ky	Allalyze	и ву: эп					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	1.99	99.6	2.00	3.39	
Toluene*	<0.050	0.050	10/19/2023	ND	1.98	99.0	2.00	1.90	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	2.10	105	2.00	3.85	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	6.30	105	6.00	3.54	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13-	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	182	90.9	200	3.80	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	191	95.4	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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Analytical Results For:

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

Applyzod By: 14

Received: 10/18/2023
Reported: 10/24/2023
Project Name: HALSTUN

Project Number: NONE GIVEN
Project Location: SPUR

Sampling Date: 10/17/2023

Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: FL #6 @ 5FT (H235705-02)

RTFY 8021R

B1EX 8021B	mg,	rky	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	1.99	99.6	2.00	3.39	
Toluene*	<0.050	0.050	10/20/2023	ND	1.98	99.0	2.00	1.90	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	3.85	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	3.54	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/19/2023	ND	416	104	400	3.77	
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	10/19/2023	ND	182	90.9	200	3.80	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	191	95.4	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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Celey D. Keine



10/17/2023

Analytical Results For:

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

Fax To:

Received: 10/18/2023 Sampling Date:

Reported: Sampling Type: Soil 10/24/2023

Project Name: HALSTUN Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Dionica Hinojos

Project Location: **SPUR**

Sample ID: SW # 2 (H235705-03)

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	10/20/2023	ND	1.99	99.6	2.00	3.39	
Toluene*	<0.050	0.050	10/20/2023	ND	1.98	99.0	2.00	1.90	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	3.85	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	3.54	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/19/2023	ND	416	104	400	3.77	
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	10/19/2023	ND	182	90.9	200	3.80	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	191	95.4	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene



Analytical Results For:

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

Received: 10/18/2023 Reported: 10/24/2023

Project Name: HALSTUN Project Number: NONE GIVEN

Project Location: **SPUR** Sampling Date: 10/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

Sample ID: FL #10 @ 6FT (H235705-04)

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	10/19/2023	ND	1.96	97.9	2.00	6.06	
Toluene*	<0.050	0.050	10/19/2023	ND	1.86	93.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	1.87	93.7	2.00	7.54	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	5.56	92.7	6.00	8.78	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/19/2023	ND	416	104	400	3.77	
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	10/19/2023	ND	182	90.9	200	3.80	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	191	95.4	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

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Analytical Results For:

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

Fax To:

Received: 10/18/2023 Sampling Date: 10/17/2023

Reported: Sampling Type: Soil 10/24/2023

Project Name: HALSTUN Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Dionica Hinojos

Project Location: **SPUR**

Sample ID: FL #11 @ 5FT (H235705-05)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	1.96	97.9	2.00	6.06	
Toluene*	<0.050	0.050	10/19/2023	ND	1.86	93.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	1.87	93.7	2.00	7.54	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	5.56	92.7	6.00	8.78	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	10/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	182	90.9	200	3.80	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	191	95.4	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	79.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.6	% 49.1-14	8						

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Analytical Results For:

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

Analyzed By: JH

Received: 10/18/2023 Reported: 10/24/2023 Project Name: HALSTUN

Project Number: NONE GIVEN

Project Location: **SPUR** Sampling Date: 10/17/2023

Sampling Type: Soil Sampling Condition:

Cool & Intact Sample Received By: Dionica Hinojos

Sample ID: FL #13 @ 4FT (H235705-06)

BTEX 8021B

DILX OUZID	11197	ng .	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	1.96	97.9	2.00	6.06	
Toluene*	< 0.050	0.050	10/19/2023	ND	1.86	93.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	1.87	93.7	2.00	7.54	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	5.56	92.7	6.00	8.78	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	182	90.9	200	3.80	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	191	95.4	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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Analytical Results For:

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

Fax To:

Received: 10/18/2023 Sampling Date: 10/17/2023

Reported: 10/24/2023 Sampling Type: Soil

Project Name: HALSTUN Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: SPUR

Sample ID: FL #14 @ 7FT (H235705-07)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	1.96	97.9	2.00	6.06	
Toluene*	<0.050	0.050	10/19/2023	ND	1.86	93.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	1.87	93.7	2.00	7.54	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	5.56	92.7	6.00	8.78	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	182	90.9	200	3.80	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	191	95.4	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Analytical Results For:

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

Applyzod By: 14

Received: 10/18/2023
Reported: 10/24/2023
Project Name: HALSTIN

Project Name: HALSTUN
Project Number: NONE GIVEN

ma/ka

Project Location: SPUR

Sampling Date: 10/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SW # 3 (H235705-08)

RTFY 8021R

B1EX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2023	ND	1.96	97.9	2.00	6.06	
Toluene*	<0.050	0.050	10/19/2023	ND	1.86	93.2	2.00	5.59	
Ethylbenzene*	<0.050	0.050	10/19/2023	ND	1.87	93.7	2.00	7.54	
Total Xylenes*	<0.150	0.150	10/19/2023	ND	5.56	92.7	6.00	8.78	
Total BTEX	<0.300	0.300	10/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	182	90.9	200	3.80	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	191	95.4	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celeg D. Freene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 11 of 11

(A)

ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	: Etech Environmenta			Inc							B	IL	L TO						ANA	LYSI	SR	REQU	EST		
Project Manage	Joel lawry	,						1	P, O.	#:											T	T		T	
Address: P.O	. Box 301								Con	npa	ny:	5	SPUR		_										
City: Lovingto	on .	State: NM	Zip:	882	260				Attn	10	Ka	14.	y Pu	vis											
Phone #: (57	5) 396-2378	Fax #: (575) 3	96-1	429					Add	ress			1												
Project #:		Project Owner							City														1		
Project Name:	Holston								Stat	e:		ı Zi	io:		0	(W)	18)								
Project Location										ne i					Chloride	TPH (8015M)	BTEX (8021B)								
Sampler Name:	0.0	milizala							Fax						E E	I	X			10					
FOR LAS USE ONLY	7. (3.117.12	CHICOM				M/	TRU	_	_	_	SERV	4	SAMPLI	NG		4	FE		1			1			
H235705 Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:		DATE	TIME	in .										
	FI#5@SF	+				1				17	1		17-25	12'00	195	1	1								
2	FL#5@5F	+				1	1			1	1	ľ			1	1	1								
3	SW#2					1	1			1	1				1	1	1								
ŭ	FL# 1006F	4				1				1	1				1	1	1								
5	F1.# 110000					1				1	1				1	1	1								
6	FL# BB O	YFT				1				1	1			, , , , , , , , , , , , , , , , , , ,	1	1	1								
7	FL# 1407F	t				1			1	1	1				1	1	1								
8	SW#3					1	7			1	/		4		1	/	/								
												L													
enalyses, All claims including service. In no event shall careful and the service of successors arise Relinquishes B	d Demages. Cardinal's liability and clier ng those for negligence and any officer cardinals be liable for incidental or consequence of the cardinal be liable for incidental or consequence out of or related to the performance of the cardinal beautiful and the cardinal cardi	uses whateoever shall be contail darranges, including of services hereunder by C Date: 10 - 18 · 23 Time: 15 · 1) Date: Time:	Re	ceiv	ed emberation, tru- ridense of red E	os made signess i f whether By:	e con	ng and a tens, to claim is	os of o	ed by C	toes of any of	i within prijetio the ad	in 10 days after in incurred by c bove stated re	completion of the	no applica ries, no. Sult: It: S:	□ Ye	es [No No	Add'i	Phone Fax #:					
	- Bus - Other:	-7.5°	140		C	2001 19 Ye	Inta	Yes No		1								4							

FORM-006 Revision 1.0

Received by OCD: 12/12/2023 11:03:11 AM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



October 24, 2023

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

RE: HOLSTON SWD # 001

Enclosed are the results of analyses for samples received by the laboratory on 10/19/23 15:12.

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:

Received: 10/19/2023 Sampling Date: 10/18/2023
Reported: 10/24/2023 Sampling Type: Soil

Project Name: HOLSTON SWD # 001 Sampling Condition: Cool & Intact
Project Number: 18074 Sample Received By: Shalyn Rodriguez

Project Location: SPUR - EDDY CO., NM

Sample ID: FL # 12 @ 6 FT (H235731-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/21/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/21/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/21/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/23/2023	ND	177	88.3	200	2.78	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	165	82.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 10/19/2023 Reported: 10/24/2023

HOLSTON SWD # 001

Project Name: Project Number: 18074

Project Location: SPUR - EDDY CO., NM Sampling Date: 10/18/2023

Sampling Type: Soil

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

Sample ID: FL # 15 @ 4 FT (H235731-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/21/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/21/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/21/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/23/2023	ND	177	88.3	200	2.78	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	165	82.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/19/2023 Sampling Date: 10/18/2023

Reported: 10/24/2023 Sampling Type: Soil

Project Name: HOLSTON SWD # 001 Sampling Condition: Cool & Intact
Project Number: 18074 Sample Received By: Shalyn Rodriguez

Project Location: SPUR - EDDY CO., NM

Sample ID: FL # 16 @ 4 FT (H235731-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/21/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/21/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/21/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/23/2023	ND	177	88.3	200	2.78	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	165	82.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	99.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/19/2023

Reported: 10/24/2023 Project Name: HOLSTON SWD # 001

Project Number: 18074

Project Location: SPUR - EDDY CO., NM Sampling Date: 10/18/2023

Sampling Type: Soil

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

Sample ID: FL # 17 @ 4 FT (H235731-04)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/21/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/21/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/21/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/23/2023	ND	177	88.3	200	2.78	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	165	82.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/19/2023 Reported: 10/24/2023

Project Name: HOLSTON SWD # 001

Project Number: 18074

Project Location: SPUR - EDDY CO., NM Sampling Date: 10/18/2023

Sampling Type: Soil

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

Sample ID: FL # 18 @ 4 FT (H235731-05)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/21/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/21/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/21/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/23/2023	ND	177	88.3	200	2.78	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	165	82.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/19/2023 Sampling Date: 10/18/2023

Reported: 10/24/2023 Sampling Type: Soil

Project Name: HOLSTON SWD # 001 Sampling Condition: Cool & Intact
Project Number: 18074 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: SPUR - EDDY CO., NM

mg/kg

Sample ID: FL # 19 @ 4 FT (H235731-06)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/21/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/21/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/21/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/23/2023	ND	177	88.3	200	2.78	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	165	82.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/19/2023 Sampling Date: 10/18/2023

Reported: 10/24/2023 Sampling Type: Soil

Project Name: HOLSTON SWD # 001 Sampling Condition: Cool & Intact
Project Number: 18074 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: SPUR - EDDY CO., NM

Sample ID: FL # 20 @ 4 FT (H235731-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/23/2023	ND	177	88.3	200	2.78	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	165	82.5	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	95.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

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Analytical Results For:

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

Fax To:

Received: 10/19/2023 Sampling Date: 10/18/2023

Reported: 10/24/2023 Sampling Type: Soil

Project Name: HOLSTON SWD # 001 Sampling Condition: Cool & Intact
Project Number: 18074 Sample Received By: Shalyn Rodriguez

Project Location: SPUR - EDDY CO., NM

Sample ID: FL # 21 @ 6 FT (H235731-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/20/2023	ND	178	88.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	196	97.9	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/19/2023

Reported: 10/24/2023

Project Name: HOLSTON SWD # 001

Project Number: 18074

Project Location: SPUR - EDDY CO., NM Sampling Date: 10/18/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Sample ID: FL # 22 @ 6 FT (H235731-09)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/20/2023	ND	178	88.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	196	97.9	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Sample Received By:

10/18/2023

Shalyn Rodriguez

Analytical Results For:

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

Received: 10/19/2023 Sampling Date:

Reported: 10/24/2023 Sampling Type: Soil
Project Name: HOLSTON SWD # 001 Sampling Condition: Cool & Intact

Project Number: 18074

Project Location: SPUR - EDDY CO., NM

Sample ID: NW - 3 (H235731-10)

•	Result	Reporting Limit	Analyzed	Method Blank					
Benzene*	<0.050		•	Metrion piarik	BS	% Recovery	True Value QC	RPD	Qualifier
261126116		0.050	10/20/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	% 71.5-13-	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/23/2023	ND	178	88.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	10/23/2023	ND	196	97.9	200	2.86	
EXT DRO >C28-C36	14.8	10.0	10/23/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-148	8						

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Analytical Results For:

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

Fax To:

Received: 10/19/2023 Sampling Date: 10/18/2023

Reported: 10/24/2023 Sampling Type: Soil

Project Name: HOLSTON SWD # 001 Sampling Condition: Cool & Intact Project Number: 18074 Sample Received By: Shalyn Rodriguez

Project Location: SPUR - EDDY CO., NM

Sample ID: EW - 1 (H235731-11)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.07	103	2.00	5.17	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	6.12	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	4.99	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.30	105	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/20/2023	ND	432	108	400	0.00	
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	10/20/2023	ND	178	88.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	10/20/2023	ND	196	97.9	200	2.86	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	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. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

Received by OCD: 12/12/2023 11:03:11 AM

Released to Imaging: 3/20/2024 1:43:40 PM

O	(575) 393-2326 FAX (575) 393-2		1-		_	_		_	_	-	-	200					_									
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	75) 396-2378 Fax #: (575) 3		-					1	Add	res	s:															
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	110171111							1	Stat	be:		- 2	Zip:		de	15N	021									
Project Location								1	Pho	ne	#:				Chloride	TPH (8015M)	BTEX (8021B)	-			1					
Sampler Name:	Martin Sepulveda	_	_	_			-	1	ax	_				M = 0	5	표	E									
FOR LAB USE ONLY		0.		-	1	TAN	RIX	T	4	PRE	SER	V.	SAMPLI	NG		-	00									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
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6	FL# 2010 957	10	1	-	-	/	+	1	-	-	1	+		-	/	1	1	-	+-	+	+	+	+	+	-	-
8	FH 2106-4	1	1	\vdash	-	1	+	+	-	-	/	+			/	/	1	- 4	+-	+-	+	+	+	-	+	-
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analyses. All claims inclut service, in no event shall (ding those for negligence and any other cause whatsoever shall be Cardinal be liable for incidental or consequental damages, includin	deems	ut ilmit	ved at	iess mi busine	ade in re inte	welling eruptio	g acrid a seas, los	recuir us of a	ed by use, o	Cardin loss o	val wi of pro	ithin 30 days alle offin incurred by o	completion of the	ne applica	bio										
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Delivered By	7: (Circle One) 3-82				Sam				m	(ED BY:													
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Received by OCD: 12/12/2023 11:03:11 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	: Spur Energy Partner	s, LLC	76								BI	LL TO					-	ANAL	YSIS	RE	QUES	ST						
roject Manager	r: Joel Lowry								P.O.	#:																		
ddress: 261	7 W Marland								Con	npan	y:	Spur		1			1				1							
ity: Hobbs	Star	te: NM	Zip	: 8	3824	0			Attn	: K	athy F	Purvis		1			0					1						
hone #: 575-	-396-2378 Fax	#: 575-396-1	429						Add	ress	: 1	-									1							
roject #: 180	74 Pro	ject Owner:	Spo	r Ene	ergy P	artne	rs, L	TC	City	:																		
roject Name:	Holstun SWD #001								Stat	e:	4	Zlp:			MY		15											
roject Location	n: Rural Eddy								Pho	ne #	:		Cake				1	1										
ampler Name:		Martin Sepul	/eda					-	Fax #:			I.	100						1									
FOR LAB USE ONLY					-	MA	TRIX	79	-	PRES	ERV.	SAMPLI	NG ¶	4			1					1						
Lab I.D.	Sample I.I	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	Chloride TPH BTEX 8021			Chioride TPH BTEX 8021			BTEX 8021			=.(,					
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 FORM-006 R 2.0



October 25, 2023

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

RE: HOLSTON SWD # 001

Enclosed are the results of analyses for samples received by the laboratory on 10/25/23 14:10.

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:

10/25/2023

Reported: 10/25/2023

Project Name: HOLSTON SWD # 001

Project Number: 18074

Received:

Project Location: SPUR - EDDY CO., NM Sampling Date: 10/24/2023

Sampling Type: Soil

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

Sample ID: FL # 11 @ 6' (H235853-01)

BTEX 8021B	mg/	/kg	Analyze	d By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.09	105	2.00	7.22	
Toluene*	<0.050	0.050	10/25/2023	ND	2.16	108	2.00	7.57	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.17	109	2.00	9.06	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.57	110	6.00	9.58	
Total BTEX	<0.300	0.300	10/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/25/2023	ND	432	108	400	7.69	
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	10/25/2023	ND	164	82.2	200	0.791	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	169	84.5	200	0.00650	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	r: Joel Lowry			C.				100000		HLL	. TO		5 /				ANA	L19	3 KL	-WOL	.01		
								P.0	. #:														
City. Hobbs	7 W Marland							Cor	npany	Spu	ır Energy	Partners	1										
City: Hobbs	State:	NM Zi	p: 88	3240)			Attr			Cathy Pur												
Phone #: (57	5) 264-9884 Fax #:							-	dress:	4"			1										
Project #: 180	74 Project	Owner:	Sp	our E	nergy	Part	ners	City	/: =														
Project Name:	Holstun SWD #1							Sta	te: NA	A Zi	p:			TPH (8015M)	BTEX (8021B)								
Project Location	n:							Pho	one #:			100	Chloride	801	(80)								
Sampler Name:	Martin Sepulvedo							Fax	#:	1		10000	S	H	Ä	,							
FOR LAB USE ONLY			Т	Т	M	ATRI	X		PRESER	RV.	SAMPLI	NG	1	F	<u>B</u>								
HB5853 Lab I.D.	Sample I.D.	DAG OR (C) OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME											
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analyses. All claims includissorice. In no event shall claims affiliates or successors arising the shall claim	nd Damages. Cardinal's liability and client's exclusive ing those for negligence and any other cause whetoor are defined by liability for incidental or consequental damaging out of or related to the performance of services he y: Date: Date:	ver shall be deen ses, including with reunder by Cardi 5-23	ned well form and regular regu	hed unitation, ardiess ived	By:	in unit	ing and pilone, ich claim i	ne of the base	ed by Cardinase, or lose of dupon any of CHE	nal within of profits	30 days offer incurred by cove stated re	r completion of the state of th	he applica ries, se. ssult: lt: 1	Ye Ye	MF		Add'l	Phone Fax #:	SAF	?/ recher	nv.com).	

FORM-006 Revision 1.0

Received by OCD: 12/12/2023 11:03:11 AM

Page 4 of 4

Appendix E Regulatory Correspondence

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Tuesday, October 10, 2023 11:21 AM

To: Tamarah Kendrick; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Cc: Lance Crenshaw; Ben Arguijo; Joel Lowry; katherine.purvis@spurenergy.com

Subject: RE: [EXTERNAL] nAPP2310735633 - Sampling Notification - Spur Energy Partners -

Holstun SWD #001

Categories: NMOCD

Some people who received this message don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

Good morning Tamarah,

The OCD has received your notification. Please include the anticipated time sampling will commence in future emails. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.govhttp://www.emnrd.state.nm.us/OCD/

From: Tamarah Kendrick <tamarah@etechenv.com>

Sent: Tuesday, October 10, 2023 7:49 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Lance Crenshaw <lance@etechenv.com>; Ben Arguijo <bena@etechenv.com>; Joel Lowry <joel@etechenv.com>;

katherine.purvis@spurenergy.com

Subject: [EXTERNAL] nAPP2310735633 - Sampling Notification - Spur Energy Partners - Holstun SWD #001

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This email serves as notice Etech intends to begin confirmation sampling for the following reportable release site beginning 10/13/2023.

nAPP2310735633 - Holstun SWD #001

Confirmation sampling will continue throughout the remediation process as required and/or necessary.

If you have any questions or need any additional information, please feel free to contact Joel Lowry by phone or email:

Joel Lowry Etech Environmental Phone: 432-466-4450 joel@etechenv.com

Tamarah Kendrick

Project Coordinator ETech - Environmental and Safety Solutions 2617 W. Marland Blvd Hobbs, NM 88240



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**

QUESTIONS

Action 293501

QUESTIONS

Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	293501
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2310735633
Incident Name	NAPP2310735633 HOLSTUN SWD #001 @ 30-015-21141
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-21141] HOLSTUN SWD #001

Location of Release Source								
Please answer all the questions in this group.								
Site Name	HOLSTUN SWD #001							
Date Release Discovered	04/15/2023							
Surface Owner	Private							

Incident Details							
Please answer all the questions in this group.							
Incident Type	Release Other						
Did this release result in a fire or is the result of a fire	No						
Did this release result in any injuries	No						
Has this release reached or does it have a reasonable probability of reaching a watercourse	No						
Has this release endangered or does it have a reasonable probability of endangering public health	No						
Has this release substantially damaged or will it substantially damage property or the environment	No						
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No						

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Human Error Valve Crude Oil Released: 17 BBL Recovered: 16 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Human Error Valve Produced Water Released: 16 BBL Recovered: 15 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	CASING VALVES WERE LEFT OPEN RELEASING AN OIL & PRODUCED WATER MIX ONTO THE LOCATION PAD

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

QUESTIONS, Page 2

Action 293501

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Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	293501
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	

No, according to supplied volumes this does not appear to be a "gas only" report.
Yes
From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

nitial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

Name: Katherine Purvis
Title: EHS Coordinator
Email: katherine.purvis@spurenergy.com

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

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 293501

QUESTIONS (continued)

Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	293501
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be ந	provided to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil co	ntamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully delineate	ed Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for ea	ach, in milligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	720
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	14.8
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes which includes the anticipated timelines for beginning and completing the remediation	s completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, 1.
On what estimated date will the remediation commence	10/13/2023
On what date will (or did) the final sampling or liner inspection occur	10/16/2023
On what date will (or was) the remediation complete(d)	10/31/2023
What is the estimated surface area (in square feet) that will be reclaimed	1 0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediate	ed 4000
What is the estimated volume (in cubic yards) that will be remediated	1884
These estimated dates and measurements are recognized to be the best guess or calculated to be the best guess.	lation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have to be minimally ac	djusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 4

Action 293501

QUESTIONS (continued)

Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	293501
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation

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.

I hereby agree and sign off to the above statement

Name: Katherine Purvis Title: EHS Coordinator

Email: katherine.purvis@spurenergy.com

Date: 12/12/2023

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 293501

QUESTIONS (continued)

Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	293501
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 293501

QUESTIONS (con	tinuea)
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Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	293501
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	293493
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/13/2023
What was the (estimated) number of samples that were to be gathered	25
What was the sampling surface area in square feet	4000

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4000
What was the total volume (cubic yards) remediated	1884
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	N/A

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

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

I hereby agree and sign off to the above statement

Name: Katherine Purvis
Title: EHS Coordinator

Email: katherine.purvis@spurenergy.com

Date: 12/12/2023

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QUESTIONS, Page 7

Action 293501

QUESTIONS (continued)

Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	293501
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	No	

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CONDITIONS

Action 293501

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	293501
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2310735633 HOLSTUN SWD #001, thank you. This Remediation Closure Report is approved. The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical.	3/20/2024
rhamlet	Pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. A revegetation report will not be accepted until the release area, including areas reasonably needed for production or drilling activities, are complete. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil.	3/20/2024
rhamlet	Information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/20/2024