Page 1 of 138

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Site Characterization - Water Sources/Courses Determination



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Site Characterization - Lakebed, Sinkholes or Playas



Site Characterization - Occupied Permanent Residence/Institutions

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MM OCD OIL AND GAS MAP New Mexico Oil Conservation Division



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Site Characterization - Water Well Proximity Map







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Site Characterization - Wetlands



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Site Characterization - Municipality Proximity Map



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Site Characterization - Subsurface Mines



Site Characterization - Karst





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Site Characterization - 100-Year Floodplain



with Web AppBuilder for ArcGIS



Reclamation/Remediation Map



Site Characterization Report, Remediation Plan and Partial Deferral Request

Goodnight Midstream Permian, LLC COP Yeah Yeah Line Break

Lea County, New Mexico Unit Letter P, Section 23, Township 22 South, Range 34 East Latitude 32.3723116 North, Longitude 103.432373 West NMOCD Reference No. nAPP2325020061

Prepared By:

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Ben J. Arguijo

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Joel W. Lowry

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

C	
Section	ľ

PROJECT INFORMATION1	1.0
SITE CHARACTERIZATION	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE	3.0
INITIAL SITE ASSESSMENT4	4.0
BACKGROUND INFORMATION	5.0
PROPOSED REMEDIATION PLAN	6.0
DEFERRAL REQUEST	7.0
SAMPLING PLAN	8.0
TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED	9.0
RECLAMATION AND RECLAMATION PLAN 1	10.0
LIMITATIONS 1	
DISTRIBUTION1	12.0

FIGURES

Figure 1 - Topographic Map
Figure 2 - Aerial Proximity Map
Figure 3a - Site and Sample Location Map (Delineation & Deferral)
Figure 3b - Site and Sample Location Map (Current Sidewalls)

TABLES

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

APPENDICES

Appendix A - Depth to Groundwater Information

Appendix B - Soil Profile Log

Appendix C - Laboratory Analytical Reports

Appendix D - Photographic Log

1.0 **PROJECT INFORMATION**

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Goodnight Midstream Permian, LLC (Goodnight), has prepared this Site Characterization Report, Remediation Plan and Partial Deferral Request for the release site known as the COP Yeah Yeah Line Break (henceforth, "Site"). Details of the release are summarized below:

Latitude:	32.372	23116	Longitude:	-103.432373	
			ed GPS are in WGS84 forma		
			1		
Date Release Disco	vered:	9/6/2023	API # (if application of the second s	able):	
Unit Letter	Section	Township	Range	County	
Р	23	22S	34E	Lea	
urface Owner:	State F	ederal Tribal	X Private (Nam	Merchant Livestock	
		Natura a	— nd Volume of R	Palaasa	
		Nature al			
Crude Oil	Volume	Released (bbls)		Volume Recovered (bbls)	
X Produced Wat	er Volume	Volume Released (bbls) 670		Volume Recovered (bbls) 670	
	Is the co	ncentration of disso	lved chloride in the	X Yes No N/A	
	produce	d water > 10,000 m	g/L?		
Condensate Volu		Volume Released (bbls)		Volume Recovered (bbls)	
Natural Gas	Volume	Volume Released (Mcf)		Volume Recovered (Mcf)	
Other (describ	e) Volume	Volume/Weight Released		Volume/Weight Recovered	
Cause of Release:					
The release was at to an open bell hol		line rupturing while	contractor was perfe	orming maintenance. The release was limited	
	ie.				
		Iı	nitial Response		
X The source of t	the release has	s been stopped.			
X The impacted a	area has been	secured to protect hu	man health and the er	nvironment.	
	-1-1	contained via the use	e of berms or dikes al	osorbent pad, or other containment devices	
X Release materi	als have been	contained via the use	e of oering of antes, a	1 ,	

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available on the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	855 Feet
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?	X Yes 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?	Yes X 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 and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2, 4, and 5.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
855 Feet	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	-	-
	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 BACKGROUND INFORMATION

On August 3, 2023, failure of a weld on a 12-inch poly line resulted in a release. The failure occurred while adjusting the buried pipeline and associated riser to connect the newly installed COP Yeah Yeah pipeline to the Jalapeno Gathering System. The initial C-141 indicated approximately 670 barrels (bbls) of produced water were released. The release was limited to a large bell hole that had been opened up to facilitate the safe connection of a new pipeline into the system. During initial response activities, on-site hydrovacs and vacuum trucks recovered approximately 670 bbls of free-standing fluid from within the open bell hole. Fluid from the release filled the bell hole to within 3-4 feet of the surface. The original bell hole was excavated over the course of approximately two (2) weeks utilizing multiple hydrovacs due to the abundance of buried utilities including but not limited to three (3) Goodnight buried pipelines, two (2) Permian buried pipelines, one (1) Targa buried gas line, six (6) buried fiber optic lines and at least one (1) electric line. The open bell hole is bound to the south and east by above ground risers/tie-ins and associated skids consisting of SCADA equipment, multiple valves, tie-ins and solar panels.

5.0 INITIAL SITE ASSESSMENT

On September 12, 2023, Etech conducted an initial investigation at the release site. During the initial investigation, a hand auger was utilized to advance a soil bore (SP-1) in the floor of the bell hole proximate to the release point in an effort to determine the vertical extent of soil impacts. During the advancement of the hand-augered soil bore, field soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing a Photoionization Detector and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit. The hand-augered soil bore was advanced from the current floor of the excavation (~10 ft. bgs) to a depth of 13 ft. bgs. During the advancement of the soil bore, a relatively dry, thick "fat clay" layer was encountered. Two (2) soil samples (SP-1 @ 10' and SP-1 @ 13') were collected and submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of chloride concentrations which were determined to be 1,200 mg/kg and 848 mg/kg, respectively. Based on field observations and laboratory analytical results, the thick clay layer appeared to have been effective at limiting the vertical migration of contaminants.

In addition, hand-augered soil bores (NH – 1, EH -1, SH -1, and WH-1) were advanced around the edges of the open bell hole in an effort to determine if horizontal migration occurred at depth. During the advancement of the hand-augered soil bores, nine (9) soil samples (EH-1 @ 4', EH-1 @ 8', NH-1 @ 4', NH-1 @ 7', SH-1 @ 5', SH-1 @ 7', WH-1 @ 4', WH-1 @ 6' and WH-1 @ 8') were collected and submitted to the laboratory for analysis. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of SH-1 @ 5' and SH -1 @ 7', which exhibited chloride concentrations of 640 mg/kg and 1,540 mg/kg, respectively. Based on laboratory analytical results and field observations it was determined that horizontal migration of contaminants at depth may have been limited to the area characterized by sample point SH-1. Site and sample location maps are provided as Figures 3a and 3b. Soil profile logs are provided as Appendix B. A soil chemistry table is provided as Table 1. Laboratory analytical reports are provided in Appendix C.

On September 19 and 21, 2023, Etech revisited the release site in an effort to further characterize the vertical and horizontal extent of soil impacts. During the site visit, a hand auger was utilized to advance an additional soil bore (SP-1b) proximate to SP-1 and the release point. During the advancement of the soil bore, four (4) soil samples (SP-1b @ 10', SP-1b @ 12', SP-1b @ 14' and SP-1b @ 16') were collected and submitted to the laboratory for analysis of chloride concentrations, which were determined to be 2,480 mg/kg, 976 mg/kg, 752 mg/kg and 560 mg/kg, respectively. In addition, one (1) soil bore (SP-2) was advanced in the central portion of the bell hole. During the advancement of the soil bore, four (4) soil samples (SP-2 @ 10', SP-2 @ 12', SP-2 @ 14' and SP-2 @ 16') were collected and submitted to the laboratory for analysis of chloride concentrations which were determined to be 9,200 mg/kg, 352 mg/kg, 464 mg/kg and 640 mg/kg, respectively. Finally, one (1) soil bore (SP-3) was advanced in the western portion of the bell hole. During the advancement of the soil bore, three (3) soil samples (SP-3 @ 10', SP-3 @ 12' and SP-3 @ 14') were collected and submitted to the laboratory for analysis of chloride concentrations which were determined to be 2,480 mg/kg, 304 mg/kg and 432 mg/kg, respectively. Based on laboratory analytical results, the thick clay layer appeared to have been effective at limiting the vertical migration of contaminants.

In addition, sixteen (16) soil samples (ESW @ 0-4'. ESW @ 4-F, NSW-1 @ 0-4', NSW-1 @ 4-F, NSW-2 @ 0-4', NSW-2 @ 4-F, SSW-3 @ 0-4', NSW-3 @ 0-4', SSW-1 @ 0-4', SSW-1 @ 0-4', SSW-2 @ 0-4', SSW-2 @ 0-4', SSW-3 @ 0-4', SSW-3 @ 4-F, WSW-1 @ 0-4' and WSW-1 @ 4-F) were collected from the current sidewalls of the open bell hole. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were less than the laboratory method detection limit (MDL) in each of the submitted soil samples, with the exception of soil samples NSW-1 @ 0-4', NSW-1 @ 4-F and NSW-2 @ 0-4', which exhibited TPH concentrations of 15.7 mg/kg, 460 mg/kg and 103 mg/kg, respectively. Analytical results indicated chloride concentrations ranged from 160 mg/kg in soil sample SSW-2 @ 0-4' to 13,800 mg/kg in soil sample NSW-1 @ 4'-F.

Finally, deeper hand-augered soil bores (NH-1b, NH-2, NH-3, SH-1B, SH-2, SH-3 and WH-1) were advanced along the edges of the open excavation in an effort to further characterize the horizontal extent of soil impacts and investigate the potential for horizontal migration at greater depths proximate to the open bell hole. The hand-augered soil bores were advanced to depths ranging from 8 to 10 ft. bgs. During the advancement of the hand-augered soil bores, thirty (30) soil samples (NH-1B @ 2', NH-1B @ 4', NH-1(b) @ 6', NH-1(b) @ 8' NH-1(b) @ 10', NH-2 @ 2', NH-2 @ 4', NH-2 @ 6', NH-2 @ 8', NH-2 @ 10', NH-3 @ 2', NH-3 @ 4', NH-3 @ 6', NH-3 @ 8', NH-3 @ 10', SH-1B @ 2', SH-1B @ 4', SH-1B @ 6', SH-1B @ 8'-R, SH-2 @ 2', SH-2 @ 4', SH-2 @ 6', SH-2 @ 8', SH-2 @ 10', SH-3 @ 2', SH-3 @ 4', SH-3 @ 6', SH-3 @ 10' and WH-1 @ 10') were collected and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 32.0 mg/kg in soil samples SH1B @ 4' and SH-2 @ 4' to 544 mg/kg in soil sample SH-2 @ 2'. Based on laboratory analytical results from horizonal delineation soil samples it was determined impacts from the produced water release did not migrate horizontally at depth beyond the areas characterized by sample points NH-1b, NH-2, NH-3, SH-1B, SH-2, SH-3, EH-1 and WH-1.

On September 26, 2023, Etech revisited the Site in an effort to further characterize the vertical extent of soil impacts in the areas characterized by sample points SP-1, SP-2 and SP-3 with the goal of delineating to 20 ft. bgs. During the site visit, the original bore holes were re-entered with a larger diameter hand auger equipped with an extension. During the advancement of the soil bores, seven (7) soil samples (SP-1 @ 18', SP-1 @ 20', SP-2 @ 16', SP-2 @ 18', SP-2 @ 20', SP-3 @ 16' and SP-3 @ 18') were collected and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 496 mg/kg in soil sample SP-2 @ 18' to 1,550 mg/kg in soil sample SP-2 @ 16'. Elevated and unexpected chloride concentrations detected in sample points SP-2 and SP-3 (denoted in grey italics on Table 1) may be attributed to mud/material sluffing into the bore hole or the auger scraping the walls of the bore hole while attempting to collect samples at depth from within the bottom of the bell hole. The data does not appear to be representative of site conditions.

6.0 **PROPOSED REMEDIATION PLAN**

Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, Goodnight Midstream Permian, LLC, proposes the following proposed remediation plan designed to bring the Site into compliance with the NMOCD and Landowner:

•Utilizing mechanical equipment, advance the floor of the current open excavation on the north side of the subject pipeline until laboratory analytical results from excavation confirmation soil samples indicate BTEX, TPH and chloride concentrations are below the NMOCD Closure Criteria (an estimated depth of 14 to 20 feet bgs). It should be noted that this omits certain data collected on September 26, 2023, which is inferred to not be representative of site conditions.

•The sidewalls of the current open excavation will be advanced toward the north, east and west until laboratory analytical results indicate BTEX, TPH and chloride concentrations are below the conditions of the Surface Use Agreement (SUA) and the NMOCD Closure Criteria. The sidewalls of the current open excavation will be advanced toward the south and west to the maximum extent practicable given the abundance and nature of above- and below-ground utilities including, but not limited to, a line cross of two (2) Goodnight buried pipelines and one (1) Targa buried high-pressure gas line toward the west, and above ground risers and associated skids consisting of SCADA equipment, multiple valves, tie-ins and solar panels toward the south.

•Excavated material will be temporarily stockpiled on-site atop an impermeable plastic liner then transported to an NMOCDapproved surface waste facility.

•Upon completion of excavation activities, the requisite excavation confirmation and deferral characterization soil samples will be collected and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Impacted soil affected above the NMOCD Closure Criteria remaining in-situ will be further investigated and remediated upon abandoning and decommissioning the facility or upon removal of the subject surface equipment and/or during a major facility reconstruction.

•Upon receiving laboratory analytical results from excavation confirmation soil samples, backfill the excavated area with locally sourced, non-impacted "like" material.

Goodnight maintains further advancement of the excavation on the south side of the subject pipeline beneath the above ground risers/tie-ins and associated skids consisting of SCADA equipment, multiple valves, tie-ins and solar panels in the southern portion would result in a major facility deconstruction and poses a risk to human health, safety and the environment.

7.0 DEFERRAL REQUEST

Etech maintains further advancement of the excavation south of the subject pipeline would results in a major facility deconstruction and poses a risk to human health, safety and the environment. Based on laboratory analytical results of deferral characterization and delineation soil samples, Etech, on behalf of Goodnight, requests permission to defer remediation of impacted soil affected above the NMOCD Closure Criteria present on the south side of the subject pipeline, adjacent to and beneath the aboveground risers/tie-ins and associated skids consisting of SCADA equipment, multiple valves, tie-ins and solar panels in the southern portion of the remediation Site.

It is estimated that approximately 120 cubic yards (cy) of chloride-impacted soil affected above the NMOCD Closure Criteria will remain in-situ within the approximate 800 sq. ft. area. depicted in Figure 3a - Site and Sample Location Map (Delineation & Deferral). Remediation and final reclamation of chloride-impacted soil affected above the NMOCD Closure Criteria remaining in-situ will be completed in accordance with 19.15.29.12 and 19.15.29.13 NMAC upon decommissioning and abandoning the facility.

8.0 SAMPLING PLAN

Upon completion of excavation activities, representative five-point composite confirmation soil samples will be collected from the excavation sidewalls in each cardinal direction, representing no more than 50 linear feet. A minimum of **one (1)** representative five-point composite confirmation soil sample will be collected from the base of the excavated area representing every **200 square feet**. In the event further advancement of the floor and sidewalls of the excavated area is unsafe, or would require a major facility deconstruction, associated samples will be converted into deferral characterization soil samples and the area will be further delineated.

9.0 TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Partial temporary deferral is estimated to take **four (4) weeks** depending on the timeline receiving necessary approval(s) and coordination with affected operators. Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, it is estimated that approximately **980 cy** of impacted soil is in need of removal.

10.0 RECLAMATION AND RECLAMATION PLAN

Upon receiving laboratory analytical results from excavation confirmation and deferral characterization soil samples, excavated areas will be backfilled with locally-sourced, non-impacted "like" material placed at or near original relative positions. Excavation backfill will be compacted and contoured to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Upon backfilling the excavated area, the affected areas not within the facility boundaries will be reseeded with a landowner-approved seed mixture.

Upon decommission and abandoning the facility in accordance with applicable regulatory guidelines and/or conditions of the SUA, whichever is more stringent, impacted soil affected above the NMOCD Closure Criteria and conditions of the SUA remaining in-situ will be excavated and transported to an NMOCD-approved surface waste facility for disposal. Upon excavating impacted soil affected above the NMOCD Closure Criteria and conditions of the SUA remaining in-situ the excavated area will be backfilled with locally-sourced, non-impacted "like" material placed at or near original relative positions and compacted and contoured to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

11.0 LIMITATIONS

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

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

12.0 DISTRIBUTION

Goodnight Midstream Permian, LLC 5910 N Central Expy Suite 800 Dallas, TX 75206

New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 1 1220 South St. Francis Drive Santa Fe, NM 87505

(Electronic Submission)

Figure 1 Topographic Map

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Figure 2 Aerial Proximity Map

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Figure 3 Site and Sample Location Mapu




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

					Tab						
			Concer				Chloride i	in Soil			
					nt Midstre						
					Yeah Yea						
					D Ref. #: n	APP2325	020061		1		
	CD Closure C			10	50	-	-	-	-	100	600
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600
				SW 840	5 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO	DRO	GRO + DRO	ORO	ТРН	Chloride
		(rect)	Status	(mg/kg)	(mg/kg)	C ₆ -C ₁₀ (mg/kg)	C ₁₀ -C ₂₈ (mg/kg)	C6-C28	C ₂₈ -C ₃₆ (mg/kg)	C ₆ -C ₃₆ (mg/kg)	(mg/kg)
				Haritan	al Dallaraa	,		(mg/kg)	((
NIL $1 \odot 4!$	0/12/2022	4	L. Cita		al Delinea		-	<20.0	<10.0	<20.0	269
NH - 1 @ 4'	9/12/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
NH - 1 @ 7'	9/12/2023	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
	9/19/2023	2	In-Situ	-	-	-	-	-	-	-	48.0
NH - 1 B @ 4'		4	In-Situ	-	-	-	-	-	-	-	160
	9/21/2023	6	In-Situ	-	-	-	-	-	-	-	320
	9/21/2023	8	In-Situ	-	-	-	-	-	-	-	448
NH - 1(b) @ 10' NH - 2 @ 2'	9/21/2023 9/19/2023	10 2	In-Situ In-Situ	-	-	-	-	-	-	-	336 112
	9/19/2023	4	In-Situ In-Situ	-	-	-	-	-	-	-	112
NH - 2 @ 4' NH - 2 @ 6'	9/19/2023	4	In-Situ In-Situ	-	-	-	-	-	-	-	288
		-		-	-	-	-	-	-	-	
NH - 2 @ 8'	9/21/2023	8 10	In-Situ	-	-	-	-	-	-	-	256
NH - 2 @ 10'	9/21/2023		In-Situ In-Situ	-	-	-	-	-	-	-	176
NH - 3 @ 2' NH - 3 @ 4'	9/19/2023	2		-	-	-	-	-	-	-	192
NH - 3 @ 4 NH - 3 @ 6'	9/19/2023 9/21/2023	4	In-Situ In-Situ	-	-	-	-	-	-	-	80.0 208
NH - 3 @ 8'	9/21/2023	8	In-Situ In-Situ	-	-	-	-	-	-	-	208
NH - 3 @ 8 NH -3 @ 10'	9/21/2023	0 10	In-Situ In-Situ		-	-	-	-	-	-	224
EH - 1 @ 4'	9/21/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
EH - 1 @ 4 EH - 1 @ 8'	9/12/2023	8	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	170
SH - 1 @ 5'	<u>9/12/2023</u> <u>9/12/2023</u>	5	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
SH - 1 @ 7'	9/12/2023	7	In-Situ	< 0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,540
SH - 1B @ 2'	9/19/2023	2	In-Situ	-0.050	<0.300	<10.0	<10.0	~20.0	<10.0	< <u>-</u> -	272
	9/19/2023	4	In-Situ			_	-	_	_	-	32.0
SH - 1B @ 4 SH - 1B @ 6'	9/19/2023	6	In-Situ				-				128
		8	In-Situ	-	-	-	-	-	-	-	256
SH - 2 @ 2'	9/19/2023	2	In-Situ		-	-	-	-	-	-	544
SH - 2 @ 2 SH - 2 @ 4'	9/19/2023	4	In-Situ	-	-	-	-	_	_	_	32.0
SH - 2 @ 4 SH - 2 @ 6'	9/19/2023	6	In-Situ	_	-	_	_	_	_		176
SH - 2 @ 8'	9/19/2023	8	In-Situ	-	-	-	-	-	-	-	304
SH - 2 @ 0 SH - 2 @ 10'	9/19/2023	10	In-Situ		_	_	-	_	_	<u> </u>	416
SH - 3 @ 2'	9/19/2023	2	In-Situ	_	_	_	_	_	_	_	160
SH - 3 @ 4'	9/19/2023	4	In-Situ	-	-	-	-	_	-	-	272
SH - 3 @ 6'	9/19/2023	6	In-Situ	_	-	_	-	_	_	-	256
SH - 3 @ 8'	9/19/2023	8	In-Situ	_	-	_	-	_	_	-	230
SH - 3 @ 10'	9/19/2023	10	In-Situ	-	-	_	-	-	_	-	240
WH - 1 @ 4'	9/12/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WH - 1 @ 6'	9/12/2023	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WH - 1 @ 8'	9/12/2023	8	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
	9/12/2023	10	In-Situ	-	-	-	-		-		160
	11112023	10	in Situ	_	_	-	-	-	-	-	100

•

					Tab						
							Chloride i	n Soil			
					t Midstre						
					Yeah Yea						
		•. •) Ref. #: n	APP2325	020061				
	CD Closure C			10	50	-	-	-	-	100	600
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600
				SW 840	5 8021B		SW	846 8015M GRO +	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO	DRO	DRO	ORO	ТРН	Chloride
		(1000)	Status	(mg/kg)	(mg/kg)	C ₆ -C ₁₀ (mg/kg)	C ₁₀ -C ₂₈ (mg/kg)	C6-C28	C ₂₈ -C ₃₆ (mg/kg)	C ₆ -C ₃₆ (mg/kg)	(mg/kg)
				Vortice	l Dolinati		,	(mg/kg)			
SD 1 @ 10!	9/12/2023	10	In-Situ	<0.050	l Delinati	<10.0	<10.0	<20.0	<10.0	<30.0	1 200
SP 1 @ 10' SP 1 @ 13'	9/12/2023	10	In-Situ In-Situ	<0.030	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,200 848
	9/12/2023	10	In-Situ In-Situ	<0.030							
	9/19/2023	10	In-Situ In-Situ	<0.030	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,480 976
<u> </u>	9/19/2023 9/19/2023	12	In-Situ In-Situ	-	-	-	-	-	-	-	976 752
SP - 1 B @ 14 SP - 1 B @ 16'	9/19/2023	14	In-Situ In-Situ	-	-	-	-	-	-	-	560
SP - 1 @ 18'	9/19/2023			-	-	-	-	-	-	-	
SP - 1 @ 18 SP - 1 @ 20'	9/26/2023	18 20	In-Situ In-Situ	-	-	-	-	-	-	-	528 560
SP - 2 @ 10'	<u>9/19/2023</u>	10	In-Situ In-Situ	< 0.050	< 0.300	-10.0	- 10.0	<20.0	-10.0	-20.0	
SP - 2 @ 10 SP - 2 @ 12'	9/19/2023	10	In-Situ In-Situ	<0.030		<10.0	<10.0		<10.0	<30.0	9,200 352
SP - 2 @ 12 SP - 2 @ 14'	9/19/2023	12	In-Situ In-Situ	-	-	-	-	-	-	-	464
SP - 2 @ 14 SP - 2 @ 16'	9/19/2023 9/19/2023	14	In-Situ In-Situ	-	-	-	-	-	-	-	640
SP - 2 @ 10 SP - 2 @ 16'	9/19/2023	16	In-Situ In-Situ	-	-	-	-	-	-	-	
SP - 2 @ 10 SP - 2 @ 18'	9/26/2023	18	In-Situ In-Situ	-	-	-	-	-	-	-	1,550 496
SP - 2 @ 20'	9/26/2023	20	In-Situ In-Situ	-	-	-	-	-	-	-	<i>1,140</i>
SP - 3 @ 10'	9/19/2023	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,480
SP - 3 @ 10	9/19/2023	12	In-Situ	<0.030	<0.300	<10.0	<10.0	~20.0	<10.0	<30.0	304
SP - 3 @ 12	9/19/2023	12	In-Situ	-	-	-	-	-	-	-	432
SP - 3 @ 16'	9/26/2023	16	In-Situ	-	-	-	-	-	-	-	736
SP - 3 @ 18'	9/26/2023	18	In-Situ	-	-	-	-	-	-	-	592
51 - 5 @ 10	9/20/2023	10	111-51111	- Curre	nt Sidewa	- 11 Soil Sar	nnles	-	-	-	J72
ESW @ 0-4'	9/19/2023	0-4	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
	9/19/2023	4-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
NSW - 1 @ 0-4'		0-4	In-Situ In-Situ	<0.050	<0.300	<10.0	15.7	15.7	<10.0	15.7	2,100
NSW -1 @ 0-4 NSW -1 @ 4'-f		4-10	In-Situ	< 0.050	< 0.300	12.6	382	395	65.4	460	13,800
NSW - 2 @ 0-4'		0-4	In-Situ In-Situ	<0.050	< 0.300	<10.0	71.3	71.3	31.4	103	1,600
NSW - 2 @ 0-4 NSW - 2 @ 4'-F		4-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,640
NSW - 2 @ 4-1 NSW - 3 @ 0-4'		0-4	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
NSW - 3 @ 4'-F		4-10	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,400
SSW - 1 @ 0-4'		0-4	In-Situ In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440
SSW - 1 @ 0-4 SSW - 1 @ 4' - F		4-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,900
SSW - 2 @ 0-4'		0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SSW - 2 @ 4' - F		4-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,880
SSW - 2 @ 4 -1		0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
SSW - 3 @ 4' - F		4-10	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,800
WSW - 1 @ 0-4'		0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
WSW - 1 @ 4' - F		4-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,560
	71712023	1-10	m-onu	0.050	-0.500	10.0	10.0	~20.0	10.0	-50.0	-,500

Dash (-): Sample not analyzed for that constituent. Bold: NMOCD Closure Criteria exceedance. Red: NMOCD Reclamation Standard exceedance. Released to Imaging: 1/26/2024 3:21:12 PM

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Appendix A Depth to Groundwater Information

Received by OCD: 1/10/2024 10:53:42 AM

Page 42 of 138



Released to Imaging: 1/26/2024 3:21:12 PM



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	replaced O=orpha	ined,	l												
& no longer serves a water right file.)	C=the fi closed)	le is							V 2=NE est to la	3=SW 4=SI rgest) (N	E) IAD83 UTM in n	neters)	(In f	eet)	
		POD Sub-		0	Q	0								v	Vater
POD Number	Code	basin	County	_	-	-		Tws	Rng	Х	Y	DistanceDe	pthWellDept		
<u>CP 01718 POD1</u>		СР	LE		3	3	24	22S	34E	647700	3582811 🌍	227	1172	855	317
<u>CP 01684 POD1</u>		СР	LE	2	1	4	23	22S	34E	646932	3583129 🌍	656	300		
<u>CP 01719 POD1</u>		СР	LE	4	4	3	24	22S	34E	648215	3582680 🌍	742	1173	838	335
<u>CP 01683 POD1</u>		СР	LE	2	3	2	23	22S	34E	646949	3583562 🌍	957	300		
<u>CP 00598 POD1</u>		СР	LE		4	1	23	22S	34E	646480	3583511* 🌍	1246	70		
<u>CP 01682 POD1</u>		СР	LE	1	2	2	23	22S	34E	647164	3583992 🌍	1268	294	42	252
											Avera	ge Depth to Wat	er:	578 fe	et
												Minimum De	epth:	42 fe	et
												Maximum De	pth:	855 fe	et
Record Count: 6															
UTMNAD83 Radiu	<u>s Search (ir</u>	<u>1 meters)</u>	<u>:</u>												
Easting (X): 64	7477.52		North	ing	(Y):	3582	2763.7:	5		Radius: 1610				
*UTM location was derived	from PLSS	- see Help													
The data is furnished by the laccuracy, completeness, reliable										derstanding th	at the OSE/ISC ma	ike no warranties,	expressed or in	nplied, concer	ming the

9/11/23 7:57 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer **Point of Diversion Summary**

				(q	larters ai	e sma	llest to	NE 3=SW o largest)		(3 UTM ir			
Well Tag NA		Number 01718 POI		Q6 2		Q4 3	Sec 24	Tws 22S		-	64770	X	¥ 582811 🍯		
	Crt	1/10 FOI	51	2		3	24	223	34	Ľ	04770	50 5.	002011		,
Driller Lice	ense:	421		Drill	er Con	npan	y:	GLI	ENI	N'S WA	TER	WELL	SERVIC	Е	
Driller Nar	me:	CORKY	GLENN												
Drill Start	Date:	05/09/20)19	Drill	Finish	ı Dat	e:	05	5/13	3/2019		Plug D	ate:		
Log File Da	ate:	06/10/20)19	PCV	V Rev I	Date						Source	:	Art	esian
Ритр Туре	e:			Pipe	Discha	arge	Size	:				Estima	ted Yiel	d: 120	GPM
Casing Size	e:	8.13		Dept	h Well	:		11	72	feet		Depth	Water:	855	feet
	Wata	r Bearing	. Stratifi	cations		То	n 1	Bottom	р	osorin	tion				
	wate	i Dearing	, Stratin	cations.		80	-	855		-		avel/Co	nglomera	ate	
						85		855 918					nglomera		
						95	-						nglomera		
		Car	ing Perfe	mation		Te	n 1	Bottom					-		
		Cas	ing ren	of actors	•	To 75	-	1172							
						73	2	11/2							
	Mete	r Number	r:	20164			I	Meter N	Mal	ke:		SEAN	1ETRICS	5	
	Mete	r Serial N	umber:	03212	352		I	Meter N	Au	ltiplier	:	1.000)		
	Num	ber of Dia	als:	8			l	Meter 7	Гур	e:		Divers	sion		
	Unit	of Measu	re:	Barrel	s 42 ga	1.]	Return	Flo	ow Per	cent:				
	Usag	e Multipli	ier:				1	Reading	g F	requen	cy:	Month	nly		
Meter I	Readin	gs (in Acr	·e-Feet)												
Read	l Date	Year	Mtr R	eading	Flag	R	dr (Comme	ent				Μ	tr Amo	unt Onlin
09/02	2/2019	2019		15042	А	ac	ł								0
04/09	9/2020	2020		15042	А	ac	ł								0
05/31	1/2020	2020		15042	А	ac	1								0
06/30	0/2020	2020		15042	А	ac	1								0
	1/2020	2020		15042	А	ac	1								0
	1/2020	2020		15042	А	ac									0
	0/2020	2020		15042	А	ac									0
	1/2020	2020		15042	A	ac									0
	0/2020	2020		15042	A	ac									0
	1/2020	2020		15042	A	ac									0
	1/2021 8/2021	2021 2021		15042 20251	A	ac								0	0 671
	8/2021	2021		20251	A A	ac								0.	0/1
	0/2021	2021		20231	A	ac								0	037
04/36		2021			A	ac								0.	0
		2021		0											
05/13	3/2021	2021 2021		0 0											
05/13 05/31		2021 2021 2021		0 0 18656	A A A	ac	1							2.	0 405

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Page	45	0	t	38
1 480	10	~		00

08/31/2021	2021	53526	А	ad
08/31/2021	2021	85398		ad
			A	
10/31/2021	2021	109132	A	ad
11/30/2021	2021	129634	A	ad
12/26/2021	2021	150430	А	ad
01/31/2022	2022	180793	А	ad
02/28/2022	2022	180794	А	ad
03/31/2022	2022	196267	А	ad
04/30/2022	2022	240915	А	ad
06/01/2022	2022	255789	А	ad
07/01/2022	2022	288319	А	ad
08/01/2022	2022	324972	А	ad
11/01/2022	2022	351870	А	WEB
12/01/2022	2022	374916	А	WEB
01/01/2023	2022	380172	А	WEB
02/01/2023	2023	380174	А	WEB
03/01/2023	2023	416655	А	WEB
04/01/2023	2023	445946	А	WEB
05/01/2023	2023	445947	А	WEB
06/01/2023	2023	478762	А	WEB
07/01/2023	2023	516581	А	WEB
08/01/2023	2023	520424	А	WEB
09/01/2023	2023	520424	А	WEB
**YTD Met	er Amounts:	Year		Amount
		2019		0
		2020		0
		2021		20.098
		2022		29.611

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.

9/11/23 7:59 AM

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POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

<u>I</u> ON	OSE POD NO CP-1718-F	•	,		WELL TAG ID NO.			OSE FILE NO(\$).		·	
OCATI	WELL OWN Merchant		Company/Glenn's	Water Well S	Service, Inc.			PHONE (OPTI) 575-398-242			20	
WELL I	WELL OWN PO Box 6	er mailing 92	ADDRESS	<u> </u>				CITY Tatum		state NM		21P 5
GENERAL AND WELL LOCATION	WELL		IITUDE	GREES 32	22	seconds 21.06	N		REQUIRED: ONE TEN	TH OF A		
ENER	(FROM GI	LON	IGITUDE	-103	25 ESS AND COMMON L	48.00	W		QUIRED: WGS 84	EREAV	AILABLE -	
1.0	1		4 Section 24, Towr								Š	
	LICENSE NO WD		NAME OF LICENSED	DRILLER	Corky Glenn				NAME OF WELL DR Glenn's V		COMPANY ell Service, Inc	
	DRILLING S 05/09		DRILLING ENDED 05/13/19	DEPTH OF CO	MPLETED WELL (FT) 1,172	BOF		LE DEPTH (FT) ,172	DEPTH WATER FIR	ST ENCO 855		
Z	COMPLETE	D WELL IS:	ARTESIAN	DRY HOL		UNCONFIN	ED)		STATIC WATER LE	vel in co 403		LL (FT)
VTI0	DRILLING F	LUID:	AIR	MUD	ADDITIVES	- SPECIFY:			<u> </u>		- 	
RM	DRILLING N	IETHOD:	7 ROTARY	HAMMER	CABLE TOO	DL 🗔	othe	R - SPECIFY:				
CASING INFORMATION	DEPTH FROM	(feet bgl) TO	BORE HOLE DIAM (inches)	(include e	MATERIAL AND/O GRADE ach casing string, an ections of screen)	ıd (CONN	ASING VECTION YPE ling diameter)	CASING INSIDE DIAM. (inches)	TH	ING WALL ICKNESS (inches)	SLOT SIZE (inches)
& CA	0	40	20"		3 Sch 40 Steel 16" C			None	15.5		.25	
ŮZ	0	800	14.75"	API Steel Gr	ade J-55/K-55 10.75	" OD 🔤	hread	l & Collar	10.05		.35	
2. DRILLING &	752	1,172	9.875"		ng 8 5/8" / 8.625" Ol Bottom 378 Perfora		Pla	in End	8.125		.25	1/8"
	DEPTH	(feet bgI)	BORE HOLE	LIS	T ANNULAR SEA	L MATERI	AL A	ND	AMOUNT		METHO	
IAL	FROM	TO	DIAM. (inches)	GRAV	ZEL PACK SIZE-RA		INTE	RVAL	(cubic feet)		PLACEM	
ATEI	0	40' 800'	20"	Float	Cemer		28 B	arrels	2 yards 345 Sacks Pump	ed	Top Po Circulat	
ANNULAR MATERIAL									2. C Same I drip			
3.			· · · · · · · · · · · · · · · · · · ·									

FOR OSE INT	ERNAL USE		WR-20 WELL	RECORD & I	OG (Version 06/30/17)
FILE NO.	CP-INIR	POD NO.	TRN NO.	62	18247
LOCATION	225.3HE. 24.3.3.2	EXPL_	WELL TAG ID NO.	NA	PAGE 1 OF 2

Page	47	of	138
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	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE: (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
h	0	5	5	Sand	Y V N	
-	5	25	20	Caliche	Y ✓ N	
-	25	125	100	Sand & Red Clay	Y ✓ N	
F	125	550	425	Red Clay & Shale	Y √ N	
Ì	550	800	250	Red Shale & Clay	Y ✓ N	
-	800	855	55	Sandrock & Shale	✓ Y N	
	855	918	63	Sandrock & Shale	✓ Y N	
5	918	950	32	Sandrock& Blue & Red Shale	Y N	
3	950	1,139	189	Sand	Y N	120.00
5	1,139	1,172	33	Red Shale	Y V N	
ŝ					Y N	· · · ·
5					Y N	
Ž					Y N	
	· · ·				Y N	
-					Y N	
					Y N	
					· Y N	
- F	· ·				Y N	
1					Y N	
					Y N	
					Y N	
			1 1			
	METHOD U			OF WATER-BEARING STRATA: BAILER OTHER – SPECIFY:	TOTAL ESTIMATED WELL YIELD (gpm):	120.00
			IR LIFT	BAILER OTHER – SPECIFY:	WELL YIELD (gpm):	METHOD,
	PUMI WELL TES	P 🗹 A T TEST STAR	IR LIFT	BAILER OTHER – SPECIFY:	WELL YIELD (gpm):	METHOD,
	PUMI WELL TES	P 🗹 A T TEST STAR	IR LIFT	BAILER OTHER – SPECIFY:	WELL YIELD (gpm):	METHOD,
	PUMI WELL TES	P ZA T TEST STAR	IR LIFT	BAILER OTHER – SPECIFY: CH A COPY OF DATA COLLECTED DURING WELL TESTING, INC IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE	WELL YIELD (gpm): LUDING DISCHARGE N R THE TESTING PERIC	METHOD, DD
	PUMI WELL TES MISCELLAT PRINT NAM	P ZA T TEST STAR NEOUS INF	IR LIFT RESULTS - ATTA T TIME, END TIM ORMATION: 0' t 80(RILL RIG SUPER HEREBY CERTIFI F THE ABOVE DI	BAILER OTHER – SPECIFY: ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE 0 800' drilled with mud. 0 800' drilled with mud. 0 to 1,172' drilled with air and foam. VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELL SSCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R 0 DAYS AFTER COMPLETION OF WELL DRILLING:	WELL YIELD (gpm): LUDING DISCHARGE N R THE TESTING PERIC STRUCTION OTHER TH	METHOD, DD. AN LICENSEE
	PUMI WELL TES MISCELLAT PRINT NAM	P ZA T TEST STAR NEOUS INF IE(S) OF DI RECORD OF ERMIT HO	IR LIFT	BAILER OTHER – SPECIFY: CCH A COPY OF DATA COLLECTED DURING WELL TESTING, INC IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE 0 800' drilled with mud. 0 800' drilled with mud. 0 1,172' drilled with air and foam. VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELL ES CRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R 0 DAYS AFTER COMPLETION OF WELL DRILLING: Corky Glenn	WELL YIELD (gpm): LUDING DISCHARGE N R THE TESTING PERIC STRUCTION OTHER TH	METHOD, DD. AN LICENSEE
	PUMI WELL TES MISCELLAT PRINT NAM	P ZA T TEST STAR NEOUS INF	IR LIFT RESULTS - ATTA T TIME, END TIM ORMATION: 0' t 80(RILL RIG SUPER HEREBY CERTIFI F THE ABOVE DI	BAILER OTHER – SPECIFY: CCH A COPY OF DATA COLLECTED DURING WELL TESTING, INC IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE 0 800' drilled with mud. 0 800' drilled with mud. 0 1,172' drilled with air and foam. VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELL ES CRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R 0 DAYS AFTER COMPLETION OF WELL DRILLING: Corky Glenn	WELL YIELD (gpm): LUDING DISCHARGE N R THE TESTING PERIC STRUCTION OTHER TH	METHOD, DD. AN LICENSEE
	PUMI WELL TES MISCELLAT PRINT NAM	P ZA T TEST STAR NEOUS INF (S) OF DI RECORD OF ERMIT HO SIGNAT	IR LIFT	BAILER OTHER – SPECIFY: CCH A COPY OF DATA COLLECTED DURING WELL TESTING, INC IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE 0 800' drilled with mud. 0 800' drilled with mud. 0 to 1,172' drilled with air and foam. VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELL ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R 0 DAYS AFTER COMPLETION OF WELL DRILLING: Corky Glenn R / PRINT SIGNEE NAME	WELL YIELD (gpm): LUDING DISCHARGE N R THE TESTING PERIC STRUCTION OTHER TH	METHOD, DD. AN LICENSEE S A TRUE AND TTE ENGINEER



New Mexico Office of the State Engineer **Point of Diversion Summary**

		(quarters are 1=NW 2=N (quarters are smallest to	,	(NAD83 UI	ΓM in meters)
Well Tag	POD Number	Q64 Q16 Q4 Sec	Tws Rng	Х	Y
2062C	CP 01684 POD1	2 1 4 23	22S 34E	646932	3583129 🌍
Driller Lic	ense:	Driller Company:			
Driller Na	me:				
Drill Start	Date:	Drill Finish Date:		Plu	ıg Date:
Log File D	ate:	PCW Rcv Date:		So	urce:
Pump Typ	e:	Pipe Discharge Size:		Est	timated Yield:
Casing Siz	æ:	Depth Well:	300 feet	De	pth Water:

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9/11/23 7:59 AM

POINT OF DIVERSION SUMMARY

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78-	611829 APPRC) 2020-03-1	<u>6</u> PMT	FIN	CP-1684 POD1	Т	0	125	125
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Current P POD I	x oints of Divers Number 684 POD1	ion Well Tag 2062C	Source 6		Q4Sec Tws Rng	3 UTM in meters) X Y 6932 3583129	C Other	Location De	250
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Current P POD I <u>CP 01</u>	Number 684 POD1 x ummary Pr 01	Well Tag 2062C riority 1/23/2018	Source (Status PMT	AQ160	Q4Sec Tws Rng 4 23 22S 34E 64 Acres Diversion Pod N 0 125 CP 01 version CU Us Us Screen Scr	X Y 6932 3583129 Number	7 Other 9 • • • • • • • • • • • • • • • • • • •	Location De er Location I TION ALL T -23S. Range	Desc OWNSHIP

SUMMARY

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New Mexico Office of the State Engineer **Point of Diversion Summary**

			(q	uarters a	re smalle	2=NE 3=SW st to largest))	(NAD8	3 UTM in meters)	
Well Tag		Number				ec Tws		-	X Y	_	
NA	CP (01719 PO	D1 4	4 4	3 2	24 22S	34E	E 6482	15 3582680) 🌍	
Driller Lic	ense:	421	Dril	ler Cor	npany:	GL	ENN	'S WATER	WELL SERV	ICE	
Driller Na	me:	GLENN	, CLARK A."CO	RKY",	CE						
Drill Start	Date:	05/20/2	019 Dril	l Finisł	h Date:	0:	5/24	/2019	Plug Date:		
Log File D	ate:	06/10/2	019 PCV	V Rev]	Date:				Source:		Artesian
Pump Type	e:		Pipe	Pipe Discharge Siz					Estimated Y	ield:	100 GPM
Casing Siz		8.00	Dep	th Well	l:	1	173 1	feet	Depth Water	r :	838 feet
x									_		
	Wate	r Bearin	g Stratifications	:	Тор	Bottom	ı D	escription			
					826	857	/ Sł	nale/Mudsto	ne/Siltstone		
					857	953			ne/Siltstone		
					953	1150			avel/Conglom	erate	
					1150	1173	, Sr	nale/Mudsto	ne/Siltstone		
X		Cas	ing Perforations	s:	Тор	Bottom	ı				
					753	1173	;				
x	Mete	r Numbe	er: 20158			Meter 1	Mak	æ:	SEAMETRI	[CS	
	Meter Serial Number: 10 200 093				Meter 1	Mul	tiplier:	1.0000			
		ber of Di				Meter		-	Diversion		
		of Measu		s 42 ga	1.			w Percent:			
		e Multip		0				equency:	Monthly		
Meter 1	x	gs (in Ac									
	d Date	Year	Mtr Reading	Flag	Rdr	· Comm	ent			Mtr A	Amount Online
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	1/2020	2020	11980	A	ad						0
06/30	0/2020	2020	11980	А	ad						0
	1/2020	2020	11980	А	ad						0
08/3	1/2020	2020	11980	А	ad						0
09/30	0/2020	2020	11980	А	ad						0
10/3	1/2020	2020	11980	А	ad						0
11/30	0/2020	2020	11980	А	ad						0
12/3	1/2020	2020	11980	А	ad						0
01/3	1/2021	2021	11980	А	ad						0
02/20	0/2021	2021	0	А	ad						0
02/28	8/2021	2021	3493	А	ad						0.450
	1/2021	2021	3493	А	ad						0
	0/2021	2021	6905	А	ad						0.440
	1/2021	2021	47818	А	ad						5.273
	0/2021	2021	59007	А	ad						1.442
07/3	1/2021	2021	78515	А	ad						2.514

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Page 51 of 138

		2022 2023		40.240 27.725
		2021		33.313
		2020		0
**YTD Met	er Amounts	: Year		Amount
09/01/2023	2023	785760	А	WEB
08/01/2023	2023	785760	А	WEB
07/01/2023	2023	780574	А	WEB
06/01/2023	2023	722663	А	WEB
05/01/2023	2023	670662	А	WEB
04/01/2023	2023	670661	A	WEB
03/01/2023	2023	629574	A	WEB
02/01/2023	2022	570659	A A	WEB WEB
12/01/2022 01/01/2023	2022 2022	564473 570659	A A	WEB WEB
11/01/2022	2022	534782	A	WEB
09/01/2022	2022	534781	A	ad
08/05/2022	2022	503843	Α	ad
07/01/2022	2022	465704	А	ad
06/01/2022	2022	395948	А	ad
04/30/2022	2022	391169	А	ad
03/31/2022	2022	299273	А	ad
02/28/2022	2022	299273	А	ad
01/31/2022	2022	299247	A	ad
11/30/2021 12/26/2021	2021 2021	226335 258461	A A	ad ad
10/31/2021	2021	195376	A	ad
09/30/2021	2021	163769	А	ad
08/31/2021	2021	119887	А	ad

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9/11/23 7:59 AM

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POINT OF DIVERSION SUMMARY



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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

Z	OSE POD N CP-1719-J	D. (WELL NO POD1 ML	,	v	VELL TAG ID NO.			OSE FILE NO(S).			
OCATIG		ER NAME(S Livestock) c Company/Glenn's	Water Well Se	rvice, Inc.			PHONE (OPTI 575-398-24				
VELL L	WELL OWN PO Box 6	ER MAILING 192	3 ADDRESS	1999-1999				CITY Tatum		STATE NM	ZIP 88267	
GENERAL AND WELL LOCATION	WELL LOCATIO (FROM G	DN LA	TITUDE	EGREES 32 - -103	MINUTES 22 25	secon 16.5 28.3	i6 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84				
I. GENI												
	UCENSE NO. NAME OF LICENSED DRILLER WD 421 Corky Glenn								NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc.			
	DRILLING S 05/2							le depth (FT) ,173	DEPTH WATER FIRST ENCOUNTERED (FT) 838'			
N	COMPLETED WELL IS ARTESIAN DRY HOLE SHALLOW (UNCONFINED)						STATIC WATER LEV	VEL IN COMPLETED 405'	WELL (FT)			
ATIC	DRILLING F	LUID:	AIR	MUD	ADDITIVE	S – SPECI	IFY:					
MAG	DRILLING N	ÆTHOD:	ROTARY	HAMMER		OL	OTHE	R - SPECIFY:				
CASING INFORMATION	DEPTH FROM	(feet bgl) TO	BORE HOLE DIAM (inches)	(include eac	ATERIAL AND/(GRADE th casing string, at tions of screen)		CONN T	SING IECTION YPE	CASING INSIDE DIAM. (inches)	CASING WAL THICKNESS (inches)	L SLOT SIZE (inches)	
CA	0	40	20"		Sch 40 Steel 16" (OD	^	ing diameter)	15.5	.25		
VG 8	0	788	14.75"	API Steel Grad	le J-55/K-55 10.75	5" OD	Thread	& Collar	10.05	.35		
DRILLING &	753	1,173	9.875"		g 8 5/8" / 8.625" C lottom 378 Perfor		Pla	in End	8.125	.25	1/8"	
2. D					, , , , , , , , , , , , , , , , , , , 							
									· · · · · · · · · · · · · · · · · · ·			
										25-3 5-3 6-7		
										;		
		(feet bgl)	BORE HOLE DIAM. (inches)		ANNULAR SEA				AMOUNT		IOD OF	
RIA	FROM 0	TO 40'	20"		EL PACK SIZE-R			K¥AL	(cubic feet)		EMENT	
ATE	0	788'	14.75"	Float a	nd Shoe Cemente		face 47 B	arrels	2 yards 405 Sacks Pump		Pour	
AR M									too backo r amp			
ANNULAR MATERIAL												
З. А												
	OSE INTER	NAL USE	0 1710	·	······	17	12-24) WELL RECORD &	& LOG (Version 06	5/30/17)	
FILE LOC	NO. ATION		<u>r-1 119</u>	225.3	4E.24	<u>v</u> 1. 1.3	1 > [44	VELL TAG IE		PAC	GE 1 OF 2	

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F			· · · · · · · · · · · · · · · · · · ·			r
	DEPTH (FROM	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	8	8	Clay	Y V N	
	8	25	17	Caliche	Y √N	
	25	120	95	Sand & Red Clay	Y ✓ N	
	120	500	380	Red Clay & Shale	Y √N	
	500	728	228	Y ✓ N		
<u>ب</u>	728	788	60	Red Shale & Clay	Y √N	
4. IIYDROGEOLOGIC LOG OF WELL	788	794	6	Red Shale & Clay	Y VN	
OF	- 794	826	32	Red Shale & some Blue Clay	Y VN	
LOG	826	857	31	Blue Sand Shale	✓Y N	
	857	953	96	Red Sand & Shale	✓Y N	
FOC	953	1,150	197	Sand	✓Y N	100.00
GEO	1,150	1,173	✓Y N			
RO					Y N	·····
IIVE					Y N	
4		- 		· · · · · · · · · · · · · · · · · · ·	Y N	
				· · · · · · · · · · · · · · · · · · ·	Y N	
					Y N	
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	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
	D PUMI	>	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm)	100.00
7	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC		
RVISION		SIAK	I IIME, END IIN	IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE	R THE TESTING PERIO	D.
RVI	MISCELLA	NEOUS INF	ORMATION:			
TEST; RIG SUPEI				o 788' drilled with mud. S' to 1,173' drilled with air and foam.		
r; RI						÷
resi	PRINT NAM	E(S) OF DE	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	STRUCTION OTHER TH	
ŝ						
1				ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELI		
SIGNATURE				ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R DAYS AFTER COMPLETION OF WELL DRILLING:	ECORD WITH THE STA	TE ENGINEER
TA		-	Λ <i>Λ</i>	\sim	* -	
SIG		m h	A. Je	Corky Glenn	6 hr. 110	2
6	6	SIGNAR	JRE OF DRILLER	C / PRINT SIGNEE NAME		
I						
<u> </u>	OSE INTERN NO.	T D I	1119	POD NO. TRN NO.	L RECORD & LOG (Ver	sion 06/30/2017)
	ATION			WELL TAG ID NO.	(11 - 1	PAGE 2 OF 2
L						· · · · · · · · · · · · · · · · · · ·



New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=1 (quarters are smallest t	(NAD83 UTM in meters)						
Well Tag	POD Number	Q64 Q16 Q4 Sec	Q64 Q16 Q4 Sec Tws Rng						
20D30	CP 01683 POD1	2 3 2 23	228 34E	646949	3583562 🌍				
Driller License:		Driller Company:	Driller Company:						
Driller Na	me:								
Drill Start	Date:	Drill Finish Date:	Drill Finish Date:						
Log File D	ate:	PCW Rcv Date:	PCW Rcv Date:						
Pump Typ	e:	Pipe Discharge Size	:	Est	imated Yield:				
Casing Siz	æ:	Depth Well:	300 feet	De	pth Water:				

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POINT OF DIVERSION SUMMARY

<u>get image lis</u> t	Primary Status: Total Acres: Total Diversion: Agent: Contact:	PMT PER 0 128 ATKINS EN(JESSICA AT	GR ASS KINS	Subfile: Cause/Case: DC INC	Cross	Reference:	- Header: -	
	Owner: Contact:	MERCHANT CORKY GLI		TOCK CO ATER WELL SERV	ICE			
)ocumen	x on File							
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images <u>get</u> images		<u>)-03-16</u> PMT	FIN	CP-1683 POD1	Т	0	125	125
images get images	659858 72121 2019-	<u>10-04</u> EXP	EXP	CP 01683 POD1	Т		3	
mages <u>get</u> <u>images</u>		<u>09-21</u> EXP	EXP	CP 01683 POD1	Т		3	
images	612593 72121 2017-	<u>08-25</u> EXP	EXP	CP 01683 POD1	Т		3	
POD	Number We 1683 POD1 20E	-		4Sec Tws Rng	83 UTM in meters) X Y 46949 3583562	Other	Location De	sc
'riority S	x Summary	<u> </u>						
	Priority 12/20/201	Status 17 PMT	Ac	Diversion Pod 0 125 <u>CP 0</u>	Number 1683 POD1			
	x							
'lace of U					se Priority	Status Othe	er Location I	
Place of U	Jse Q Q 256 64 Q16 Q4Sec Ty	ws Rng Acr	es Div 0		DM 12/20/2017		ΓΙΟΝ ALL Τ -23S. R.32E	

SUMMARY

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New Mexico Office of the State Engineer **Point of Diversion Summary**

		(quarters are 1=NW 2=N (quarters are smallest to		(NAD83 UTM in meters)		
Well Tag	POD Number CP 00598 POD1	Q64 Q16 Q4 Sec 4 1 23	Tws Rng 22S 34E	X Y 646480 3583511*		
Driller Lic Driller Na		Driller Company:	UNKNOWN	1		
Drill Start	Date:	Drill Finish Date:		Plug Date:		
Log File Date:		PCW Rev Date:		Source:	Shallow	
Pump Typ	e:	Pipe Discharge Size:		Estimated Yield:	3 GPM	
Casing Siz	e: 6.63	Depth Well:	70 feet	Depth Water:		

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY

		co Office of		0	er
	vvate	er Right	Sum	imary	
WR File Number:	CP 00598	Subbasin: CP	Cross R	leference: -	
get image list Primary Purpose:	PLS NON 72-12-	-1 LIVESTOCK WATE	RING		
Primary Status:	DCL DECLARA	ΓΙΟΝ			
Total Acres:	0	Subfile: -		Heade	r: -
Total Diversion:	3	Cause/Case: -			
Owner:	THE MERCHANT L	IVESTOCK COMPAN	Y		
Documents on File			F (
Trn # Doc File	Status Act 1 2	Transaction Desc.	From/ To	Acres Divers	ion Consumptive
المعنى المعنى المعنى المعنى	<u>4-17</u> DCL PRC	CP 00598	Т	0	3
Current Points of Diversion POD Number Wo CP 00598 POD1	Q Il Tag Source 64Q16Q Shallow 4	ASec Tws Rng	UTM in meters) X Y 80 3583511*	Other Location	Desc
An () after north	ing value indicates UTM loca	ntion was derived from PLS	S - see Help		
Priority Summary					
Priority 12/31/19		cresDiversionPod Nu03CP 0059		Shallow	
x Place of Use					
Q Q 256 64 Q16 Q4Sec T	vs Rng Acres Div 0	version CU Use 3 PLS	e	Status Other Location	
Source					
Acres 0		se Priority Source	Description		
he data is furnished by the NMOSE/ISC oncerning the accuracy, completeness, re	and is accepted by the recipie iability, usability, or suitability	nt with the expressed underst	anding that the O	SE/ISC make no warran	nties, expressed or impli

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WATER RIGHT SUMMARY



New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarters	s are sma	allest to	o largest)	,	(NAD83 U	TM in meters)		
Well Tag	POE) Number	Q64 Q	16 Q4	Sec	Tws	Rng	Χ	Y		
2062A	CP (01682 POD1	1 2	2 2	23	22S	34E	647164	3583992 🌍		
Driller Lic	ense:	421	Driller C	ompar	ny:	GL	ENN'S V	WATER WE	LL SERVICE		
Driller Nai	ne:	CORKY GLENN	I								
Drill Start Date: 09/10/2019			Drill Fini	ish Dat	te:	0	9/13/202	19 Pl	Plug Date:		
Log File Date: 09/19/2019			PCW Rc	v Date	:			So	urce:	Shallow	
Pump Type:			Pipe Disc	Pipe Discharge Size:				Es	timated Yield:	15 GPM	
Casing Siz	e:	8.13	Depth W	ell:		294 feet		De	Depth Water:		
X	Wate	er Bearing Stratif	ications:	То	op l	Bottom	Desci	ription			
				2	42	56	Sands	stone/Grave	/Conglomerate		
				(58	92	Sands	stone/Grave	/Conglomerate		
				24	42	274	Shale	/Mudstone/	Siltstone		
K		Casing Perf	forations:	То	op I	Bottom	l				
					0	294	Ļ				

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9/11/23 7:59 AM

POINT OF DIVERSION SUMMARY



Environmental & Safety Solutions, Inc.

○ Well - USGS 500 Ft Radius

1000 Ft Radius

0.5 Mi Radius

USGS Well Proximity Map Goodnight Midstream Permian, LLC COP Yeah Yeah Line Break GPS: 32.372118, -103.432373 Lea County

Drafted: mag Checked: jwl

Date: 9/11/23

Released to Imaging: 1/26/2024 3:21:12 PM



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: United States

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GO

Click forNews Bulletins

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs site_no list = • 322231103262601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 322231103262601 22S.34E.23.23131

Available data for this site Groundwater: Field measurements

Lea County, New Mexico Hydrologic Unit Code 13070007 Latitude 32°22'47.6", Longitude 103°26'25.3" NAD83 Land-surface elevation 3,452 feet above NAVD88 The depth of the well is 60 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

Questions or Comments Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

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: 2023-09-11 09:55:21 EDT 0.6 0.5 nadww01

Appendix B

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<i>e</i> _{TECH})	Soil Profile							
	l & Safety Solutions,				Date:	11/8/2023				
Project: Project Numb		eah Line Break 18963	Latitude:	32.3723116	Longitudo:	-103.432373				
Project Nullib		18905		52.5725110	Longitude:	-105.452575				
Depth (ft. bgs)				Des	cription					
1										
2		Brown	Top Soil w/ Clay							
3										
5										
6										
7		Brown	Top Soil w/ Clay a	and Caliche						
8										
9										
10 11										
12		Fat Re	ddish Brown Clay							
13			· · · · · · · · · · · · · · · · · · ·							
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Appendix C Laboratory Analytical Reports



September 18, 2023

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

RE: COP YEAH YEAH LINE BREAK

Enclosed are the results of analyses for samples received by the laboratory on 09/13/23 14:41.

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.

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. Keine

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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SP 1 @ 10' (H234950-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	1200	16.0	09/14/2023	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	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Cardinal Laboratories

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Celez D. Keine

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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SP 1 @ 13' (H234950-02)

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	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	848	16.0	09/14/2023	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	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celez D. Keine

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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NH - 1 @ 4' (H234950-03)

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	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	368	16.0	09/14/2023	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	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 \$	% 49.1-14	8						

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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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NH - 1 @ 7' (H234950-04)

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	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	512	16.0	09/14/2023	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	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: EH - 1 @ 4' (H234950-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	176	16.0	09/14/2023	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	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: EH - 1 @ 8' (H234950-06)

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	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	144	16.0	09/14/2023	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	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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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:	09/13/2023	Sampling Date:	09/12/2023		
Reported:	09/18/2023	Sampling Type:	Soil		
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact		
Project Number:	18963	Sample Received By:	Dionica Hinojos		
Project Location:	RURAL LEA CO., NM				

Sample ID: SH - 1 @ 5' (H234950-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	% 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	640	16.0	09/14/2023	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	113 %	48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14							

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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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SH - 1 @ 7' (H234950-08)

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	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	1540	16.0	09/14/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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Celez D. Keine

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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: WH - 1 @ 4' (H234950-09)

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	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	% 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	144	16.0	09/14/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	116 %	48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 9	% 49.1-14	8						

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Celez D. Keine

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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: WH - 1 @ 6' (H234950-10)

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	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	144	16.0	09/14/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	124 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135 9	% 49.1-14	8						

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Celez D. Keine

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:	09/13/2023	Sampling Date:	09/12/2023
Reported:	09/18/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: WH - 1 @ 8' (H234950-11)

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	09/15/2023	ND	1.94	96.8	2.00	0.428	
Toluene*	<0.050	0.050	09/15/2023	ND	2.06	103	2.00	0.334	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.05	102	2.00	1.29	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	09/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	6 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	80.0	16.0	09/14/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	194	96.9	200	2.42	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	193	96.5	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	113 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 9	6 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Company Name: E	(575) 393-2326 FAX (575) 393-2470 Etech Environmental & Safety Solutions,	s, Inc.	BILLTO		ANALYSIS REQUEST
	Joe LOWIN .	5	P.O. #:		
ess:	2617 West Mariand State: NM	Zip: 88240	Attn:		
City: 10000			Address:		
		Goodnicht	City:	1	
ž	Jack Vark line	K	State: Zip:	15M	
Project I ocation: 9	Terri Lan Inn		Phone #:	leri (80	
molor Name:			Fax #:	РН	
	UCI UW-1	MATRIX	PRESERV. SAMPLING	_	
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP. CONTAINERS ROUNDWATER WASTEWATER GOIL DIL SLUDGE	DTHER : ACID/BASE: CE / COOL DTHER :		
59	DIN		1 52:01- X	X X X 60	2
2 20	1012	G I V	1 5721.13 ×	XXXXX	
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10	H-1041	24	V 4.12-83	x X X 00:	
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5	HICL' mages. Cardinal's liability and client's exclusive re	WH C State of the second	d in contract or tort, shall be limited to the amount paid by in writing and received by Cardinal within 30 days after co	amount paid by the client for the 30 days after completion of the applicable	
arvice. In no event shall Cardina	yees. An invariant invariant of the liable for incidental or consequential damage ice. In no event shall Cardinal be liable for incidental or consequential damage the performance of services here.	ntal damages, including without limitation, business interruptions, lo services hereunder by Cardinal, regardless of whether such claim is	ove stated reas	ons or otherwise.	N
Relinquished By:	ed By:	Third Peceived By:		Phone Kesure	No Add'l Fax #:
Refinquished By:	Date:	Received By:		lease email copy of C	Please email copy of COC and results to pm@etechenv.com.
Delivered By: (Circle One)		Sample Condition	on CHECKED BY:		

1

Relinquished By: Delivered By: (Circle One)	affiliates or successops arising out of or r Relinquished By:	LEASE NOTE: Liability and Damages. Cardinal's liability and naivess. All claims including those for negligence and any oth ervice. In no event shall Cardinal be liable for incidental or con			-	11 W#.	2349170 Lab I.D.	FOR LAB USE ONLY	Sampler Name: 70	Project Location:	=	Project #: 19963	Phone #: (575) 264-9884	City: Hobbs	Address: 2617 West Marland	Project Manager: Toe	Company Name: Etec	ARDINA 101 Eas (575)
Date:	Time:	er cli				1881	Sample I.D.		15 WAY	Len Co., Nm	ich Veah line	Project Owner:	84 Fax #:	State: NM	larland	1 Loury	Etech Environmental & Safety Solutions, Inc.	RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
Received By: Sample Cor Cool Inta	Received By:	ent's exclusive remedy for any claim arising whether based in contract or tort, shall be im cause whatsoever shall be deemed waived unless made in writing and received by Cardi cause whatsoever shall be deemed waived unless interruptions, loss of use, or loss quertal damages, including without limitation, business interruptions, loss of use, or loss - graving hours by Carding and regardless of whether such claim is based upon any - graving hours by Carding hours of the such claim is based upon any - graving hours of the carding hours of the such claim is based upon any - graving hours of the such and the such claim is based upon any - graving hours of the such and the such and the such claim is based upon any - graving hours of the such and the such as a				X	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	MATRIX			PION K J	ner: (7000/11/a L +		Zip: 88240			olutions, Inc.	ES 38240 -2476
CHECKED BY: (Initials)		ed in contract or tort, shall be limited to the amount pa e in writing and received by Cardinal within 30 days all interruptions, loss of use, or loss of profils incurred by ner such claim is based upon any of the above stated r				X 1.12.23		PRESERV. SAMPLING	1	Phone #:	State: Zip:	City:	Address:	Attn:	Company (7000/14)	P.O. #:	BILL TO	
Please emai	Phone Result: Fax Result: REMARKS:	amount paid by the client for the 30 days after completion of the appl neurred by client, its subsidiaries, ve stated reasons or otherwise.	-			2.18 X	TIME	NG	WART	nlori	de	The second secon			5	4		
all dopy of COC an	□ Yes □ No	cable				XX				(80 X (8)	1							
Please email qopy of COC and results to pm@etechenv.com. ーリ. うっ、 年1 リカ	Add'I Fax #:																ANALYSIS REQUEST	

Page 15 of 15

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20



September 22, 2023

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

RE: COP YEAH YEAH LINE BREAK

Enclosed are the results of analyses for samples received by the laboratory on 09/20/23 16:43.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SP - 1 B @ 10' (H235117-01)

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	2480	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SP - 1 B @ 12' (H235117-02)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: SP - 1 B @ 14' (H235117-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	09/21/2023	ND	432	108	400	0.00		

Sample ID: SP - 1 B @ 16' (H235117-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/21/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SP - 2 @ 10' (H235117-05)

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	9200	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SP - 2 @ 12' (H235117-06)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: SP - 2 @ 14' (H235117-07)

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	09/21/2023	ND	432	108	400	0.00	

Sample ID: SP - 2 @ 16' (H235117-08)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	09/21/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SP - 3 @ 10' (H235117-09)

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 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	2480	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories

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mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SP - 3 @ 12' (H235117-10)

Chloride, SM4500Cl-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	09/21/2023	ND	432	108	400	0.00	

Sample ID: SP - 3 @ 14' (H235117-11)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: NH 1 B @ 2' (H235117-12)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: NH 1 B @ 4' (H235117-13)

Chloride, SM4500Cl-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	09/21/2023	ND	432	108	400	0.00	

Sample ID: NH 2 @ 2' (H235117-14)

Chloride, SM4500Cl-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	09/21/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NH 2 @ 4' (H235117-15)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: NH 3 @ 2' (H235117-16)

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	09/21/2023	ND	432	108	400	0.00	

Sample ID: NH 3 @ 4' (H235117-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: WH 1 @ 10' (H235117-18)

Chloride, SM4500Cl-B	mg	/kg	Analyze	alyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 1 @ 6' (H235117-19)

Chloride, SM4500Cl-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	09/21/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SH 1 @ 8' (H235117-20)

Chloride, SM4500Cl-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	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 1 @ 10' (H235117-21)

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	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 1 B @ 2' (H235117-22)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 1 B @ 4' (H235117-23)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 1 B @ 6' (H235117-24)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/21/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SH 1 B @ 8' R (H235117-25)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 2 @ 2' (H235117-26)

Chloride, SM4500Cl-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	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 2 @ 4' (H235117-27)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 3 @ 2' (H235117-28)

Chloride, SM4500Cl-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	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 3 @ 4' (H235117-29)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/21/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SH 3 @ 6' (H235117-30)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 3 @ 8' (H235117-31)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/21/2023	ND	432	108	400	0.00	

Sample ID: SH 3 @ 10' (H235117-32)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/21/2023	ND	432	108	400	0.00	

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mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: WSW - 1 @ 0-4' (H235117-33)

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	1920	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: WSW - 1 @ 4' - F (H235117-34)

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	4560	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SSW - 1 @ 0-4' (H235117-35)

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	1440	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SSW - 1 @ 4' - F (H235117-36)

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	09/22/2023	ND	2.01	101	2.00	2.09	
Toluene*	<0.050	0.050	09/22/2023	ND	2.08	104	2.00	2.58	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.07	103	2.00	2.11	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.27	105	6.00	1.88	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	5900	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	87.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SSW - 2 @ 0-4' (H235117-37)

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	09/22/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/22/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/22/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/22/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	160	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	77.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SSW - 2 @ 4' - F (H235117-38)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	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	1880	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SSW - 3 @ 0-4' (H235117-39)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	384	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: SSW - 3 @ 4' - F (H235117-40)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	9800	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NSW - 1 @ 0-4' (H235117-41)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	2080	16.0	09/21/2023	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	09/22/2023	ND	213	106	200	6.05	
DRO >C10-C28*	15.7	10.0	09/22/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/22/2023	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NSW - 1 @ 4' - F (H235117-42)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 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	13800	16.0	09/21/2023	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*	12.6	10.0	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	382	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	65.4	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NSW - 2 @ 0-4' (H235117-43)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	1600	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	71.3	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	31.4	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	65.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.1	% 49.1-14	8						

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*=Accredited Analyte

Mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NSW - 2 @ 4' - F (H235117-44)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	4640	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NSW - 3 @ 0-4' (H235117-45)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	336	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	75.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.2	% 49.1-14	8						

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Mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NSW - 3 @ 4' - F (H235117-46)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	10400	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

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Mite Sugar

Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: ESW @ 0-4' (H235117-47)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	752	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	75.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

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Mike Snyder For 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:	09/20/2023	Sampling Date:	09/19/2023
Reported:	09/22/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: ESW @ 4' - F (H235117-48)

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	09/21/2023	ND	2.04	102	2.00	1.15	
Toluene*	<0.050	0.050	09/21/2023	ND	2.12	106	2.00	0.761	
Ethylbenzene*	<0.050	0.050	09/21/2023	ND	2.11	105	2.00	1.33	
Total Xylenes*	<0.150	0.150	09/21/2023	ND	6.41	107	6.00	0.824	
Total BTEX	<0.300	0.300	09/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	2160	16.0	09/21/2023	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	09/21/2023	ND	213	106	200	6.05	
DRO >C10-C28*	<10.0	10.0	09/21/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	09/21/2023	ND					
Surrogate: 1-Chlorooctane	88.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Mite Sugar

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



Notes and Definitions

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

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Mite Sugar

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

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	88240 -2476	1 V18/22			
Company Name: Etech Environmental		BILL TO			ANALYSIS REQUEST
Project Manager: Joel Lowry		P.O. #:		_	
Address: 2617 W Marland Blvd		Company: Coodnight Mid	Goodnight Midstream Permian, LLC	114	
City: Hobbs State: NM	Zip: 88240	Attn: Adrian Urquidi	And a second sec	and and a second	
Phone #: 575-396-2378 Fax #: 575-396-1429		Address:	and the state of the		
Project #: 18963 Project Owner:	Permian, LLC	City:	C D DU DU DU	A marked and	
Project Name: COP Yeah Yeah Line Break		State: Zip:	A NULLER	1 Yes	old in the second secon
Project Location: UL/ P Sec 23 T22S - R34E	Eural La	Phone #:	1.1111	1. C.S. 1.21.	
Sampler Name: Joel Lowry		Fax #:			
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	ING		
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Lab I.D. Sample I.D.	G)RAB OR ((CONTAINE ROUNDWA' WASTEWATE OIL ILL LUDGE	THER : CID/BASE: DE / COOL THER :	hloride	PH STEX 8021	i () jenere
SP - 1B @ 10'	X	×	×	-	
2 SP - 1B @ 12'	G 1 X	X 9/19/23	×		
10	G 1 X	X 9/19/23	×		
	-		×		
	·		×	×	
_	G (1 - X)	X 9/19/23	x >		
00	-		×-		
7 SP - 3 @ 10'	G 1 X	X 9/19/23	×	× ×	
ID SP - 3 Q 12' G PLEASE NOTE: labelity and Damages: Cardinatis liability and simple aveluation average for any draining average of the second state of the second st	G 1 X	X 9/19/23	X		
analyses. All claims including these for negligence array of the cuerk withstower any universe variance investor of the service by accessed by Cardinal within 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 portis incurred by client, its subsidiaries,	cy co very contractional services unservice unservice in unservice by an annual the service of the annual the service by the effect of the an exhibit of service by contract, which are completely of the an including without limitation, business interruptions, loss of use, or loss of profile incurred by client, its subsidiaries including without limitation, business interruptions, loss of use, or loss of profile incurred by client, its subsidiaries including without limitation.	evensy encere i venera i vonues or iou, snar ce innorato to tré amount para by the entritor the waived unless made in writing and neevierd by cardnal within 3 days after completion of the a limitation, business interruptions, loss of use, or loss of profits incurred by client, its subaidiaries.	by the client for the completion of the applicabl ent, its subsidiaries,	ē	
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	Etech Environmental Joel Lowry			P.O.	# BILL	10			ANALYS	
Address: 2617 W	2617 W Marland Blvd			Com	pany:	Goodnight Midstream Permian LLC	rmian,			
City: Hobbs	State:	Z WN	Zip: 88240	Attn:	B	idi salay sa	-		-	
Phone #: 575-396-2378		575-396-1429			Address:	A WEAT AND A WALL AND A				
Project #: 18963	Project	Project Owner:	Permian, LLC	LC City:		1994.1	- 2745			
ame:	COP Yeah Yeah Line Break			State:	e: Zip:	D T			212.2	
Project Location:	UL/ P Sec 23 T22S - R34E	4E Rural	e lea	Phone #:	ne #:		-		-	
Sampler Name:		Joel Lowry		Fax #:	#		-			
HJ351117		OMP	S ER R	MATRIX	PRESERV.	SAMPLING	~			
Lab I.D.	Sample I.D.		(G)RAB OR (C # CONTAINEF GROUNDWAT WASTEWATE SOIL	OIL OIL SLUDGE OTHER : ACID/BASE:	ICE / COOL OTHER :	DATE TIME	nn Chloride	TPH BTEX 8021	and the second	
SP	SP - 3 @ 14'		-		×	9/19/23	×			
HN NH	NH - 1B @ 2'	0	G 1 X	×	/6 X	9/19/23	×			
	NH - 1B @ 4'	0	1	×	/6 X X	9/19/23	×			
Concession Name	NH - 2 @ 2'	0		×	/6 X	9/19/23	×			
HN GI	NH - 2 @ 4'	0	G 1	×	/6 X	9/19/23	×			
HN 3	NH - 3 @ 2'		· ->		4	9/19/23	×			
	NH - 3 @ 4					SZIGLIG	< >			
HS NH	WH - 1 @ 10' SH - 1 @ 6'		G G 1	× ×	/6 X	9/19/23	× ×			
10 SH	SH - 1 @ 8'	0	- -	×	-	9/19/23	×			
PLEASE NOTE: Liability and Damages. Cardinal's liability and analyses. All claims including those for negligence and any oth service. In no event shall Cardinal be liable for incidental or cor	bility and Damages. Cardinal's liability and client's exid including those for negligence and any other cause wi shall Cardinal be liable for incidental or consequental	usive remedy for any da latsoever shall be deem lamages, including with	1 arising whether bas 1 waived unless madi t limitation, business	ed in contract or tort, sha in writing and received interruptions, loss of use	all be limited to the an by Cardinal within 30 b, or loss of profits inc	I be limited to the amount paid by the client for the y Cardinal within 30 days after completion of the a or loss of profits incurred by client, its subsidiaries.	nt for the 1 of the applicable vsidiaries,			
ariliates or successors arising out of or related to t Relinquished By: Tamarah Kendrick	he performance of	reunder by Card	nal, regardless of whether Received By:	r such daim is based u	pon any of the above	Fax R	ħ.	□ Yes □ No □ Yes □ No		7e 弗
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	Time:									
Dolivorod By: (C		7 100	Sampl	Sample Condition	CHECKED BY:	DV.				

							N12951	CHAIN-OF-CUS	Ş	-CUS	TOD	YAN	DA	FODY AND ANALYSIS REQUEST
101 E	101 East Marland, Hobbs, NM 88240	40					W12 ¹ 21							
	(575) 393-2326 FAX (575) 393-2476	176				-	111122							
	Etech Environmental		-			F	BILL TO		-			ANAL	ALYSIS	SIS REQUEST
Project Manager: Jo	Joel Lowry				P.O. #:	77	2 16 1.4			_	-	-	-	
Address: 2617 W Marland Blvd	arland Blvd			-11/5-	Company:	any:	Goodnight Midstream Permiar	stream Permian,	20		-			
City: Hobbs	State: NM	Zip:	88	88240	Attn:	Adria	Attn: Adrian Urquidi	month and opposite and a little sector	-	ALCON TANK	£ .	No. of Concession	1.1.	
Phone #: 575-396-2378	378 Fax #: 575-396-1429			63	Address:	SSS:	110112300112	and sparatic vision						
Project #: 18963	Project Owner:	6	Perm	Permian, LLC	City:		A Distance and Aller	1 NAU 1	iyan A	1	1			
Project Name: COP Y	COP Yeah Yeah Line Break				State:		Zip:	1.151 200.1	111		24 Mail	n Min	1.1	
Project Location: UL	UL/ P Sec 23 T22S - R34E - Q	Rura	~	la	Phone #:	8#		1	-	112	-	1	1917	
	bel L	~			Fax #:				_					
FOR LAB USE ONLY				MATRIX	귀	PRESERV.	V. SAMPLING	NG						
H335117		_	TER		24.		10. 10 M			1				
Lab I.D.	Sample I.D.	(G)RAB OR (# CONTAINE	GROUNDWA	WASTEWAT SOIL OIL SLUDGE	OTHER : ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	Chloride	TPH BTEX 802				
	SH - 1 @ 10'	G	1	×	_	×	9/19/23		×	-				
ପୁର SH - 1	SH - 1B @ 2'	G	-	×		×	9/19/23		×		-			
	SH - 1B @ 4'	G	-	×		×	9/19/23		×					
	SH - 1B @ 6'	G	-	×		×	9/19/23		×					
5	SH - 1B @ 8' - R	G	-	×		×	9/19/23		×					
8	@ 2'	G	-	×		×	9/19/23		×	•				
J7 SH-2@4	@ 4 ¹	G	-	×		×	9/19/23		×					
	@ 2'		-	×		×	9/19/23	-	×	-		1997		
	@4	G 1		×		×	9/19/23		×					
30 SH - 3 @ 6'	@ 6'	G	_	×	-	×	9/19/23		X					
PLEASE NOTE: Liability and Damages. Cardinal's liability and di analyses. All daims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or common affiliate or successors adding and of or ladaed to the contract or the affiliate or successors adding and of or ladaed to the contract of the	ent's exclusive reme cause whatsoever s equental damages, i	y daim aris leemed wai without limi	sing wheth ived unles litation, bu	her based in contract or s made in writing and ru siness interruptions, los	act or tort, shall be lim and received by Cardi is, loss of use, or loss	be limited Cardinal r loss of p	to the amount paid within 30 days after u rofits incurred by dis	by the client for the completion of the app ent, its subsidiaries,	licable					
Relinquished By: Tamarah Kendrick	Date:9/	Rece	Received By:	2δ Received By:	odn naspo	n any or u	THE ADOVE STATED LEAS	Phone Result: Fax Result:		□ Yes	N N	Add"	Add'l Phone #: Add'l Fax #:	** œ
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roundaning py.	Time:	Nece	SIVED	Dy. /										
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10	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	88240 2476			W19/21						
Company Name:	Etech Environmental			BI	BILL TO				AN	ANALYSIS REQUEST	
Project Manager:	Joel Lowry			P.O. #:	22,81.0		-				-
Address: 2617 V	2617 W Marland Blvd			Company:	Goodnight Midstream Permian	ream Permian,	e Dar				
City: Hobbs	State: NM	Zip: 8	88240	Attn: Adrian Urquidi	Urquidi	A Department of the second			correct,		
Phone #: 575-39	575-396-2378 Fax #: 575-39	575-396-1429		Address:	a nifetion monate a	of subsets, so and	-				
Project #: 18963	Project		Permian, LLC	City:	A State of the Party of the Par	THUN A.		1.1	Ndo		
Project Name: C(COP Yeah Yeah Line Break			State:	Zip:	Fatt (Sec)			1450		
Project Location:	UL/ P Sec 23 T22S - R34E	Lural	lea	Phone #:		No. PHY	1	0 23119			
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ts IS	SH - 3 @ 8'	G 1	×	×	9/19/23		×		_		+
	SH - 3 @ 10'	G 1	×	×	9/19/23		×				
M 52	WSW - 1 @ 0-4"	C 1	×	×	9/19/23	-	××	×			
_	WSW - 1 @ 4' - F	C 1	×	×	9/19/23		××	×			-
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Tamara		-				Fax Result:	Ves 1	Yes		Add'l Fax #:	
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Project Manager: Joel Lowry				P.O. #:	12.914		_	-	-	
Address: 2617 W Marland Blvd				Company:		Goodnight Midstream Permian, LLC	100	-	-	
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September 26, 2023

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

RE: COP YEAH YEAH LINE BREAK

Enclosed are the results of analyses for samples received by the laboratory on 09/22/23 15:07.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NH - 1 @ 6' (H235176-01)

Chloride, SM4500Cl-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	09/25/2023	ND	432	108	400	3.64	

Sample ID: NH - 1 @ 8' (H235176-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/25/2023	ND	432	108	400	3.64	

Sample ID: NH - 1 @ 10' (H235176-03)

Chloride, SM4500Cl-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	09/25/2023	ND	432	108	400	3.64	

Sample ID: NH - 2 @ 6' (H235176-04)

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	09/25/2023	ND	432	108	400	3.64	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/26/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Dionica Hinojos
Project Location:	RURAL LEA CO., NM		

Sample ID: NH - 2 @ 8' (H235176-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/25/2023	ND	432	108	400	3.64	

Sample ID: NH - 2 @ 10' (H235176-06)

Chloride, SM4500Cl-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	09/25/2023	ND	432	108	400	3.64	

Sample ID: NH - 3 @ 6' (H235176-07)

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	09/25/2023	ND	432	108	400	3.64	

Sample ID: NH - 3 @ 8' (H235176-08)

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	09/25/2023	ND	432	108	400	3.64	

Sample ID: NH - 3 @ 10' (H235176-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/25/2023	ND	432	108	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

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Celecz D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories	ories		21,21 21,21	CHAIN-0	DF-CUS	FODY AN	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	obbs, NM 88240 X (575) 393-2476		112 12 12 12 12 12 12 12 12 12 12 12 12				
Company Name: Etech Environmental			BILL TO			ANA	ANALYSIS REQUEST
Project Manager: Joel Lowry			P.O. #: 112/12	-	_		
Address: 2617 W Marland Blvd			Company: Goodnight Midstream	lidstream		-	
City: Hobbs State:	MN	Zip: 88240	5			+	
Phone #: 575-396-2378 Fax	Fax #: 575-396-1429		Address:	by the state	August and	-	
Project #: 18963 Pro	Project Owner:	Permian, LLC	City: I I I I I I I I I I I I I I I I I I I	e er op iden		_	
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Sampler Name:	Eddie Gaytan Jr.		Fax #:	1991	Elfre		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING				
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6 NH - 2 @ 10'	-	G 1 X	X 9/21/23	×			
2 NH - 3 @ 6'	0	G 1 X	X 9/21/23	×			
NH - 3 @ 8'	0	G 1 X	X 9/21/23	×			
VI NH - 3 @ 10'	0	G 1 X	X 9/21/23	×		-	
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's e analyses. All claims including those for negligence and any other cause service. In no event shall Cardinal be liable for incidental or consequent	ent's exclusive remedy for any claim aris cause whatsoever shall be deemed wais equental damages, including without limit	volusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the whatsoever shall be deemed waived unless made in writing and received by Cational, within 30 days after completion of the applicable al damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its substainies,	in contract or tort, shall be limited to the amount pa e in writing and received by Cardinal within 30 days aft interruptions, loss of use, or loss of profits incurred by	d to the amount paid by the client for the within 30 days after completion of the applicat profits incurred by client, its subsidiaries,	de		
amilates or successors ansing out or or related to the performance of Relinquished By:	Date:	Received By:	based upon any of the above stated re	Phone Result:	□ Yes [Add'l Phone #:
Tamarah Kendrick	9/22/2023 Time: 15:07	Phin i	}	Fax Result: REMARKS:	□ Yes Email res	-	Add'I Fax #: PM@etechenv.com
Relinquished By:		Received By:					
	Time:	*		4 4			
Delivered By: (Circle One)	- 000	Sample Condition	on CHECKED BY:				
Sampler - UPS - Bus - Other:	dh1+		5				
† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 FORM-006 R 2.0	es. Please fax wri	tten changes to 575-39	3-2476	-			

Page 5 of 5



September 29, 2023

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

RE: COP YEAH YEAH LINE BREAK

Enclosed are the results of analyses for samples received by the laboratory on 09/28/23 12:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/28/2023	Sampling Date:	09/26/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Tamara Oldaker
Project Location:	RURAL LEA CO., NM		

Sample ID: SP - 1 @ 18' (H235304-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/29/2023	ND	432	108	400	3.64	

Sample ID: SP - 1 @ 20' (H235304-02)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/29/2023	ND	432	108	400	3.64	

Sample ID: SP - 2 @ 16' (H235304-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	09/29/2023	ND	432	108	400	3.64	

Sample ID: SP - 2 @ 18' (H235304-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/29/2023	ND	432	108	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/28/2023	Sampling Date:	09/26/2023
Reported:	09/29/2023	Sampling Type:	Soil
Project Name:	COP YEAH YEAH LINE BREAK	Sampling Condition:	Cool & Intact
Project Number:	18963	Sample Received By:	Tamara Oldaker
Project Location:	RURAL LEA CO., NM		

Sample ID: SP - 2 @ 20' (H235304-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	09/29/2023	ND	432	108	400	3.64	

Sample ID: SP - 3 @ 16' (H235304-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	09/29/2023	ND	432	108	400	3.64	

Sample ID: SP - 3 @ 18' (H235304-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/29/2023	ND	432	108	400	3.64	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 1/10/2024 10:53:42 AM

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Company Name:	Etech Environmental									11	1/2	8	BILL TO						ANAL	ANALYSIS		REQUEST	TS				
Project Manager:	Joel Lowry								P.O.	#		1	1.21 - 21E	-								1	_			-	\neg
Address: 2617	2617 W Marland Blvd							-	Con	Company:	iny:		Goodnight		-			-									
City: Hobbs	State: NM	Zip:	2	88240	40			-	Attn:		Adri	an	Adrian Urquidi		1												
Phone #: 575-3	575-396-2378 Fax #: 575-396-1429	1429						-	Add		ŝ	-		tion of the second		- Aller		ł	21								
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75	SP - 3 @ 18'	G	-			×					×	-	9/26/23	-	×			-		-		2					
PLEASE NOTE: Liability and Dam analyses. All claims including thos service. In no event shall Cardinal affiliates or successors arising out	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed warved unless made in writing and received by Cardinal within 30 days after completion of the a service. In no event shall Cardinal biable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliates or successors arising out of or related to the performance of services hereurder by Cardinal, negardless of whether such claim is based upon any of the above stated reasons or otherwise.	ardinal,	arising waived limitati regardl	wheth unless on, bus ess of	er base made iness i whethe	ed in cont in writing interruptic	ontrac ting au ptions	act or tort, shall be limit and received by Cardir is, loss of use, or loss of m is based upon any o	eived of use	all be by Ca e, or li pon a	limite ardina oss of	d to the I within profits the abo	laim arising whether based in contract or tort, shall be limited to the amount paid by the client for the mod waived unless made in writing and received by Cardinal within 30 days after complexition of the applicable hout limitation, business interruptions, loss of use or loss of profiles incurred by the subsidiaries, inal, regardless of whether such claims is based upon any of the above stated reasons or otherwise.	Int paid by the client for the ys after completion of the a ed by client, its subsidiaries ted reasons or otherwise.	pplicable			-				t	ŀ			ŀ	l l
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Appendix D Photographic Log



Keceived by OCD: 1/10/2024 10:53:42 AM

Meleased to Imaging: 1/26/2024 3:21:12 PM



Keceived by OCD: 1/10/2024 10:53:42 AM

Meleased to Imaging: 1/26/2024 3:21:12 PM



Keceived by OCD: 1/10/2024 10:53:42 AM

Meleased to Imaging: 1/26/2024 3:21:12 PM



Keceived by OCD: 1/10/2024 10:53:42 AM

Meleased to Imaging: 1/26/2024 3:21:12 PM



Keceived by OCD: 1/10/2024 10:53:42 AM



District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 302000

QUESTIONS	
Operator:	OGRID:
GOODNIGHT MIDSTREAM PERMIAN, LLC	372311
5910 North Central Expressway	Action Number:
Dallas, TX 75206	302000
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

nAPP2325020061
NAPP2325020061 YEAH YEAH PIPELINE LINE RUPTURE @ 0
Produced Water Release
Remediation Plan Received

Location of Release Source

Please answer all the questions in this group.	
Site Name	YEAH YEAH PIPELINE LINE RUPTURE
Date Release Discovered	09/06/2023
Surface Owner	Private

Incident Details

Please answer all the questions in this group.	
Incident Type	Produced Water Release
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 for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Repair and Maintenance Pipeline (Any) Produced Water Released: 675 BBL Recovered: 675 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Not answered.

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Page 133 of 138

QUESTIONS, Page 2

Action 302000

QUESTIONS (continued)	
Operator: OGRID:	
GOODNIGHT MIDSTREAM PERMIAN, LLC	372311
5910 North Central Expressway	Action Number:
Dallas, TX 75206	302000
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e	. gas only) are to be submitted on the C-129 form.

Initial 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	Not answered.
	diation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required eases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface ort does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Adrian Urduidi Title: HSE Representative Email: adrian.urquidi@goodnightmidstream.com

Date: 01/10/2024

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QUESTIONS, Page 3

Page 134 of 138

Action 302000

QUESTIONS (continued) Operator OGRID: GOODNIGHT MIDSTREAM PERMIAN, LLC 372311 5910 North Central Expressway Action Number Dallas, TX 75206 302000 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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. A . I . . . Al. A - I- - II

Between 500 and 1000 (ft.)
NM OSE iWaters Database Search
No
nd the following surface areas:
Greater than 5 (mi.)
Between 1 and 5 (mi.)
Between 1 and 5 (mi.)
Between ½ and 1 (mi.)
Between 500 and 1000 (ft.)
Greater than 5 (mi.)
Between ½ and 1 (mi.)
Greater than 5 (mi.)
Between ½ and 1 (mi.)
Low
Greater than 5 (mi.)
Yes

Remediation Plan

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. Requesting a remediation plan approval with this submission Yes Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination 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 delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 13800 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 460 GRO+DRO (EPA SW-846 Method 8015M) 395 BTEX (EPA SW-846 Method 8021B or 8260B) 0 (EPA SW-846 Method 8021B or 8260B) Benzene 0 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. On what estimated date will the remediation commence 09/06/2023 On what date will (or did) the final sampling or liner inspection occur 02/15/2024 On what date will (or was) the remediation complete(d) 04/15/2024 What is the estimated surface area (in square feet) that will be reclaimed 2900 What is the estimated volume (in cubic yards) that will be reclaimed 430 What is the estimated surface area (in square feet) that will be remediated 1500 What is the estimated volume (in cubic yards) that will be remediated 1170 These estimated dates and measurements are recognized to be the best guess or calculation 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 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 4

Action 302000

Operator:	OGRID:
GOODNIGHT MIDSTREAM PERMIAN, LLC	372311
5910 North Central Expressway	Action Number:
Dallas, TX 75206	302000
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS (continued)

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 OWL LANDFILL JAL [fJEG1635837366] 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 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: Adrian Urduidi Title: HSE Representative I hereby agree and sign off to the above statement Email: adrian.urquidi@goodnightmidstream.com

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.

Date: 01/10/2024

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QUESTIONS, Page 5

Action 302000

QUESTIONS (continued)	
Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC	OGRID: 372311
5910 North Central Expressway Dallas, TX 75206	Action Number: 302000
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
QUESTIONS	
Deferral Requests Only	

Defendar Kequeete entry	
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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Action 302000

QUESTIONS (continued)	
Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311 Action Number: 302000 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
QUESTIONS	
Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. No

Requesting a remediation closure approval with this submission

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CONDITIONS

Action 302000

CONDITIONS Operator: OGRID: GOODNIGHT MIDSTREAM PERMIAN, LLC 372311 5910 North Central Expressway Action Number Dallas, TX 75206 302000 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral request is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	1/26/2024