Received by OCD: 12/20/2021	1 2:48:21 PM
Form C-141	State of New Mexico
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Closure

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

Closure Report Attachment Checklist: Each of the following items	must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11 N	MAC
Photographs of the remediated site prior to backfill or photos of the must be notified 2 days prior to liner inspection)	ne liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC Dis	strict office must be notified 2 days prior to final sampling)
Description of remediation activities	
Signature: Da	ease notifications and perform corrective actions for releases which 141 report by the OCD does not relieve the operator of liability ate contamination that pose a threat to groundwater, surface water, 141 report does not relieve the operator of responsibility for s. The responsible party acknowledges they must substantially ons that existed prior to the release or their final land use in
OCD Only	
Received by: Chad Hensley	Date: 01/14/2022
Closure approval by the OCD does not relieve the responsible party of li remediate contamination that poses a threat to groundwater, surface water party of compliance with any other federal, state, or local laws and/or responsible party.	r, human health, or the environment nor does not relieve the responsible
Closure Approved by:	Date: 01/14/2022
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced

Oilfield Water Logistics SWD Operating, LLC (OWL)

Harrier Surface Line Produced Water Release

Unit Letter L2, L3, L4, Section 7, Unit Letter L1, Section 18, Township 26S, RANGE 33E

Lea County, NM

Incident Number- NRM2028334152

September 17, 2021

Prepared by

Michael Alves

Alves Oilfield Solutions, LLC.

2215 West Bender

Hobbs, NM 88240

michaelalves@alvesoilfieldsolutions.org

(575) 631-4310



TO: Mike Bratcher
Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
811S. First St.

Artesia. NM 88210

INTRODUCTION

Alves Oilfield Solutions, LLC. Was retained by BTA Oil Producers and Oilfield Water Logistics SWD Operating, LLC to delineate and remediate the site detailed herein. KJE Environmental Mgt. INC and RXSoil were also contracted to assist in the remediation of this site due to the complexity of managing three different releases. Alves Oilfield was the excavator for both companies and KJE along with RXSoil acted more as consultants on this project.

I'm writing this report as a summary to the remediation activities that took place on this release site and to clarify any miscommunication, if any was taken. This report will be able to give an informed and logical decision for backfill and any more requirements for backfill approval and closure.

GROUNDWATER FINDINGS

Initially when the groundwater search was completed by Alves Oilfield Solutions, KJE and RXSoil the only water found was 1.9 miles away and water depth was at 280'. Since groundwater results were too far away to determine groundwater levels for these releases under the rules of 19.15.11(A)(2), BTA decided to drill three wells which were left open for 72 hours to allow for reading the static water level. These readings determined groundwater to be at 81.4 feet which was the shallowest of the 3 wells. RXSoil requested the NMOCD asked for release rules fall under the 51'-100' release rule criteria.

RELEASE BACKGROUND

To simplify the complexity of this remediation the following with be a chronological point of the history of this site and what's been done. I wanted to simplify this since NMOCD, and BLM are all aware now there are multiple releases associated with this site. Below are bullet points of the release history along with remediation activities that have taken place on site.

- 5/18/2020: 1st BTA release with 276 BBL of produced water spilled & 1 BBL of crude oil with 0 BBL of any fluid recovered. The site was mapped, and the initial site assessment was completed.
- 7/13/2020: 2nd BTA release with an undetermined amount of fluid released. At the time BTA personnel in charge of reporting was out of state on another job and when notified the information was mixed up with the original release from May. The site was mapped, and the site assessment was completed.

- 10/4/2020: Oilfield Water Logistics, LLC (OWL) had a release of reported 4,800 BBL of produced water with 60 BBL recovered. The site was mapped, and a site assessment was completed. This release migrated over both of BTA's releases and some paths of its own.
- 1/5/2021: KJE (environmental consultants for OWL) submitted a workplan to NMOCD. It was sent to Christina Eads.
- 3/18/2021: Alves Oilfield Solutions (AOS) submitted a workplan to Shelly Tucker with the Bureau of Land Management after realizing the releases were on a BLM right of way
- 4/15/2021: BLM authorizes BTA to combine both releases into 1 remediation project due to the miscommunication of the 2nd release.
- 4/18/21: BLM approves AOS workplan. BLM imposes conditions of approval which covered delineation of release, and requirements prior to backfill.
- 5/6/2021: BTA & OWL agreed to combine resources and both companies take a portion
 of remediation on shared release areas. Divided as 2' to BTA and 2' to OWL (or ft by ft in
 any deep spots or horizontal excavation)
- 6/1/2021: Remediation began on all 3 releases. The release area was excavated in a 20'x20'x4' grid pattern according to KJE workplan. When sidewalls were being taken field screens showed elevated chloride samples every sample to the south which made sense since the release followed an elevation drop that ran to the south. BTA soil was stockpiled on 6ml plastic while waiting for approval on RXSoil treatment. OWL's soil was taken to their disposal, Northern Delaware Basin Landfill on NM128, which is an approved NM landfill. All manifests were included in the final closure report. Clean imported soil was brought back and stockpiled for backfill.
- 6/15/2021: BLM visited site and while looking at our field samples informed OWL that the 20'x20'x4' was not going to work and the trench need to be a trench and not squares. From this date on, the excavation was one complete trench down the ROW and sidewalls were taken every 20' on the east and west side. If a side wall came back higher than regulatory limits, the sidewall, in 20' sections, was taken back foot by foot until a clean sample was obtained. This sample was then confirmed by going 1 additional foot. Then this sample was taken to a lab for confirmation. These results will be in the final closure report.
- The area of SB 11,12,13 was excavated to 6' where contamination could be completely removed.
- 7/15/2021-8/15/21: Heavy rain took place on a few different occasions. The rain caused massive flooding and erosion. The excavation doubled in size due to erosion and flooding. The clean imported soil that was stockpiled was washed down ROW or went into the trench and washed away. The lease road was washed out in two different spots which caused an issue with being able to get oil trucks or any vehicles in or out. The roads were fixed within a few days of flooding.

- 9/2/2021: BLM came out at the request of AOS to evaluate the situation and hopefully
 give backfill approval. When BLM saw the excavation and the ergonomics of the site,
 BLM determined it was a safety issue but saw that all requirements were accomplished.
 BLM gave verbal approval and said to backfill as soon as possible
- 9/7/2021: BLM gave written approval to backfill and to remove any African Rue. All
 conditions of approval still were in effect.
- 9/13/2021: A 20ml liner was set in SB 8,9,10,16 & 17. The liner was bigger than normally anticipated. Due to the erosion, the liner had to be made bigger to properly set and seat it. Having the liner bigger though will ensure better protection from water migrating into this area.
- 9/16/2021: Work was halted by NMOCD due to the confusion of multiple reports, approvals and clerical issues by reporting parties.

CONCLUSION AND REQUEST

On behalf of BTA and OWL, I respectfully ask for approval to backfill this excavation. I also request a variance for the 20ml liner set in the referenced SB points. A 20ml liner set at 4' BGS and seated 30' total horizontally which should be sufficient separation of the vadose zone and groundwater being at 80.4'. A layer of 4' of clean imported soil on top of liner to ground surface and an additional ft that the BLM requested in these spots will give 5' of clean soil to promote healthy vegetation and give wildlife the ability to establish the natural habitat. The liner will block rainwater from migrating contamination through the vadose zone to groundwater. Instead, it will push it out and around those spots and give other areas necessary water to thrive. Under 19.15.29.14(A), this written demonstration and information provided should be sufficient evidence to grant a variance for the 20ml liner placed at this site.

The conditions of approval the BLM imposed are as follows.

- Extra backfill for areas of water settling and loss of water flow.
- River rocks places and staggered to slow to flow of water and prevent future erosion and loss of vegetation.
- Reseed with a mix of BLM 1&2 with loam and sand mix free of noxious and intrusive weeds.
- Remove and properly dispose of all African Rue with documents of proof.

The contaminated material from the BTA portion will be hauled off to an approved landfill and when all completed a closure report documenting all activities will be submitted to NMOCD and BLM for approval.

I thank you in advance for your consideration of this request and look forward to hearing from you

Michael Alves

Alves Oilfield Solutions 2215 West Bender Hobbs NM 88240

575-631-4310 Cell

michaelalves@alvesoilfieldsolutons.org

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Appendix 1ll- Groundwater report
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Appendix V- Approvals Via Email
Appendix VI- Sampling and lab data

Appendix I- C-141

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1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2126455144
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297	
Contact Name: Bob Hall	Contact Telephone: 432-682-3753	
Contact email: bhall@btaoil.com	Incident # (assigned by OCD) nAPP2126455144	
Contact mailing address: 104 S. Pecos St., Midland, TX 79701		

Location of Release Source

Latitude: 32.05929 Longitude: -103.61722

(NAD 83 in decimal degrees to 5 decimal places)

Date Release Discovered: 7/13/2020 API# (if applicable) Nearest well: Mesa B #001 API #30-029	5-30662		
Unit Letter Section Township Range County			
E 7 26S 33E Lea			
Surface Owner: State Federal Tribal Private (Name:)			

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)				
Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0 BBL		
Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0 BBL		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	⊠ Yes □ No		
Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		
Cause of Release				

A hole in the pipeline released produced water and negligible oil into and along the lease road, a gully, and onto a pipeline ROW. The volume released is not known.

Field and office personnel on duty at the time of the release did not report the spill but did mobilize a contractor to immediately respond on 7/13/2020 and subsequent days by excavating & disposing of impacted soil.

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Oil Conservation Division

Incident ID	nAPP2126455144
District RP	
Facility ID	
Application ID	

	If YES, for what reason(s) does the responsible party consider this a major release? The spill volume is unknown but is believed to be greater than 25 BBL due to the extent of the spill, which the NMOCD Rules define as a major release. otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? not recognized as a new release until preparation of the work plan for remediation.			
	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. ☑ The impacted area has been secured to protect human health and the environment. ☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☑ All free liquids and recoverable materials have been removed and managed appropriately. 				
If all the actions described above have <u>not</u> been undertaken, explain why: <u>ADDITIONAL INFORMATION</u> The impacted area due to the present release was identified in the submittal of the remedial work plans submitted to the BLM and NMOCD and merged into the NMOCD Incident # NRM2015756964. The area has been remediated in accordance with the approved work plans. A closure report is being prepared for submittal.				
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.				
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name: Bob Hall Title: Environmental Manager				
Signature: Bl. Half Date: 9/21/2021				
email: bhall@btaoil.c	Telephone: 432-682-3753			
OCD Only				
Received by:	Date:			

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State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NRM2015756964
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297	
Contact Name: Bob Hall	Contact Telephone: 432-682-3753	
Contact email: bhall@btaoil.com	Incident # (assigned by OCD) NRM2015756964	
Contact mailing address: 104 S. Pecos St., Midland, TX 79701		

Location of Release Source

Latitude: 32.05101° Longitude: -103.61744°

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Mesa B 8115 JVP #5H Produced Water Line		Site Type: Flowline			
Date Release Discovered: 5/18/2020		API# (if applicable) Nearest we	API# (if applicable) Nearest well: Mesa B #5H API #30-025-42128		
Unit Letter	Section	Township	Range	County]
М	7	26S	33E	Lea	
Surface Owner: State Federal Tribal Private (Name:)					

Nature and Volume of Release

	(s) Released (Select all that apply and attach calculations or specific	justification for the volumes provided below)
Crude Oil	Volume Released (bbls) 1 BBL	Volume Recovered (bbls) 0 BBL
Produced Water	Volume Released (bbls) 276 BBL	Volume Recovered (bbls) 0 BBL (corrected)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	⊠ Yes □ No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
~ ~ ~	·	· · · · · · · · · · · · · · · · · · ·

Cause of Release

A split in the produced water flowline released produced water into several gullies and a pipeline ROW.

The reported volume was determined by measuring the area of the "wetted" area from a drone picture. Then, using analytical data to identify an impacted depth and an estimated porosity, a calculated volume of the release was estimated to be 276 BBL of unrecovered produced water, plus negligible oil.

(9/21/2021) Correction made above to show there was no volume of Produced Water recovered as indicated originally in the statement immediately above and on the original Spill Calculation Spreadsheet.

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Incident ID	NRM2015756964	
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Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	The spill volume was greater than 25 BBL, which the NMOCD Rules define as a major
M Vac II Na	release.
∑ Yes ☐ No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	not believed to be greater than 25 BBL. However, evaluation of analytical data is being
used to estimate a gr	eater volume of a release.
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The responsible p	nary masi anaeriane the following actions immediately aniess they could create a sujery nazara mai would result in injury
The source of the rele	ease has been stopped.
☐ The impacted area ha	s been secured to protect human health and the environment.
	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
public health or the environr	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.	14 C 141 report does not reneve the operator of responsionity for compilative with any other rederat, state, or focul taws
Printed Name: Bob Hall	Title: Environmental Manager
a.	D. Compating 0/21/2021
Signature:	Date: Correction 9/21/2021
email: bhall@btaoil.co	om Telephone: 432-682-3753
-	
OCD Only	
Received by:	Date:

Responsible Party: OWL SWD Operation, LLC

District I
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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

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Release Notification

Responsible Party

OGRID: 380339

Contact Name: Mr. Phillip Sanders			Contact Telephone: 210-906-3551				
Contact email: psanders@oilfieldwaterlogistics.com			Incident # (assigned by OCD)				
Contact mailing address: 8201 Preston Road, Suite 520, Dallas, Texas 75225							
			Location	n of R	elease So	ource	
Latitude 32.0	59697		(NAD 83 in 6	decimal de	Longitude: grees to 5 decim	103.616531 nal places)	
Site Name Ha	rrier Surfac	e Line			Site Type I	Pipeline Easem	ent
Date Release	Discovered	10.4.2020 9:55an	1		API# (if app	licable): N/A	
Unit Letter	Section	Township	Range		Coun	ity	7
L2, L3, L4	7,18	26S	33E	Lea			
	Materia	Federal T	Nature ar	nd Vol		Release	e volumes provided below)
Crude Oil		Volume Release	ed (bbls)			Volume Reco	overed (bbls)
Produced	Water	Volume Release	ed (bbls): 4,800			Volume Reco	overed (bbls): 60
		Is the concentration of dissolved chloride produced water >10,000 mg/l?			e in the	X Yes \(\subseteq \) \(\text{N} \)	No
Condensa	te	Volume Released (bbls)			Volume Reco	overed (bbls)	
Natural G	as	Volume Release	ed (Mcf)			Volume Reco	overed (Mcf)
Other (de	scribe)	Volume/Weight	Released (provi	ide units))	Volume/Wei	ght Recovered (provide units)
Cause of Rele	ease: Unkno	 wn vehicle ran ov	er the pipeline, o	causing a	rupture.		

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the respon The release is larger than 25bbls.	sible party consider this a major release?
		om? When and by what means (phone, email, etc)? e BLM regarding the release on October 7, 2020.
	Initial Re	sponse
The responsible p	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
☑ The impacted area ha☑ Released materials ha	ease has been stopped. s been secured to protect human health and the secured to protect human health and the secure of berms or discoverable materials have been removed and	kes, absorbent pads, or other containment devices.
	d above have <u>not</u> been undertaken, explain w	mediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial e	fforts have been successfully completed or if the release occurred ease attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name:	required to report and/or file certain release notifient. The acceptance of a C-141 report by the Otate and remediate contamination that pose a threat a C-141 report does not relieve the operator of	est of my knowledge and understand that pursuant to OCD rules and cations and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have to groundwater, surface water, human health or the environment. In esponsibility for compliance with any other federal, state, or local laws Title: Date: 10510 Telephone: (432) 269-3735
email: \$50 Nder 500	11+16 14 17 21 2 1 2 1 1 2 1 1 C 2 1 (Q)	lelephone: (432) 264-3735
OCD Only	/	
Received by:		Date:

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Site Assessment/Characterization

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

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

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

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: HSED (RC+*)
Printed Name: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Signature: Date: 123
email: Telephone:
•
OCD Only
Received by: Date:

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.								
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)								
Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.							
☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. ☐ Extents of contamination must be fully delineated.								
Contamination does not cause an imminent risk to human health	the environment, or groundwater.							
	,							
which may endanger public health or the environment. The acceptar liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la Printed Name: Signature: email:	ertain release notifications and perform corrective actions for releases nce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of							
OCD Only								
Received by:	Date:							
Approved Approved with Attached Conditions of A	Approval							
Signature:	<u>Date:</u>							

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Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items in	nust be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11 NM	AC
Photographs of the remediated site prior to backfill or photos of the must be notified 2 days prior to liner inspection)	e liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC Distr	rict office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
I hereby certify that the information given above is true and complete to the and regulations all operators are required to report and/or file certain release may endanger public health or the environment. The acceptance of a C-1 should their operations have failed to adequately investigate and remediate human health or the environment. In addition, OCD acceptance of a C-14 compliance with any other federal, state, or local laws and/or regulations. restore, reclaim, and re-vegetate the impacted surface area to the condition accordance with 19.15.29.13 NMAC including notification to the 1900 w. Printed Name: Date Telephone Tele	ase notifications and perform corrective actions for releases which 41 report by the OCD does not relieve the operator of liability to contamination that pose a threat to groundwater, surface water, 41 report does not relieve the operator of responsibility for The responsible party acknowledges they must substantially as that existed prior to the release or their final land use in then reclamation and re-vegetation are complete.
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party of liab remediate contamination that poses a threat to groundwater, surface water, party of compliance with any other federal, state, or local laws and/or regressions.	human health, or the environment nor does not relieve the responsible
Closure Approved by:	Date:
Printed Name:	Title:

Appendix II- Sitemaps







Appendix III- Groundwater Search



September 9, 2021

NMOCD Environmental Bureau 1220 South St. Francis Drive Santa Fe, NM 87505

Re: Depth to Groundwater Determination

BTA Oil Producers Mesa Area

To Whom it May Concern

RXSoil, Inc. is pleased to submit the determination of depth to groundwater for the areas described in the report.

Sincerely,

Jace Caraway

Chief Operating Officer

RXSoil, Inc.

(940) 210-2051

Zach Robbins

Technical and Engineering Analyst

RXSoil, Inc.

(210) 400-7645

Table of Contents

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I. Background

On behalf of BTA Oil Producers, LLC, RXSoil, Inc. ("RXSoil") has prepared this document as a determination for depth to groundwater in the Mesa area (see *Figure 1*). Atkins Engineering Associates Inc. (Drilling License No. 1249) was hired for the drilling, logging, and plugging of these wells.

Assigning an approximate center point of this area to 32.0639, -103.6288, there were only two recent wells within a two-mile radius. Per the OSE POD Locations database, C 04485 POD1 is located 0.28 miles southwest of the center point and within the triangle of determination described in **Section III**. That well had a depth of 55' with no water detected and a finish date of 10/05/2020. C 04537 POD1 is located 1.90 miles northwest of the center point and outside of the determination area. That well had a depth of 500' with water detected at 280' and a finish date of 06/11/2021.

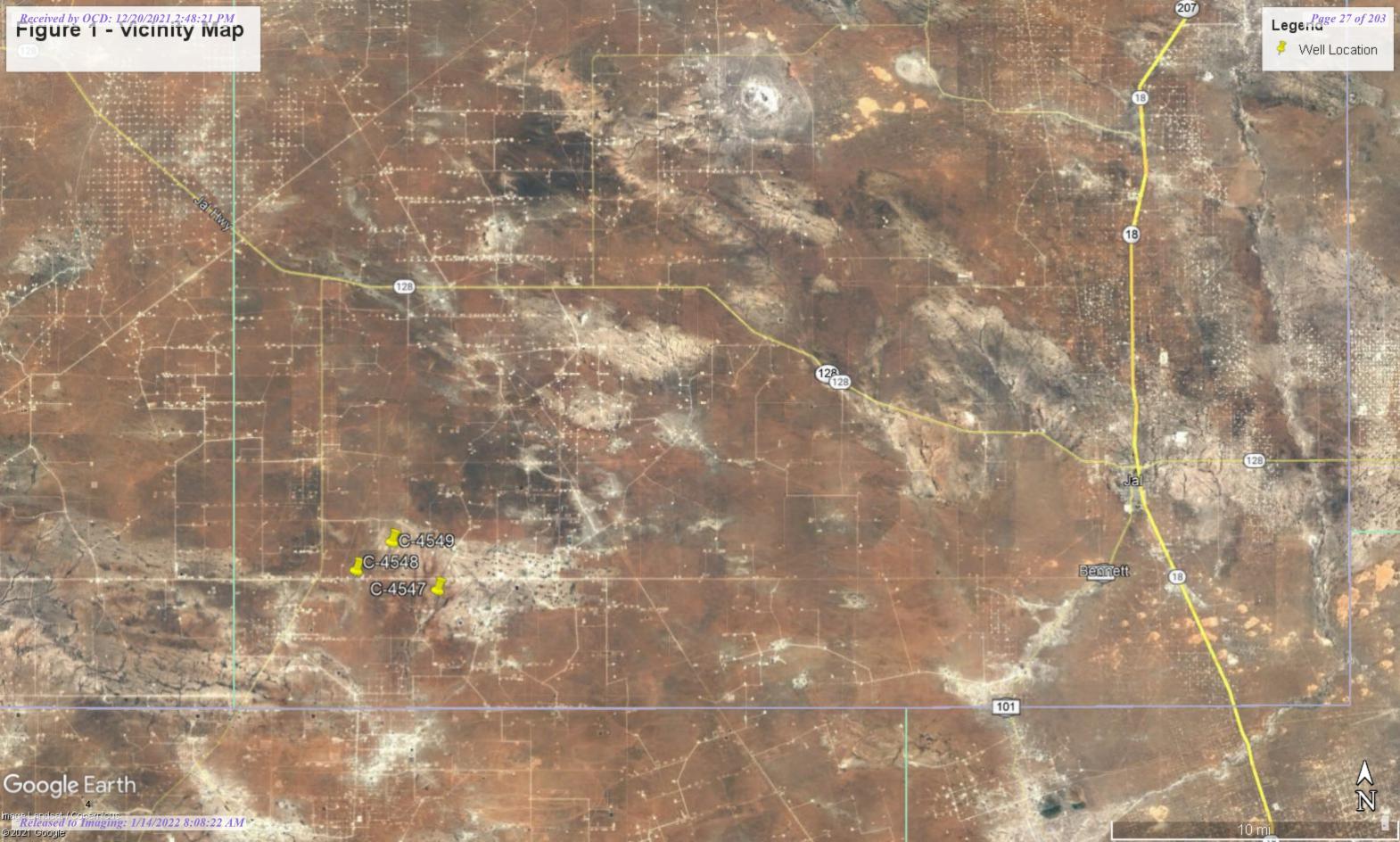
II. Findings

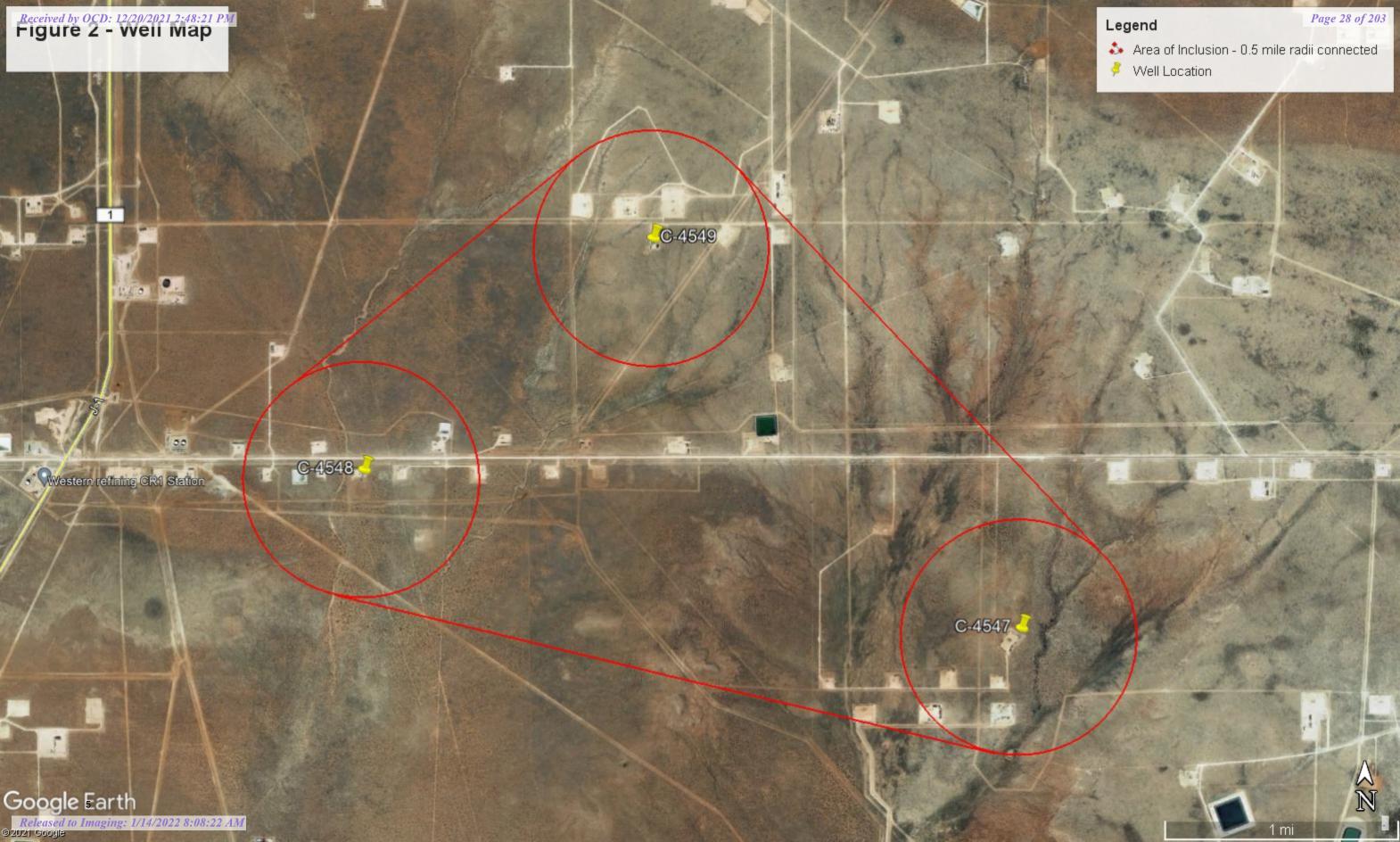
Three wells were drilled and left open for 72 hours to allow for a reading of static water level. The locations of these wells, along with the proposed area of inclusion for these determinations, are included in *Figure 2*.

OSE FILE	l	ATITUDE (N)	LC	ONGITUDE (V	BOREHOLE	STATIC		
NO.	DEGREES ⁴	MINUTES	SECONDS	DEGREES	MINUTES	SECONDS	DEPTH. FT	WATER	
NO.	DEGREES	WIINOTES	3ECOND3	DEGREES	IVIIIIOTES	3ECOND3	DEF III, I I	LEV EL, FT	
C-4547	32	3	14.34	103	36	16.96	112	89.5	
C-4548	32	3	49.57	103	39	9.68	110	81.4	
C-4549	32		40.92	103	37	53.68	103	N/A	

III. Determinations

RXSoil is requesting that based on the results from these water wells, all incidents within the triangle formed by the outer edges of the 0.5-mile radii from the water wells, as shown in *Figure 2*, will have a determined groundwater greater than or equal to 81.4 feet, the shallowest of the three wells. Remediation standards for locations with determined groundwater of 51' to 100' will be used for incidents in the described area.





APPENDIX A

WELL RECORDS



2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

07/29/2021

OSE DIT AUG 2 2021 PM2:50

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4547 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-4547 Pod1. On a BTA Oil Producers well location in Lea County, NM

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Grown Middle

Opy Y

WELL RECORD & LOG OFFICE OF THE STATE ENGINEER www.ose.state.nm.us

OSE DIT AUG 22021 PM2:50

	OSE POD NO		NO.)		W	ELL TAG ID NO				ILE NO(S).				
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ဝ	BTA Oil P	roduce	'S												
IT.			NG ADDRESS						CITY			STATE		ZIP	
WE	104 S. Pec	os St.							Midla	and		TX	79701		
Ę	WELL			DEGREES MINUTES SECONDS											
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→ NE SE SE Sec. 07 T26S R33E															
	LICENSE NO	ı.	NAME OF LIC	CENSED DR	BILLER					-	NAME OF WELL DR	ILLING C	OMPANY		
	1249 Jackie D. Atkins										Atkins Eng	ineering	Associates, I	nc.	
	DRILLING S		DRILLING EN			LETED WELL (F		BORE HOI		H (FT)	DEPTH WATER FIR				
	07/15/	2021	07/15/20	21	temporar	y well materia	ai		112			unkno			
z	COMPLETED WELL IS: ARTESIAN DRY HOLE						W (UNCON	FINED)			STATIC WATER LEV	EL IN CO 89.:		LL (FT)	
ATIO]	DRILLING FLUID: AIR MUD						/ES – SPECII	FY:							
ORM	DRILLING METHOD: ROTARY HAMMER				CABLE	OOL	OTHER - SPECIFY:			Hollow Stem Auger					
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CASING INFORMATION	FROM TO				GRADE (include each casing string, and				VECTION YPE	ON			CKNESS	SIZE	
					tions of screen	ons of screen) (add coupling di			neter)	(inches)	(inches)	(inches)		
	0	21	±8.5		Boring- HSA										
2. DRILLING &	21	112	±3.5		Boring- Air Rotary			-							
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ъ.															
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OSE DII AUG 2 2021 PM2:50

_											
	DEPTH (1	eet bgl)	THICKNESS	COLOR AN			TER	ESTIMATED YIELD FOR			
	FROM	то	(feet)		R-BEARING CAVITIES OI plemental sheets to fully de			s	BEAF (YES	NO)	WATER- BEARING
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	44	51	7	Y	√ N						
			✓ Y	N							
	51 103 52 Sandstone, Fine-grained, poorly graded, Tan Brown										-
ELL		Y	N								
HYDROGEOLOGIC LOG OF WELL	<u> </u>										
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01;									Y	N	
050									Y	N	
OTO									Y	N	
GE									Y	N	
DR(Y	N	
4. HY									Y	N	
4									Y	N	
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										N	
										N	
										N	
										N	
									Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING	STRATA:				AL ESTIN		
	PUMI	P A	IR LIFT	BAILER OT	HER – SPECIFY:			WEL	L YIELD) (gpm):	0.00
NO	WELL TES				A COLLECTED DURING VIOWING DISCHARGE AN						
VISION	MISCELLA	NEOUS INF	ORMATION: T	mnorary well materia	ls removed and the soil b	oring nl	naged using	tremie	nine to	total der	th and landed
PER			ce	ment slurry of <6.0 ga	allons of water per 94 lbs	sack of	Portland TY	PE I/I	I Neat C	ement. S	ee attached
TEST; RIG SUPER			Pl	ugging Record							
RIG											
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	Snane Eluni	ige, Camer	on Pruitt, Carm	elo Trevillo							
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SIGNATURE					D THAT HE OR SHE WILI PLETION OF WELL DRILI		THIS WELL I	ŒCOR	WITH עב	THE STA	ATE ENGINEER
VAT											
SIG	Jack A	tkins		Jac	kie D. Atkins				07/2	9/2021	
6.	<i>v</i>	SIGNAT	URE OF DRILLE	R / PRINT SIGNEE 1	NAME	-	-			DATE	
		2.3.111									
FOR	OSE INTER	NAL USE						LL REC	CORD &	LOG (Ve	rsion 06/30/2017)
—	E NO.				POD NO.		TRN NO.	_			1
LO	CATION					WELL	TAG ID NO.				PAGE 2 OF 2

2021-07-28_C-4547_POD1_OSE_Well Record and Log_mesa1-for sign

Final Audit Report 2021-07-29

-rise net al 16 2 2021 #2150

Created: 2021-07-29

By: Lucas Middleton (lucas@atkinseng.com)

Status: Signed

Transaction ID: CBJCHBCAABAA3aQOFUKeCXoHbozKpK1XeoMdl53lwclm

"2021-07-28_C-4547_POD1_OSE_Well Record and Log_mesa1 -for sign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-07-29 8:40:54 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-07-29 8:41:43 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-07-29 8:43:29 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2021-07-29 8:44:00 PM GMT Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2021-07-29 - 8:44:00 PM GMT





2904 W 2nd St. Roswell, NIM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

07/29/2021

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

OSE DIT AUG 2 2021 PM2:49

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4548 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-4548 Pod1. On a BTA Oil Producers well location in Lea County, NM

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Gran Wholen



OSE DIT AUG 2 2021 PM2:49



PLUGGING RECORD



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

State 1	Engineer Well N	umber: C-	4548-POD1						
Well	owner: BTA Oil	Producers				_ Pl	none No.: 43	2.312.2203	
Mailiı	ng address: 104	S. Pecos S	St.						
City:	Midland			State: _		Texas	S	_ Zip cod	e: <u>79701</u>
п. W	YELL PLUGGI	NG INFOI	RMATION:						
 1)	Name of well	drilling co	mpany that plugge	ed well:	ckie D. A	Atkins (Atki	ns Engineerin	g Associates	Inc.)
2)			er License No.: 1				Expir		
3)			were supervised bon Pruitt, Carmelo		ving well	driller(s)/r	ig supervisor(s):	
4)	Date well plu	gging bega	n: 07/19/2021		Date	well pluggi	ng concluded:	07/19/20	21
5)	GPS Well Lo	cation:	Latitude: Longitude:		deg, deg,		nin, 49.57 nin, 9.68	sec sec, WG	S 84
6)			at initiation of plue	igging as:	99	ft below	ground level	(bgl),	
7)	Static water l	evel measu	red at initiation of	plugging:	81.4	ft bgl			
8)	Date well plu	gging plan	of operations was	approved b	y the Sta	ite Engineer	6/24/2021	<u> </u>	
9)	Were all plug differences be	ging activi etween the	ties consistent with approved plugging	n an approv g plan and t	ed plugg he well a	ing plan? _ s it was plu	Yes gged (attach a	If not, additional pa	please describe ges as needed):
I									

Version: September 8, 2009

Page 1 of 2

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

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0'-99' Portland TYPE I/II Neat Cement Slurry	Approx. 144 gallons	82 gallons	Tremie	
_					
_					
_					
_					
_					
-					
	r.	MULTIPLY E cubic feet x 7.4 cubic yards x 201.9	3Y AND OBTAIN 805 = gallons 77 = gallons		

III. SIGNATURE:

I, Jackie D. Atkins	say	that	I am	familiar	with	the	rules	of the	e Office	of the	State
Engineer pertaining to the plugging of wells and that ea	ch a	nd all	of th	e stateme	nts in	this	Plugg	ing R	ecord and	d attach	ments
are true to the best of my knowledge and belief.											
O (1)	<i>,</i> .										

Signature of Well Driller Date

Version: September 8, 2009

Page 2 of 2

058 DIT AUG 2 2021 987:45

2021-07-28_C-4548_POD1_OSE_Well Record and Log_mesa2-forsign

Final Audit Report 2021-07-29

Created: 2021-07-29

By: Lucas Middleton (lucas@atkinseng.com)

Status: Signed

Transaction ID: CBJCHBCAABAAemiJJm6dcVKiYQ9i0g-pp8LWJNXDnRqz

"2021-07-28_C-4548_POD1_OSE_Well Record and Log_mesa2 -forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-07-29 6:34:14 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-07-29 6:35:33 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-07-29 8:10:52 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2021-07-29 8:12:07 PM GMT Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2021-07-29 - 8:12:07 PM GMT



PAGE 1 OF 2

WELL TAG ID NO.

OSE DIT AUG 2 2021 PM2:49



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Ţ	WELL OWN	ER NAME(S)					PHON	E (OPTIO	ONAL)					
20	BTA Oil P	roducers													
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EL	104 S. Pec	os St.						Midla	and		TX	79701			
*						2200	· · ·	_							
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GENERAL AND WELL LOCATION	DESCRIPTION	ON RELATI	NG WELL LOCATION TO	STREET ADDR	ESS AND COMMO	ON LANDM	IARKS – PLS	S (SECT	ION, TO	WNSHJIP, RANGE) WH	ERE AVAI	LABLE			
-	NW NE N	W Sec. 0	1 T26S R32E												
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Z	COMPLETE	D WELL IS:	ARIESIAN	DRIHOL	JNFINED)				81.4						
IIC	DRILLING FLUID: AIR MUD ADDITIVES – SPECIFY:														
MA	DRILLING M	ŒTHOD:	ROTARY	HAMMER	CABLE	TOOL	✓ OTHE	R – SPEC	CIFY:	Hollo	w Stem	Auger			
CASING INFORMATION				_			<u> </u>				_				
	DEPTH (feet bgl) BORE HOLE BOAM			CASING	MATERIAL AN GRADE	ID/OR	C.A	ASING		CASING	0.101.0 11.10.		SLOT		
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'AS		(inches)			note sections of screen) (add coup Boring- HSA					(inches)	(11	iches)	(menes)		
ತ	0	110	±8.5												
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	Dispuss	(fo et 1 -1)	1	1		DELAY 3.5:	men.			43.6073	1				
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FOR	OSE INTER	NAL USE	1						WR-20	WELL RECORD	& LOG ^	/ersion 06/30	0/17)		
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LOCATION

OSE DIT AUG 2 2021 PM2:50

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	19	24	5	Sand, Medium grained	l, poorly graded, with Grave	and cla	y, Grayish Bro	wn	Y	√ N	
	24	39	15	Sand, Medium	-Fine grained, poorly graded	l, Yellov	rish Brown		Y	√ N	
	39	44	5	Sand, Mediur	n -Fine grained, poorly grad	ed, Redi	sh Brown		Y	√N	
	44	59	15	Sand, Medium -Fine gra	ined, poorly graded, increas	ing clay	, Redish Brown	, dan	Y	✓ N	
ų	59	79	20	Clay, med/high Pla	sticity, with fine-grained sar	ıd, Dark	Redish Brown		Y	√ N	
4. HYDROGEOLOGIC LOG OF WELL	79	97	15	Clay, med/high Plastic	city, with fine-grained sand, l	Dark Re	dish Brown, me	oist	√ Y	N	
OF	97	110	13	Clay, med Plasticity, st	icky, with fine-grained sand,	Dark R	edish Brown, m	oist	√ Y	N	
DO.									Y	N	
101									Y	N	
200									Y	N	
EO]									Y	N	
ROC									Y	N	
									Y	N	
4									Y	N	
3									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING	STRATA:			TOT	AL ESTIM	IATED	
	PUMI	· A	IR LIFT	BAILER OT	HER - SPECIFY:			WEI	L YIELD	(gpm):	0.00
NO	WELL TEST	TEST :	RESULTS - ATT I TIME, END TI	ACH A COPY OF DAT. ME, AND A TABLE SH	A COLLECTED DURING VIOLENCE AND	WELL T D DRAV	ESTING, INC VDOWN OVE	LUDI R TH	NG DISC E TESTIN	HARGE N G PERIO	ÆTHOD, D.
RVISION	MISCELLAI	NEOUS INF	ORMATION: To	emporary well materia	ls removed and the soil b	oring p	ugged using	remi	e pipe to	total dep	th and landed
TEST; RIG SUPER			ce	ment slurry of <6.0 gaugging Record.	illons of water per 94 lbs	sack of	Portland TYI	PE I/I	I Neat C	ement. Se	ee attached
SIG S											
ST;]											
5. TE		` ,			VIDED ONSITE SUPERVIS	SION OI	WELL CONS	TRU	CTION O	THER TH	AN LICENSEE:
4,	Shane Eldric	lge, Camer	on Pruitt, Carm	elo Trevino							
	THE UNDER	RSIGNED H	IEREBY CERTII	TIES THAT, TO THE B	EST OF HIS OR HER KNO	WLED	GE AND BELL	EF, T	HE FORE	GOING I	S A TRUE AND
6. SIGNATURE					D THAT HE OR SHE WILL PLETION OF WELL DRILL		THIS WELL R	ECOR	D WITH	THE STA	TE ENGINEER
NAT	0 / 4/	/ ·									
SIG	Jack Ath	eins		Jac	kie D. Atkins				07/29	0/2021	
ý	-	SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE I	NAME		5 -			DATE	
FOI	R OSE INTERI	VAL USE					WR-20 WEI	L RE	CORD &	LOG (Ver	sion 06/30/2017)
	E NO.	000			POD NO.		TRN NO.				
LO	CATION					WELL	TAG ID NO.				PAGE 2 OF 2



2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

07/29/2021

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

DSE DTT AUG 2 2021 PM2:50

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4549 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-4549 Pod1. On a BTA Oil Producers well location in Lea County, NM

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Gran Middle



PLUGGING RECORD



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

State 1	Engineer Well Number	. C-4549-POD1			
Well	owner: BTA Oil Produ	cers		Phone No.:	432.312.2203
Mailir	ng address: 104 S. Pe	cos St.			
City:	Midland		State:	Texas	Zip code:
пх	YELL PLUGGING IN	EODMATION:			
1)	Name of well drilling	rection in Fortunal Pluggers in Fortuna Pluggers in Fortuna Pluggers in Fortuna Pluggers in F	ed well:	D. Atkins (Atkins Engine	ering Associates Inc.)
2)		Oriller License No.: 1			Expiration Date: 04/30/23
3)	Well plugging activ Shane Eldridge, Ca	ities were supervised l meron Pruitt, Carmelo	by the following Trevino	well driller(s)/rig supervi	isor(s):
4)	Date well plugging	began: 07/19/2021	D	ate well plugging conclu	ded: <u>07/19/2021</u>
5)	GPS Well Location	Latitude: Longitude:			0.92 sec 3.68 sec, WGS 84
6)		rmed at initiation of pl unner: weighted tape	ugging as:1	23 ft below ground le	evel (bgl),
7)	Static water level m	easured at initiation of	f plugging:r	/aft bgl	
8)	Date well plugging	plan of operations was	s approved by the	State Engineer: 6/24/	2021
9)	Were all plugging a differences between	ctivities consistent with the approved pluggin	th an approved plug plan and the w	ugging plan? Yes	If not, please describe ach additional pages as needed):

Version: September 8, 2009

Page 1 of 2

OSE DIT AUG 2 2021 PM2:50

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with 10) horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
,- - :-	0-10' Hydrated Bentonite	Approx. 15.6 gallons	15 gallons	Augers	
-	10'-103' Drill Cuttings	Approx. 148 gallons	148 gallons	Boring	
-					
8 -					
* -				ı	
				į.	
		MULTIPLY E cubic feet x 7.4 cubic yards x 201.5	BY AND OBTAIN 1805 = gallons 07 = gallons		

III. SIGNATURE:

I, Jackie D. Atkins , say that I am familiar of Engineer pertaining to the plugging of wells and that each and all of the statement are true to the best of my knowledge and belief.	with the rules of the Office of the State ats in this Plugging Record and attachments
Jack Atkins	07/28/2021

Signature of Well Driller

Date

Version: September 8, 2009

2021-07-28C-4549-POD1_Plugging Record-forsign

Final Audit Report 2021-07-29

Created: 2021-07-29

By: Lucas Middleton (lucas@atkinseng.com)

Status: Signed

Transaction ID: CBJCHBCAABAAiFUITUMQvUeHWAgcMsacioucKnSt5mzA

"2021-07-28C-4549-POD1_Plugging Record-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-07-29 8:42:26 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-07-29 8:42:53 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-07-29 8:44:10 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2021-07-29 8:44:29 PM GMT Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2021-07-29 - 8:44:29 PM GMT



PAGE 1 OF 2

WELL TAG ID NO.

WELL RECORD & LOG OFFICE OF THE STATE ENGINEER www.ose.state.nm.us

OSE DTT AUG 2 2021 PM2:50

	OSE POD NO. (WELL NO.) WELL TAG ID NO. OSE FILE NO(S).														
ï		•	(O.)		WELL TAG ID N	О,		OSE F	ILE NO(S).					
GENERAL AND WELL LOCATION	PODI (M				n/a			C-45	49						
ZAT	WELL OWN							PHON	E (OPTI	ONAL)					
Š	BTA Oil P														
H	WELL OWN 104 S. Pec		NG ADDRESS					CITY Midla			STATE TX	: 79701	ZIP		
WE	104 S. Fee							Midi	and		1A	79701			
	WELL		D	EGREES	MINUTES	SECO									
¥F.	LOCATIO	N L	ATTTUDE	32	4	40	.92 N			REQUIRED: ONE TEN	TH OF A	SECOND			
ER	(FROM G	PS) L	ONGITUDE	103	37	53	.68 W	* DAT	TUM REC	QUIRED: WGS 84					
E	DESCRIPTION	ON RELAT	ING WELL LOCATION T	O STREET ADDR	ESS AND COMMO	ON LANDM	IARKS – PLS	S (SECT	TON, TO	WNSHJIP, RANGE) WH	ERE AVA	AILABLE			
1	NW NW I	W Sec.	11 T26S R32E												
	LICENSE NO		NAME OF LICENSEI	סם ז זוסרו						NAME OF WELL DR	I I ING C	YOMPANY			
	124		NAME OF EXCENSES		ackie D. Atkin	18						Associates, I	nc.		
	DRILLING S	TARTED	DRILLING ENDED	DEPTH OF COM	MPLETED WELL ((FT)	BORE HOI	LE DEPI	TH (FT)	DEPTH WATER FIRS	ST ENCO	UNTERED (FT)			
	07/14/	/2021	07/14/2021		ary well mater			103	` ,	n/a					
				(month)	potents.				STATIC WATER LEVEL IN COMPLETED WELL (FT)						
Z	COMPLETE	D WELL IS	: ARTESIAN	✓ DRY HOL	E SHALL	ONFINED)				n/a	1				
Ĕ	DRILLING F	LUID:	✓ AIR	MUD	ADDIT	IVES – SPE	CIFY:								
RM	DRILLING M	ÆTHOD:	ROTARY	HAMMER	CABLE	TOOL	✓ OTHE	R – SPE	CIFY:	Hollo	w Sten	n Auger			
CASING INFORMATION	DEPTH	(feet bgl)	BORE HOLE	CASING I	MATERIAL AN	ID/OR	CA	SING		CASING	CAS	ING WALL	SLOT		
	FROM TO DIAM			(include e	GRADE each casing string	a and	CONN	VECTIO	NC	INSIDE DIAM.		ICKNESS	SIZE		
ASI			(inches)		sections of screen		T (add coupl	YPE ing dian	neter)	(inches)	((inches)	(inches)		
& C	0	103	±8.5	I											
NG.															
1															
2. DRILLING &															
7															
				-											
											-				
			1												
											-		l		
د	DEPTH	(feet bgl)		1	ST ANNULAR S					AMOUNT		METHO			
RIA)	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZ	E-KANGI	EBY INTE	KVAL		(cubic feet)		PLACEM	IEN I		
VTE				-							_				
W.	_										-				
TY.								_			_				
ANNULAR MATERIAL											-				
				†									-		
ε,		-		 							-				
				1											
FOR	OSE INTER	NAL US	F		PODN	10			WR-20	WELL RECORD &	ŁOG ((Version 06/30	0/17)		
LITTE	110,				FUD N	o,		- 1	TIVIAL	₩.			- 1		

LOCATION

DEPTH (feet bgl)

TO

FROM

THICKNESS

(feet)

OSE DIT ALIG 2 2021 PM2:50 **ESTIMATED** COLOR AND TYPE OF MATERIAL ENCOUNTERED -WATER YIELD FOR BEARING? INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES WATER-BEARING (YES/NO) (attach supplemental sheets to fully describe all units)

				(Active supplied to 1211) Control of the 1211,			ZONES (gpm)
	0	4	4	Caliche, Consolidated , White		Y √N	
	4	9	5	Caliche, Consolidated, with fine-grained, Tan		Y ✓N	
	9	14	5	Caliche, Consolidated , White		Y ✓N	
	14	19	5	Caliche, Consolidated, with fine-grained, Tan		y √n	
	19	69	50	Sand, Fine-grained poorly graded, with caliche, Tanish Brow	n	Y ✓N	
1	69	79	103	Clay, Stiff, High Plasticity, Dark Brown,		Y √N	
WEI						Y N	
OF						Y N	
50°						Y N	
iCI						Y N	
100						Y N	
GEO						Y N	
RO						Y N	
4. HYDROGEOLOGIC LOG OF WELL						Y N	
4						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
						Y N	
			Ľ.			Y N	
	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:		AL ESTIMATED	
	PUM	P A	IR LIFT	BAILER OTHER – SPECIFY:	WE.	LL YIELD (gpm):	0.00
NÖ	WELL TES	TEST STAR	RESULTS - ATT T TIME, END TII	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN	INCLUDI OVER TH	NG DISCHARGE I E TESTING PERIC	METHOD, DD.
T; RIG SUPERVISION	MISCELLA	NEOUS INF	FORMATION: Te	emporary well materials removed and the soil boring backfilled et below ground surface, then hydrated bentonite chips from ter	using dri 1 feet belo	ll cuttings from too	tal depth to ten to surface.
TEST;	PRINT NAM	Æ(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL O	ONSTRU	CTION OTHER TH	IAN LICENSEE:
'n	Shane Eldric	dge, Camer	ron Pruitt, Carm	elo Trevino			
ATURE	CORRECT I	RECORD O	F THE ABOVE I	FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WE DAYS AFTER COMPLETION OF WELL DRILLING:	BELIEF, T LL RECO	THE FOREGOING I RD WITH THE STA	S A TRUE AND ATE ENGINEER
6. SIGNATURE	Jack A	tkins		Jackie D. Atkins		07/29/2021	
		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE NAME		DATE	

FOR OSE INTERNAL USE			WR-20 WELL RECORD	& LOG (Version 06/30/2017)
FILE NO.	POD NO.		TRN NO.	
LOCATION		WELL	TAG ID NO.	PAGE 2 OF 2

END OF REPORT

RXSoil, Inc. 201 Main St. Ste. 1360, Fort Worth, TX 76102

Appendix IV- Site Photos

Photo Page













Photo of the washed out road due to Heavy rain



Seating liner in excavation area



Sewing liner together in excavation



Backfilling excavation after liner installation



Liner properly seated in excavation

Appendix V- Approvals Via Email



Katherine Beldon katherine@alvesoilfieldsolutions.org

NRM 2015756964

5 messages

MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Wed, Apr 14, 2021 at 10:20 AM

To: jamos@blm.gov, Bob Hall

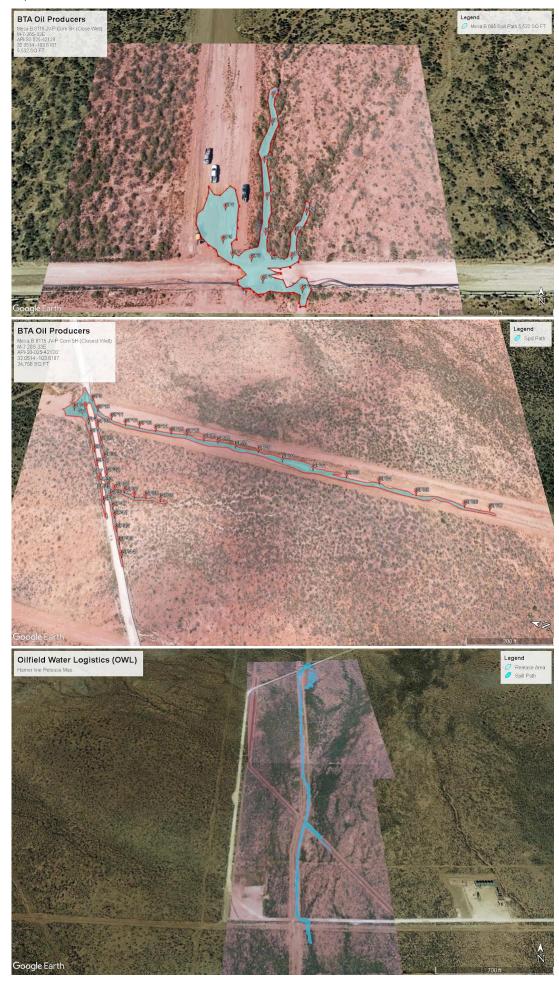
bhall@btaoil.com>, Michael@expertenviroservices.com, Katherine Beldon <katherine@alvesoilfieldsolutions.org>, Haylee Alves <haylee@alvesoilfieldsolutions.org>

Mr. Amos

In the above incident I need some guidance, there have been 2 different spills related to this line and only 1 c-141 was filled due to the confusion that the same line had two different spills, but to complicate things more, another company had a release right on top of the original spill all 3 were major releases. I've been tasked to remediate all 3 spills. That's the simple part but how would you like to separate the two for BTA? Since there were 2 spills i would like to do the following to simplify the report and paperwork and make it easy to understand for all parties.

Since there was not a c141 filled for the 2nd spill can we update the existing c-141 submit two maps but have the sample points in consecutive order. Spill 1 and spill 2 included and then submit 1 report in the end for BTA. on the 3rd spill for OWL since it runs directly on top of the 2nd bta spill and the 1st bta spill i will remediate the same way but just submit a second report with most of the same information just labeled as OWL not BTA?

I've included all 3 maps for your convenience and the c-141 from BTA 1st spill.



Michael Alves Alves Oilfield Solutions 575-631-4310



I'm a movement by myself but I'm a force when we work together



MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Thu, Apr 15, 2021 at 10:51 AM

To: Mario Exact Flo <stucker@blm.gov>, Katherine Beldon <katherine@alvesoilfieldsolutions.org>, Haylee Alves <haylee@alvesoilfieldsolutions.org>

[Quoted text hidden]



Tucker, Shelly J <stucker@blm.gov>

Thu, Apr 15, 2021 at 1:36 PM

To: MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>, Katherine Beldon <katherine@alvesoilfieldsolutions.org>, Haylee Alves <haylee@alvesoilfieldsolutions.org>

BLM hereby authorizes you to combine the two BTA releases, since they overlap each other, into one remedial action. When the remediation action has completed, submit a single report for the BTA releases and a single report for the OWL portion of the remediation. A separate C-141 for the 2nd BTA release will not be required. Please ensure that volumes and other pertinent information is recorded separately for each release within the combined report.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist Realty

Bureau of Land Management 620 E. Greene St Carlsbad, NM 88220

575.234.5706 - Direct

575.200.0614

stucker@blm.gov

From: MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Sent: Thursday, April 15, 2021 10:51 AM

To: Tucker, Shelly J <stucker@blm.gov>; Katherine Beldon <katherine@alvesoilfieldsolutions.org>; Haylee Alves

<haylee@alvesoilfieldsolutions.org> Subject: [EXTERNAL] Fwd: NRM 2015756964

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[Quoted text hidden]

MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Wed, Apr 28, 2021 at 9:07 PM

To: Katherine Beldon <katherine@alvesoilfieldsolutions.org>, Haylee Alves <haylee@alvesoilfieldsolutions.org>, Candi Alves <candialveshkia@gmail.com>

----- Forwarded message ------

From: Tucker, Shelly J <stucker@blm.gov>

Date: Wed, Apr 28, 2021, 3:20 PM

Subject: Re: FW: [EXTERNAL] Fwd: NRM 2015756964

To: MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>, Bob Hall <BHall@btaoil.com>

Cc: Gomez, Robert <rgomez@blm.gov>

BLM hereby requests the following:

- 1. Bore hole samples to be collected every 20' (linear) to determine depth of contamination.
- 2. A single bore hole sample 20' from the end of each "runner" within the drainage.
- 3. Contact the BLM with sample results. Based on the sample concentration/depths will determine whether a liner will be installed at 4' or if additional excavation will be required.
- 4. Within the watershed area, extra backfill will be required due settling and loss from water flow. Backfill will need to be of like soil for the depths of the excavation.
- 5. River rocks can be placed within the drainage area to slow the flow of water. Stagger the rock placement.
- 6. Do not cut additional water diversions.
- 7. Delineation will need to be horizontally and vertically.

Please be aware of the following items prior to any excavation activities.

- 1. The release point did not impact any known archaeological area.
- 2. The point of release occurred on and off of ROW but is **covered under a previous survey**, no additional surveys will be required.
- 3. This area is located within a **High cave/karst zone**.
- 4. This site is located within an active watershed.
- 5. Area is noted to be within **0-3% slope**.
- 6. Soils are within the Largo-Pajarito complex
- 7. BLM Seed Mix #1&2 Mixed (Loam and Sand mix) will be required.

- 8. The site is **NOT** located in DSL habitat or LPC habitat. No other T&E species noted (animal or vegetative) within this area.
- 9. Site is **not** located within Potash
- 10. Site is **not** located within a Special Area of concern.
- 11. Site is **not** located within a RMP ACEC.
- 12. Site is **not** located within Special Status Plant Species area.

From: MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Sent: Thursday, April 15, 2021 2:57 PM To: Bob Hall <BHall@btaoil.com> Cc: Tucker, Shelly J <stucker@blm.gov>

Subject: Re: FW: [EXTERNAL] Fwd: NRM 2015756964

To recap our remediation plan the entire release area will be excavated to 4' bgs. This is 2' from OWL, 2' from BTA. Remaining sampleing will be conducted at time of excavation due to equipment on site and pipelines in area. A 20 ml liner will be installed where needed and sidewalls will be taken at that time to ensure vertical and horizontal is fully delineated. Clean imported soil will be used for backfill and then the area will be reseed with an approved blm mix for this area, free of noxious weeds. Then 2 reports one for each company will be submitted documenting field activities.

If your ok with this and have any COA to add please let me know and can you send a email confirming your ok with this plan?

On Thu, Apr 15, 2021, 2:45 PM Bob Hall <BHall@btaoil.com> wrote:

It looks like this is approval to combine the spills, but it doesn't speak at all toward approval of the remediation plan. I think you discussed it Shelly.

Could you make a reply to her that acknowledges receipt and recaps the major points of the scope of work?

From: MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Sent: Thursday, April 15, 2021 3:25 PM

To: Bob Hall <BHall@btaoil.com>; Ben Grimes <BGrimes@btaoil.com>

Subject: Fwd: [EXTERNAL] Fwd: NRM 2015756964

***** EXTERNAL EMAIL - Please use caution and **DO NOT** open attachments or click links from unknown or unexpected emails. *****

Here you go.

[Quoted text hidden]

a, 48:23CAM: 12/20/2021 2:48:21 PM	Alves Oilfield Solutions LLC. Mail - NRM 2015756964

Page 56 of 203

[Quoted text hidden]

MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org> To: Katherine Beldon <katherine@alvesoilfieldsolutions.org>

Thu, Jun 10, 2021 at 6:48 AM

[Quoted text hidden]



Katherine Beldon katherine@alvesoilfieldsolutions.org

Mesa B line/ Harrier line

4 messages

MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Thu, Sep 2, 2021 at 4:26 PM

To: Mario Exact Flo <stucker@blm.gov>, Bob Hall

taoil.com>, "psanders@oilfieldwaterlogistics.com" <psanders@oilfieldwaterlogistics.com>, Katherine Beldon <katherine@alvesoilfieldsolutions.org>

Shelly,

Thank you for the time first off for meeting me today. Per our conversation just to get it in writing, you gave backfill permission with a liner set in the areas referenced in the workplan. Also all the original COA you originally imposed are still going to be done as well with the water breaks and some areas being raised up to prevent erosion, also all african rue will be removed and taken to an approved disposal. at the end of remediation activities a closure report will be submitted documenting all activities and closure

Alves Oilfield Solutions 575-631-4310



I'm a movement by myself but I'm a force when we work together



Sender notified by Mailtrack

Tucker, Shelly J <stucker@blm.gov>

Tue, Sep 7, 2021 at 10:11 AM

To: MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>, Bob Hall

Span Bob Hall "psanders@oilfieldwaterlogistics.com" <psanders@oilfieldwaterlogistics.com>, Katherine Beldon <katherine@alvesoilfieldsolutions.org>

BLM hereby gives authorization for backfill and requests all African rue be properly disposed of.

Shelly J Tucker **Environmental Protection Specialist** Realty

stucker@blm.gov

575.234.5706 desk 575.200.0614 mobile

620 E Greene St Carlsbad, NM 88220 From: MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Sent: Thursday, September 2, 2021 4:26:48 PM

To: Tucker, Shelly J <stucker@blm.gov>; Bob Hall <bhall@btaoil.com>; psanders@oilfieldwaterlogistics.com <psanders@oilfieldwaterlogistics.com>; Katherine Beldon <katherine@alvesoilfieldsolutions.org>

Subject: [EXTERNAL] Mesa B line/ Harrier line

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

[Quoted text hidden]

MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Tue, Sep 7, 2021 at 10:12 AM

To: "Tucker, Shelly J" <stucker@blm.gov>

Cc: Bob Hall bhall@btaoil.com, "psanders@oilfieldwaterlogistics.com" <psanders@oilfieldwaterlogistics.com</p> Beldon <katherine@alvesoilfieldsolutions.org>

Thank you consider it done

Michael Alves [Quoted text hidden]

MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org>

Tue, Sep 7, 2021 at 10:12 AM

To: Katherine Beldon <katherine@alvesoilfieldsolutions.org>, Kayla Willis Prosise <kayla@alvesoilfieldsolutions.org>

Print this out

Michael Alves [Quoted text hidden]

Appendix VI – Sampling and Lab Data

NAME OF Location & Release date Mesa B05/ Harrier Line

OCD TRACKING #

			6	Field So	creening					Labor	atory Resu	lts				
1	CDC Consulturation	Sample	Sample		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Wall 1	N,32.05925 W-103.61722	7/12/21			249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 2	N.32.05918 W103.61725	7/12/21			624	176	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 3	N,32.05916 W,,-103.61710	7/12/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 4	N,32.05916 W,-103.61730	6/1/21			6,248											
Wall 4		6/1/21	2'		5,498											
Wall 4		6/2/21	4'		5,498											
Wall 4		7/12/21	5'		299	32	<10.0	<10.0	<0.300	<0.050	< 0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 4		6/2/21	6'		249											
Wall 5	N,32.05901 W,-103.61716	7/12/21			249	32	<10.0	<10.0	<0.300	<0.050	< 0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
Wall 6	N.32.05888 W103.61729	6/2/21			5,748											
Wall 6		7/12/21	5'		249	<16.0	<10.0	<10.0	< 0.300	< 0.050	< 0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
Wall 7	N,32.05886 W,-103.61721	7/12/21			249	<16.0	<10.0	<10.0	<0.300	< 0.050	<0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
Wall 8	N32.05874 W,103.61727	6/2/21			2,999											
Wall 8		6/2/21	2'		1,999											
Wall 8		6/2/21	4'		249											
Wall 8		7/12/21	5'		249	32	<10.0	<10.0	< 0.300	< 0.050	< 0.050	< 0.050	< 0.150	<10.0	<10.0	<10.0
Wall 8		6/2/21	6'		249											
Wall 9	N,32.05874 W,103.61721	7/12/21			249	<16.0	<10.0	<10.0	< 0.300	<0.050	<0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
Wall 10	N32.05860 W.103.61726	6/7/21			4,248											
Wall 10		7/12/21	3'		249	<16.0	<10.0	<10.0	< 0.300	< 0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 11	N,32.05859 W,103.61720	7/12/21			249	32	<10.0	<10.0	< 0.300	<0.050	<0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
Wall 12	N.3205849 W,103.61726	7/12/21			249	128	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 13	N,32.05846 W.103,61718	7/12/21			249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 14	N,32.05835 W,103.61718	7/12/21			249	<16.0	<10.0	<10.0	< 0.300	<0.050	<0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
Wall 14		6/18/21	2'		249											
Wall 15	N,32.05837 W,10361718	6/7/21			5,073											
Wall 15	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	6/16/21	2'		449											
Wall 16	N,32.05825 W103.61722	7/12/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 16	,,	7/12/21	2'		449	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 15/17	Between 15-17	7/12/21	_			320	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 17	N32,05824 W.103.61706	6/7/21			1,324								0.20			
Wall 17		6/16/21	2'		449											
Wall 18	N32.05813 W,103.61723	7/12/21	_		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 19	N,32.05813 W,103.61718	7/12/21			249	176	<10.0	<10.0	<0300	<0.050	<0.050	<0.050	<0150	<10.0	<10.0	<10.0
Wall 20	N,32.05799 W,103.6123	6/7/21			549											
Wall 20	1,52.63733 17,103.6123	7/12/21	2'		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 21	N,32.05803 W,103.60716	7/12/21	_		249	<16.0	<10.0	<10.0	<.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 22	N,32.05791 W,103.61720	7/12/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 23	N,32.05790 W,103.61716	7/12/21			249	176	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 24	N,32.05776 W,103.61711	6/7/21			949	1,0	110.0	10.0	10.500	10.030	10.030	10.030	10.130	110.0	110.0	110.0
Wall 24	11,52.05//0 11,103.01/21	7/12/21	2'		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 25	N,3205777 W,-103.61713	6/7/21	_		1,099	`10.0	`10.0	`10.0	\0.300	\0.030	\U.UJU	\0.030	\0.130	`10.0	`10.0	`10.0
Wall 25	11,5205/// 44,-103.01/13	7/12/21	2'		249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 25	N,.32.05768 W,103.61719	7/12/21			249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
					874	32	\1U.U	\10.0	\0.300	\U.U3U	\U.U3U	\U.U3U	\U.13U	\10.0	\10.0	\1U.U
Wall 27	N,32.05768 W,103.61712	6/7/21	21			22	~10 O	~10 O	<0.200	<0.0F0	<0.050	<0.0F0	<0.150	~10 O	~10 O	~10 O
Wall 27	N 22 05759 W 102 61720	7/12/21	2'		249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 28	N,32.05758 W,103.61720	7/12/21			249	48	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 29	N,32.05758 W,103.61712	6/7/21	21		2,124	410.0	4100	410.0	10 200	10.050	10.050	10.050	10.150	-100	-100	-100
Wall 29	N 22 05740 W 402 64722	7/12/21	2'		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 30	N,32.05748 W,103.61722	7/12/21		1 1	249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0

				Field So	eld Screening Laboratory Results											
	000.0	Sample	Sample		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Wall 31	N,32.05747 W.10361713	6/7/21			949											
Wall 31		7/12/21	2'		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 32	N,32.05734 W,103.61723	7/12/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 33	N,32.05734 W,103.61713	6/7/21			5,548											
Wall 33		7/12/21	2'		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
wall 34	N,32.05722 W,103.61723	7/12/21	2'		249	48	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 34		6/7/21			4,498											
Wall 35	N,32.05720 W,103.61714	6/7/21			2,949											
Wall 35		7/12/21	2'		249	48	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 36	N,32.05707 W,103.61723	6/7/21			1,999											
Wall 36		6/16/21	2'		2,049	4.5.0	400	40.0					0.450	400	40.0	400
Wall 36	N 22 05707 W 402 64742	7/12/21	5'		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 37	N,32.05707 W,103.61712	6/7/21	2'		3,998	22	-100	110.0	40.200	40.050	40.050	40.050	40.150	410.0	-10.0	-100
Wall 37 Wall 38	N,32.05696 W,103.61723	7/12/21 6/7/21	2		249 4,998	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 38	N,32.03090 W,103.01723	6/16/21	2'		699											
Wall 38		7/12/21	5'		249	<16.0	<10.0	<10.0	< 0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 39	N,32.05685 W103.61716	7/12/21	3		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 40	N,32.05685 W,103.61723	6/7/21			2,499	10.0	10.0	10.0	₹0.500	VO.030	10.030	VO.030	VO.130	10.0	10.0	10.0
Wall 40	14,52.05005 44,105.01725	6/16/21	2'		2,433											
Wall 40		7/12/21	2'		374	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 41	N,32.05684 W,103.61727	7/12/21	_		249	48	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 42	N,32.05672 W,103.61721	6/7/21			2,399	.0	120.0	120.0	10.000	.0.050	10.000	10.000	10.130	120.0	120.0	120.0
Wall 42	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7/12/21	2'		249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 42		6/16/21	2'													
Wall 43	N,32.05672 W,103.61716	7/12/21			249	96	<10.0	<10.0	<0.300	< 0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 44	N,32.05659 W,103.61723	6/7/21			3,548											
Wall 44		7/12/21	2'		249	<16.0	<10.0	<10.0	<0.300	< 0.050	< 0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 44		6/16/21	2'													
Wall 45	N,32.05658 W,103.61716	7/12/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 46	N,32.05645 W,103.61721	6/7/21			4,248											
Wall 46		7/12/21	2'		249	128	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 47	N,32.05645 W,103.61715	6/7/21			4,198											
Wall 47		7/12/21	2'		249	48	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 48	N,32.05632 W,103.61720	7/12/21	2'		3,124	80	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	10.0<	10.0<	10.0<
Wall 48		6/17/21	2'		374											
Wall 49	N,32.05632 W,103.61713	6/7/21	21		999	22	.10.0	400	.0.200	.0.050	.0.050	.0.050	.0.450	.400	.40.0	.400
Wall 49	N 22 05 C24 W 402 C4720	7/12/21	2'		249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 50	N,32.05621 W,103.61720	6/8/21	2'		1,124	240	410.0	410.0	<0.200	<0.0F0	<0.050	<0.0F0	رم 1F0	<10.0	<10.0	<10.0
Wall 50 Wall 51	N,32.0521 W,103.61715	7/12/21 7/12/21	2		449 449	240 320	<10.0 <10.0	<10.0 <10.0	<0.300 <0.300	<0.050 <0.050	<0.050	<0.050 <0.050	<0.150 <0.150	<10.0 <10.0	<10.0 <10.0	<10.0 <10.
Wall 51 Wall 52	N,32.0521 W,103.61715 N,32.05610 W,103.61722	6/8/21			949	320	\10.0	\10.0	\ 0.300	\U.U3U	\U.U3U	\U.U3U	\U.13U	\10.0	\10.0	\10.
Wall 52 Wall 52	14,32.03010 W,103.01/22	6/17/21	2'		3,898											
Wall 52		6/17/21	2 4'		249											
Wall 53	N,32.05609 W,103.61715	6/8/21	7		249											
Wall 54	N,32.05596 W,103.61720	6/8/21			6,997											
Wall 54	,.2.03333,103.01720	6/18/21	2'		249											
Wall 55		6/8/21	-		249											
Wall 56	N,32.05584 W,103.61720	6/8/21			3,199											
Wall 56		6/18/21	2'		324											

				Field S	Field Screening Laboratory Results											
		Sample	Sample	i ieiu 3	Titration			TPH		Labor	atory nesul	Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth	PID Result		Chloride	Total TPH	GRO + DRO	ВТЕХ	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
		Date	(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Wall 57	N,32.05585 W,103.61713	6/8/21		`	249	. 0, 0,	, 0, 0,	. 0. 0.	, 0, 0,		, 0, 0,				. 0, 0,	
Wall 58	N,32.05572 W,103.61718	6/8/21			3,998											
Wall 58	, , , , , , , , , , , , , , , , , , , ,	6/18/21	2'		249											
Wall 59	N,32.05573 W,103.61711	6/8/21			4,998											
Wall 59		6/21/21	2'		249											
Wall 60		6/8/21			249											
Wall 60	N32.05560 W,103.61720	6/18/21	2'		249											
Wall 61	N,32.05561 W,103.61711	6/8/21			249											
Wall 62	N,32.05547 W,103.61719	6/8/21			1,499											
Wall 62		6/18/21	2'		249											
Wall 63	N,32.05547 W,103.61713	6/8/21			249											
Wall 64	N,32.05534 W,103.61720	6/8/21			3,323											
Wall 64		6/21/21			699											
Wall 64		6/21/21	2'		249											
Wall 65	N,32.05534 W,103.61712	6/8/21			249											
Wall 65		6/21/21			249											
Wall 66	N,32.05521 W,103.61718	6/22/21			249											
Wall 67	N,32.50521 W,103.51713	6/22/21			249											
Wall 68	N,32.05508 W,103.61719	6/22/21			249											
Wall 69	N,32.05508 W,103.61713	6/22/21			249											
Wall 70	N,32.05494 W,103.61718	6/22/21			249											
Wall 71	N,32.05494 W,103.61713	6/22/21			249											
Wall 72	N,32.05480 W,103.61718	6/22/21			249											
Wall 73	N,32.05480 W,103.61711	6/22/21			249											
Wall 74	N,32.05466 W,103.61716	6/22/21			249											
Wall 75	N,32.05466 W,103.61711	6/22/21			249											
Wall 76	N,32.05453 W,103.61718	6/22/21			249											
Wall 77	N,32.05452 W,103.61711	6/22/21			249											
Wall 78	N,32.05440 W,103.61715	6/22/21			249											
Wall 79	N,32.05440 W,103.61710	6/22/21			999											
wall 79		6/24/21			4,623											
Wall 79		6/24/21	5'		2,124											
Wall 79		6/25/21	7'		249											
Wall 80	N,32.05428 W,103.61715	6//22/21			449											
Wall 81	N,32.05427 W,103.61709	6/22/21			3,248											
wall 81		6/24/21			4,748											
Wall 81		6/24/21	5'		3,199											
Wall 81		6/25/21	7'													
Wall 82	N,32.05415 W.103.61705	6/22/21			249											
Wall 83	N.32.05418 W,103.61702	6/22/21			7,247											
wall 83		6/24/21			1,073											
Wall 83		6/25/21	7'		249											
Wall 84	N.3205407 W.103.61698	6/23/21			249											
Wall 85	N,32.05406 W.103.61696	6/23/21			449											
Wall 86	N.32.05393 W.103.61698	6/23/21			249											
Wall 87	N.32.05392 W,103.61695	6/23/19			449											
Wall 88	N.32.05378 W,103.61695	6/23/21			249											
Wall 89	N.32.05378 W,103.61694	6/23/21			249											
Wall 90	N.32.05363 W.103.61695	6/23/19			249											
Wall 91	N.32.05363 W,103.61694	6/23/19			249											

			Campla	Field So	reening					Labor	atory Resul	lts				
Logotie:-	GPS Coordinates	Sample	Sample		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth (feet BGS)	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(leet bus)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Wall 92	N,32.05350 W.103.61696	6/23/19			249											
Wall 93	N.32.05351 W.103.61694	6/23/19			249											
Wall 94	N,32.05339 W.103.61698	6/23/19			249											
Wall 95	N,32.05339 W,103.61696	6/23/19			249											
Wall 96	N,32.05326 W,103.61702	6/23/19			249											
Wall 97	N,32.05326 W,103.61700	6/23/19			249											
Wall 98	N,32.05312 W,103.61705	6/23/19			324											
Wall 99	N,32.05312 W,103.61703	6/23/19			2,499											
Wall 100	N,32.05300 W,103.61707	6/23/19			249											
Wall 101	N,32.05299 W,103.61707	6/23/19			249											
Wall 102	N,32.05288 W,103.61715	6/23/19			1,074											
Wall 103	N,32.05286 W,103.61713	6/23/19			249											
Wall 104	N,32.05274 W,103.61719	6/23/19			249											
Wall 105	N,32.05274 W,103.61716	6/23/19			249											
Wall 106	N,32.05260 W,103.61723	6/23/19			249											
Wall 107	N,32.05259 W,103.61724	6/23/19			249											
Wall 108	N,32.05247 W,103.61726	6/23/19			249											
Wall 109	N,32.05247 W,103.61724	6/23/19			249											
Wall 110	N,32.05225 W,103.61726	6/24/21			249											
Wall 111	N,32.05229 W,103.61728	6/24/21			249											
Wall 112	N,32.05218 W,103.61733	6/24/21			249											
Wall 113	N,32.05218 W,103.61731	6/24/21			249											
Wall 114	N,32.05205 W,103.61733	6/24/21			249											
Wall 115	N,32.05204 W,103.61733	6/24/21			249											
Wall 116	N,32.05191 W,103.61732	6/24/21			1,324											
Wall 117	N,32.05191 W,103.61730	6/24/21			2,074											
Wall 118	N,32.05178 W,103.61732	6/24/21			999											
Wall 119	N,32.05178 W,103.61730	6/24/21			449											
wall 120	N,32.05164 W,103.61735	6/24/21	10!		2,999											
Wall 120	N 22 05465 W 402 64722	7/16/21	10'		249											
Wall 121 Wall 122	N,32.05165 W,103.61732	6/24/21	10'		449 249											
wall 122	N,32.05151 W,103.61733	7/16/21 6/24/21	10		3,124											
wall 123	N,32.05153 w,103.61729	6/24/21			249											
wall 124	N,32.05139 W,103.61734	6/24/21			249											
Wall 125	N,32.05139 W,103.61730	6/24/21			999											
Wall 126	N,32.05126 W,103.61734	6/24/21			249											
Wall 127	N,32.05125 W,103.61732	6/24/21			1,249											
wall 128	N,32.05112 W,103.61734	7/19/21	4'		2,249	48	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
wall 129	N,32.05113 W,103.61731	7/19/21	4'		3,748	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
wall 130	N,32.05098 W,103.61731	7/19/21	15'		1,249	112	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 131	N,32.05099 W,103.61729	7/19/21	2'		3,199	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 132	N,32.05067 W,103.61702	7/19/21	2'		,	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
wall 133	N,32.05067 W,103.61700	7/19/21	2'			288	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 134		7/19/21	2'			32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 135		7/19/21				112	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 136	N,32.05038 W,103.61699															
Wall 137	N,32.05039 W,103.61694															
Wall 138	N,32.05026 W,103.61694															
Wall 139	N,32.05025 W,103.61689															

				Eigld C	reening					Lahor	atoni Posul	ltc				
		Sample	Sample	rieiu S	Titration			TPH		Labor	atory Resul	Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth	PID Result	Result	Chloride	Total TPH	GRO + DRO	ВТЕХ	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
		Date	(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Wall 140	N,32.05013 W,103.61691	6/25/21		(,	6,797	(8/8/	(6161	(8/8/	(8/8/	(8/8/	(8/8/	(8/8/	(8/8/	(8/8/	(8/8/	(8/8/
Wall 141	N,32.05013 W,103.61889	6/25/21			499											
Wall 142	N,32.05002 W,103.61687	6/25/21			749											
Wall 143	N,32.05002 W,103.61684	6/25/21			249											
Wuii 143	14,52.03002 44,103.01004	0/23/21			243											
BS1	N,32.05898 W103.61727	7/13/21			249	<16.0	<10.0	<10.0	< 0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS2	N.32.05882 W.103.61726	6/2/21			249											
BS2		6/15/21			1,124											
BS3	N.32.05862 W.103.61725	6/2/21			1,074											
BS3		7/13/21			499	224	<10.0	<10.0	<0.300	< 0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS4	N.32.05836 W.103.61725	7/13/21	4'		624	528	<10.0	<10.0	<0.300	< 0.050	< 0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
BS5	N.32.05799 W.103.61723	7/13/21			249	32	<10.0	<10.0	<0.300	< 0.050	<0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
BS6	N.3205777 W.103.61720	7/13/21			249	32	<10.0	<10.0	<0.300	< 0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS7	N.32.05778 W.103.61713	7/13/21			249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS8		7/13/21			499	288	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS9	N,32.05707 W,103.61723	6/16/21			2,849											
BS9		6/17/21	3'		4,048											
BS9		6/17/21	4'		4,598											
BS10	N,32.05696 W,103.61723	6/16/21			4,123											
BS10		6/17/21	4'		1,199											
BS11	N,32.05685 W,103.61721	6/17/21			1,999											
BS12	N,32.05673 W,103.61722	6/17/21			3,623											
BS13	N,32.05659 W,103.61721	6/17/21			2,499											
BS14	N,32.05645 W,103.61720	6/17/21			5,498											
BS15	N,32.05632 W,103.61719	7/13/21	41		749	656	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS15		6/16/21	4'		3,498											
BS16	N,32.05621 W,103.61718	6/17/21	41		1,249											
BS16 BS17	N,32.05610 W,103.61720	6/16/21 6/17/21	4'		3,498											
BS17 BS17	N,32.03610 W,103.61720	6/17/21	3'		6,547 2,624											
BS17		6/16/21	3 4'		3,498											
BS17 BS18		7/13/21	+		3,498 249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS19	N.3205767 W.103.61713	7/13/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS20	N.32.05759 W.103.61713	7/13/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS21	N.32.05747 W,103.61714	7/13/21			249	48	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS22	N,32.05734 W,,103.61713	6/18/21			3,249	"	_0.0	_5.5	2.500	2.000	2.000		2.255	_0.0		_0.0
BS22	,	6/21/21	4'		2,499											
BS23	N,32.05720 W,103.61716	6/18/21			1,499											
BS23		6/21/21	4'		2,499											
BS24	N,32.05707 W,103.61713	6/18/21			1,999											
BS24		6/21/21	4'		3,748											
BS25	N,32.05645 W,103.61716	7/13/21			249	48	<10.0	<10.0	<0.300	< 0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS26	N,32.05632 W,103.61714	7/13/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS27	N,32.05596 W,103.61719	6/18/21			5,998											
BS28	N,32.05584 W,103.61719	6/18/21			5,248											
BS29	N,32.05572 W,103.61717	6/18/21			249											
BS30	N,32.05560 W,103.61718	6/18/21			249											
BS31	N,32.05547 W,103.61718	6/18/21			2,899											
BS32	N,.3205573 W,103.61713	6/21/21		l l	249							l				

		1		Field So	reening					Labor	atory Resul	ts				
		Sample	Sample		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS33	N,32.05534 W,103.61716	6/21/21			5,373											
BS34	N,32.05521 W,103.61716	6/22/21			2,499											
BS35	N,32.05508 W,103.61716	6/22/21			3,373											
BS36	N,32.05494 W,103.61715	6/22/21			249											
BS37	N,32.05480 W,103.61714	6/22/21			749											
BS38	N,32.05466 W,103.61413	6/22/21			1,249											
BS39	N,32.05453 W,103.61714	6/22/21			5,998											
BS40	N,32.05440 W,103.61712	6/22/21			5,498											
BS41	N,32.05428 W,103.61712	6/22/21			374											
BS42	N,32.05416 W,103.61703	6/22/21			299											
BS43	N,32.05406 W,103.61697	6/23/21			249											
BS44	N,32.05392 W,103.61697	6/23/21			249											
BS45	N,32.05378 W,103.61695	6/23/21			249											
BS46	N,32.05364 W,103.61695	6/23/21			249											
BS47	N,32.05339 W,103.61695	6/23/21			1,374											
BS48	N,32.05338 W,103.61698	6/23/21			2,949											
BS49	N,32.05326 W,103.61700	6/23/21			1,249											
BS50	N,32.05312 W,103.61705	6/23/19			324											
BS51	N,32.05300 W,103.61708	6/23/19			249											
BS52	N,32.05287 W,103.61714	6/23/19			249											
BS53	N,32.05274 W,103.61718	6/23/19			374											
BS56		6/24/21			249											
BS57		6/24/21			249											
BS58		6/24/21			374											
BS59		6/24/21			249											
BS60		6/24/21			249											
BS61		6/24/21			449											
BS62		6/24/21			4,373											
BS63		6/24/21			249											
BS64		6/24/21			249											
BS65		6/24/21			4,448											
BS66		7/19/21			549	336	<10.0	<10.0	< 0.300	< 0.050	< 0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
BS67		7/19/21			3,199	288	<10.0	<10.0	<0.300	<0.050	< 0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
BS68		7/19/21			,	352	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS69	N,32.05038 W,103.61697															
BS70	N,32.05026 W,103.61692															
BS71	N,32.05014 W,103.61691	6/25/21			6,872											
BS72	N,32.05002 W,103.61685	6/25/21			2,249											
BS73	N,32.05915 W,103.61723	6/25/21			1,149											
BS74	N,32.05898 W,103.61723	7/13/21			549	352	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS75	N,32.05883 W,103.61726	7/13/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS76	N,32.05867 W,103.61724	7/13/21			249	48	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS77	N,32.05853 W,103.61724	7/13/21			374	288	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS78	N,32.05842 W,103.61726	6/25/21			5,373											
BS79	N,32.05832 W,103.61724	6/25/21			1,949											
BS80	N,32.05819 W,103.61724	7/13/21			449	128	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS81	N,32.05808 W,103.61723	7/13/21			249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS82	N,32.05798 W,103.61723	6/25/21			7,997											
BS83	N,32.05788 W,103.61720	6/25/21			2,799											
BS84	N,32.05772 W,103.61720	6/25/21			6,497											

				Field S	creening					Labor	atory Resul	ts				
1	ons s " ·	Sample	Sample		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS85	N,32.05762 W,103.61720	6/25/21			8,047											
BS86	N,32.05753 W,103.61720	6/25/21			5,948											
BS87	N,32.05742 W,103.61720	6/25/21			6,023											
BS88	N,32.05729 W,103.61720	6/25/21			9,322											
BS89	N,32.05716 W,103.61720	7/13/21			374	208	<10.0	<10.0	< 0.300	< 0.050	< 0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
BS90	N,32.05709 W,103.61720	7/13/21			449	240	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS91	N,32.05691 W,103.61721	6/25/21			3,423											
BS92	N,32.05679 W,103.61720	6/25/21			3,423											
BS93	N,32.05667 W,103.61720	6/25/21			4,098											
BS94	N,32.05653 W,103.61719	6/25/21			2,624											
BS95	N,32.05641 W,103.61718	6/25/21			5,623											
BS96	N,32.05627 W,103.61716	6/25/21			4,373											
BS97	N,32.05617 W,103.61716	6/25/21			6,248											
BS98	N,32.05606 W,103.61716	6/25/21			7,497											
BS99	N,32.05591 W,103.61716	6/25/21			7,497											
BS100		6/25/21			6,375											
BS101		6/25/21			249											
BS102		6/25/21			4,373											
BS103		6/25/21			249											
SP36NW		6/0/21			249											
SP36SW		6/9/21 6/9/21			1,699											
SP36EW					249											
SP36WW		6/9/21 6/9/21			249											
SP36SW		6/9/21	5'		2,874											
SP36SW		6/10/21	20'		2,074											
SP40NW		6/10/21	5'													
SP40NW		6/9/21	J		2,149											
SP40SW		6/9/21			249											
SP40EW		6/9/21			374											
SP40WW		6/9/21			249											
SP43SW		6/9/21	5'		624											
SP43SW		6/21/21	10'		3,923											
SP43SW		6/21/21	15'		4,573											
SP43SW		6/21/21	25'													
SP43NW		6/9/21			374											
SP43SW		6/9/21			3,174											
SP43EW		6/9/21			249											
SP43WW		6/9/21			249											
SP45NW		6/9/21			499											
SP45SW		6/9/21			249											
SP45EW		6/9/21			2,749											
SP45EW		6/9/21	5'		249											
SP45WW		6/9/21			374											
SP47NW		6/9/21			249											
SP47SW		6/9/21			374											
SP47EW		9/9/21			249											
SP47WW		9/9/21			249											
SP49NW		6/10/21		I	249											

NAME OF Location & Release date OCD TRACKING #

Mesa B05/ Harrier Line

			6	Field S	creening					Labor	atory Resul	ts				
Location	GPS Coordinates	Sample	Sample		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth (feet BGS)	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(leet bd3)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SP49SW		6/10/21			624											
SP49SW		6/21/21	5'		749											
SP49SW		6/21/21	10'		249											
SP49EW		6/10/21			374											
SP49WW		6/10/21			249											
SP51NW		6/10/21			2,999											
SP51NW		6/10/21	4-1		4,998											
SP51NM		6/10/21	15'		249											
SP51SW		6/10/21			999											
SP51EW		6/10/21			249											
SP51WW SP51WW		6/10/21	2'		4,323 1,149											
SP51WW SP51WW		6/10/21 6/10/21	2 8'		374											
SP51WW SP51Botto		6/10/21	8		874											
3i 31botto		0/10/21			0/4											
SB1	N.32.0594 W103.61716	5/11/21	surf		23,367											
SB1		5/11/21	1'		474											
SB1		5/11/21	2'		224											
SB1		5/11/21	3'		224											
SB1		5/11/21	4'		224	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB2	N.32.05876 W103.61827	5/11/21	surf		799											
SB2		5/11/21	1'		3,823											
SB2		5/11/21	2'		3,998											
SB2		5/11/21	3'		1,074											
SB2		5/11/21	4'		374	176	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB3	N.3205865 W103.61827	5/11/21	surf		2,249											
SB3		5/11/21	1'		3,498											
SB3		5/11/21	2'		5,748											
SB3		5/11/21	3'		449											
SB3		5/11/21	4'		449	208	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB4	N.32.05872 W-103.61787	5/11/21	surf		374											
SB4 SB4		5/11/2021	1' 2'		374											
SB4 SB4		5/11/2021	2 3'		374 299											
SB4		5/11/21 5/11/21	3 4'		299	176	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB5	N.32.05849 W-103.61786	5/11/21	surf		249	170	10.0	10.0	₹0.500	10.030	₹0.050	10.030	10.130	10.0	₹10.0	10.0
SB5	N.32.03849 W-103.01780	5/11/21	1'		249											
SB5		5/11/21	2'		374											
SB5		5/11/21	3'		374											
SB5		5/11/21	4'		374	192	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB6	N.32,05948 W103.61665	5/11/21	surf		249											
SB6	,	5/11/21	1'		249											
SB6		5/11/21	2'		249											
SB6		5/11/21	3'		249											
SB6		5/11/21	4'		249	48	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB7	N.32,05928 W,-103.61652	5/11/21	surf		249											
SB7		5/11/21	1'		249											
SB7		5/11/21	2'		249											
SB7		5/11/21	3'		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0

NAME OF Location & Release date Mesa B05/ Harrier Line

OCD TRACKING #

				Field S	creening					Labor	atory Resul	ts				
	CDC Coundinates	Sample	Sample		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth (feet BGS)	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(reet bus)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SB8	N.32.05920 W,-103.61720	5/11/21	surf		3,948											
SB8		5/11/21	1'		4,173											
SB8		5/11/21	2'		1,249											
SB8		5/11/21	3'		549											
SB8		5/11/21	4'		1,424	1,150	<10.0	<10.0	< 0.300	<0.050	< 0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
SB8		5/12/21	5'		1,574											
SB8		5/12/21	6'		1,674											
SB8		5/12/21	7'		3,548											
SB8		5/12/21	8'		3,548											
SB8		5/12/21	9'		2,249											
SB8		5/12/21	10'		1,249											
SB8		5/12/21	11'		1,124											
SB8		5/12/21	12'		699											
SB8		5/12/21	13'		574											
SB8		5/12/21	14'		449											
SB8		5/12/21	15'		374	208	<10.0	<10.0	< 0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB9	N.32.05783	5/11/21	surf		12,871											
SB9		5/11/21	1'		5,748											
SB9		5/11/21	2'		2,874											
SB9		5/11/21	3'		2,749											
SB9		5/11/21	4'		3,199	4,480	<10.0	<10.0	< 0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB9		5/12/21	5'		3,873											
SB9		5/12/21	6'		4,997											
SB9		5/12/21	7'		2,499											
SB9		5/12/21	8'		1,574											
SB9		5/12/21	9'		1,224											
SB9		5/12/21	10'		949											
SB9		5/12/21	11'		699											
SB9		5/12/21	12'		549											
SB9		5/12/21	13'		1,049											
SB9		5/12/21	14'		749											
SB9		5/12/21	15'		449											
SB9		5/12/21	16'		374	224	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB10	N.32.05602 W.103.61717	5/11/21	surf		19,418											
SB10		5/11/21	1'		4,573											
SB10		5/11/21	2'		2,824											
SB10		5/11/21	3'		2,749											
SB10		5/11/21	4'		1,624	1,310	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB10		5/12/21	5'		999											
SB10		5/12/21	6'		1,974											
SB10		5/12/21	7'		499											
SB10		5/12/21	8'		499	64	410.0	-10.0	±0.200	40.050	10.050	10.050	10.150	410.C	110.0	-10.0
SB10		5/12/21	9'		249	64	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB11	N.3205426 W.103.61711	5/11/21	surf		16,569											
SB11		5/11/21	1'		4,748											
SB11		5/11/21	2'		3,074											
SB11		5/11/21	3'		949	200	.400	400	.0.200	.0.056	.0.050	.0.050	.0.456	.10.0	.100	.10.0
SB11		5/11/21	4'		499	208	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB11		5/12/21	5'		1,799											
SB11	1	5/12/21	6'	1	874	I	I .			I			I .		I .	ı İ

		1		Field S	creening	ſ				Lahor	atory Resu	ltc				
		Sample	Sample	Tiela 3	Titration			TPH		Labor	atory nesu	Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth	PID Result		Chloride	Total TPH	GRO + DRO	ВТЕХ	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
		Dute	(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SB11		5/12/21	7'		499											
SB11		5/12/21	8'		449	256	<10.0	<10.0	<0.300	<0.050	< 0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB12	N.32.05311 W.103.61706	5/12/21	surf		7,872											
SB12		5/12/21	1'		8,697											
SB12		5/12/21	2'		1,349											
SB12		5/12/21	3'		449											
SB12		5/12/21	4'		374	96	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB12		5/12/21	5'		374											
SB12		5/12/21	6'		374											
SB13	N.3205238 W.103.61633	5/12/21	surf		15,945											
SB13		5/12/21	1'		4,748											
SB13		5/12/21	2'		4,998											
SB13		5/12/21	3'		4,998											
SB13		5/12/21	4'		5,748	5,200	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB13		5/12/21	5'		4,748											
SB13		5/12/21	6'		2,249											
SB13		5/12/21	7'		999											
SB13		5/12/21	8' 9'		2,249											
SB13		5/12/21	_		749											
SB13		5/12/21	10'		624											
SB13 SB13		5/12/21 5/12/21	11' 12'		499 449											
SB13		5/12/21	13'		324	272	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
	.,				249	2/2	\10.0	\10.0	₹0.300	<0.030	₹0.030	₹0.030	₹0.130	\10.0	\10.0	₹10.0
SB14 SB14	N.32.05271 W.103.61667	5/12/21 5/12/21	surf 1'		249											
SB14		5/12/21	2'		249											
SB14		5/12/21	3'		249											
SB14		5/12/21	4'		249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB15	N.32.05228 W.103.61731	5/13/21	surf		1,374	32	110.0	110.0	10.500	10.030	10.030	10.030	10.150	110.0	10.0	10.0
SB15	W.52.05220 W.105.01751	5/13/21	1'		449											
SB15		5/13/21	2'		249											
SB15		5/13/21	3'		249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB16	N.32.05100 W.103.61720	5/13/21	surf		13,995											
SB16		5/13/21	1'		4,498											
SB16		5/13/21	2'		2,874											
SB16		5/13/21	3'		949											
SB16		5/13/21	4'		949	816	<10.0	<10.0	< 0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB16		5/13/21	5'		624											
SB16		5/13/21	6'		1,124											
SB16		5/13/21	7'		1,374											
SB16		5/13/21	8'		2,124											
SB16		5/13/21	9'		2,249											
SB16		5/13/21	10'		1,874											
SB16		5/13/21	11'		1,499											
SB16		5/13/21	12'		1,499											
SB16		5/13/21	13'		1,499											
SB16		5/13/21	14'		1,499											
SB16		5/13/21	15'		999											
SB16		5/13/21	16'		749	720	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB17	N.3205050	5/13/21	surf		7,497											

NAME OF Location & Release date OCD TRACKING #

Mesa B05/ Harrier Line

			6	Field S	creening					Labor	atory Resul	lts				
Location	GPS Coordinates	Sample	Sample Depth		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	(feet BGS)	PID Result		Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(leet bd3)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SB17		5/13/21	1'		5,948											
SB17		5/13/21	2'		8,897											
SB17		5/13/21	3'		2,624											
SB17		5/13/21	4'		1,749	1,520	<10.0	<10.0	<0.300	< 0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB17		5/13/21	5'		2,499											
SB18	N,32.05011 W.103.61691	5/13/21	surf		41,986											
SB18		5/13/21	1'		8,372											
SB18		5/13/21	2'		10,496											
SB18		5/13/2021	3'		7,622											
SB18		5/13/2021	4'		1,499	1,380	<10.0	<10.0	<0.300	< 0.050	<0.050	<0.050	< 0.150	<10.0	<10.0	<10.0
SB18		5/13/2021	5'		799											
SB19	N.32.04985 W.103,61696	5/13/2021	1'		199	48	<10.0	<10.0	<0.300	< 0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB20			1,		249	64	<10.0	<10.0	<0.300	< 0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SS3Botto		6/16/2021			249											
SS3NW		6/16/2021			249											
SS3SW		6/16/2021			249											
SS3WW		6/16/2021			249											
SS3EW		6/16/2021			4,498											
SS3EW		6/16/2021	5'		249											
SS16EW		6/15/2021			699											
SS16EW		6/15/2021	2'		246											
SS16WW		6/15/2021	2'		249											
SS18EW		6/15/2021			4,748											
SS18EW		6/15/2021	2'		4,123											
SS18EW		6/15/2021	5'		699											
SS18WW		6/15/2021			249											
SS28EW		6/15/2021			249											
SS28WW		6/15/2021	2'		2,699											
SS28WW		6/15/2021	2'		3,948											
SS28SW		6/15/2021			2,499											
SS28SW		6/15/2021	20'		3,498											
SS35		7/16/2021	4'		6,547											
SS36SW		6/22/2021	4'		3,248											
SS36WE		6/22/2021	100'		749											
SS40NW		6/22/2021	10'		1,499											
SS40NW		6/22/2021	20'		4,223											

NMOCD Table 1 - Closure Criteria for Soils Impacted by a Release (19.15.29.12)
Minimum Depth to GW less than 10,000 mg/l TDS

<= 50'	600	100	-	50	10
51' - 100'	10,000	2,500	1,000	50	10
>100'	20,000	2,500	1,000	50	10

Reporting Limits: Chloride: 16.0 mg/kg

Benzene, Toluene, Ethylbenzene: 0.050 mg/kg for each analyte

Total Xylenes: 0.150 mg/kg Total BTEX: 0.300 mg/kg NAME OF Location & Release date OCD TRACKING #

Mesa B05/ Harrier Line

			Sample	Field S	creening					Labor	atory Resul	ts				
1	CDC Co andinotes	Sample	•		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)

GRO (C6 - C10), DRO (>C10 - C28), Ext DRO (>C28 - C36): 10.0 mg/kg for each analyte

NAME OF Location & Release date OCD TRACKING #

Mesa B05/ Harrier Line

			Cample	Field So	creening					Labor	atory Resul	ts				
Location	GPS Coordinates	Sample	Sample		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)

NAME OF Location & Release date OCD TRACKING #

Mesa B05/ Harrier Line

			Sample	Field Sc	creening					Labor	atory Resul	ts				
	CDC Co andinotes	Sample	•		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth (for BOS)	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(feet BGS)	(PPM)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
-				-												



May 29, 2020

BOB HALL

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: MESA B 05

Enclosed are the results of analyses for samples received by the laboratory on 05/27/20 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 05/27/2020 Sampling Date: 05/26/2020

Reported: 05/29/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 1 SAMPLES AND 1.5 SAMPLES Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: SP 1 @ 1' (H001440-01)

Chladda CM4E00CL B

Chloride, SM4500CI-B	mg,	/kg	Anaiyze	а ву: АС					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	46000	16.0	05/28/2020	ND	384	96.0	400	4.08	

Sample ID: SP 1 @ 1.5' (H001440-02)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16800	16.0	05/28/2020	ND	384	96.0	400	4.08	

Sample ID: SP 2 @ 1' (H001440-03)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	46400	16.0	05/28/2020	ND	384	96.0	400	4.08	

Sample ID: SP 2 @ 1.5' (H001440-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	05/28/2020	ND	384	96.0	400	4.08	

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 05/27/2020 Sampling Date: 05/26/2020

Reported: 05/29/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 1 SAMPLES AND 1.5 SAMPLES Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: SP 3 @ 1' (H001440-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	05/28/2020	ND	384	96.0	400	4.08	
Sample ID: SP 3 @ 1.5'	(H001440-06))							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	37600	16.0	05/28/2020	ND	384	96.0	400	4.08	
Sample ID: SP 4 @ 1' (H	1001440-07)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	42400	16.0	05/28/2020	ND	384	96.0	400	4.08	
Sample ID: SP 4 @ 1.5'	(H001440-08))							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36800	16.0	05/28/2020	ND	384	96.0	400	4.08	
Sample ID: SP 5 @ 1' (H	1001440-09)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	72800	16.0	05/28/2020	ND	384	96.0	400	4.08	

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Celey & Freene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 05/27/2020 Sampling Date: 05/26/2020

Reported: 05/29/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 1 SAMPLES AND 1.5 SAMPLES Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: SP 5 @ 1.5' (H001440-10)

			-						
Analyte	Result Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
loride	5360 16.0	05/28/2020	ND	384	96.0	400	0.00	QM-07	
,	, ,	•			,			·	-

Sample ID: SP 6 @ 1' (H001440-11)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36000	16.0	05/28/2020	ND	384	96.0	400	0.00	

Sample ID: SP 6 @ 1.5' (H001440-12)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	05/28/2020	ND	384	96.0	400	0.00	

Sample ID: SP 7 @ 1' (H001440-13)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24000	16.0	05/28/2020	ND	384	96.0	400	0.00	

Sample ID: SP 7 @ 1.5' (H001440-14)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	106000	16.0	05/28/2020	ND	384	96.0	400	0.00	

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Celey D. Keene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To:

(432) 683-0312

Received: 05/27/2020 Sampling Date: 05/26/2020

Reported: 05/29/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact Sample Received By: Project Number: 1 SAMPLES AND 1.5 SAMPLES Tamara Oldaker

Project Location: LEA CO

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	42000	16.0	05/28/2020	ND	384	96.0	400	0.00	
Sample ID: SP 8 @ 1.5'	(H001440-16)								
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
			05/00/0000	ND	384	96.0	400	0.00	
	24000 001440-17)	16.0	05/28/2020	ND	364	96.0	400	0.00	
Chloride Sample ID: SP 9 @ 1' (H Chloride, SM4500Cl-B				d By: AC	364	96.0	400	0.00	
Sample ID: SP 9 @ 1' (H	001440-17)				BS 384	% Recovery	True Value QC 400	RPD 0.00	Qualifie
Sample ID: SP 9 @ 1' (H Chloride, SM4500CI-B Analyte Chloride	001440-17) mg/ Result 14000	kg Reporting Limit 16.0	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Sample ID: SP 9 @ 1' (H Chloride, SM4500Cl-B Analyte Chloride Sample ID: SP 9 @ 1.5'	001440-17) mg/ Result 14000 (H001440-18)	kg Reporting Limit 16.0	Analyzed 05/28/2020	d By: AC Method Blank ND	BS	% Recovery	True Value QC	RPD	Qualifie
Sample ID: SP 9 @ 1' (H Chloride, SM4500Cl-B Analyte Chloride Sample ID: SP 9 @ 1.5' (Chloride, SM4500Cl-B	Result 14000 (H001440-18)	kg Reporting Limit 16.0	Analyzed 05/28/2020 Analyze	d By: AC Method Blank ND d By: AC	BS 384	% Recovery 96.0	True Value QC 400	RPD 0.00	
Sample ID: SP 9 @ 1' (H Chloride, SM4500Cl-B Analyte Chloride Sample ID: SP 9 @ 1.5'	001440-17) mg/ Result 14000 (H001440-18)	kg Reporting Limit 16.0	Analyzed 05/28/2020	d By: AC Method Blank ND	BS	% Recovery	True Value QC	RPD	Qualifie Qualifie

Sample ID: SP 10 @ 1' (H001440-19)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	27200	16.0	05/28/2020	ND	384	96.0	400	0.00	

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 05/27/2020 Sampling Date: 05/26/2020

Reported: 05/29/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 1 SAMPLES AND 1.5 SAMPLES Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: SP 10 @ 1.5' (H001440-20)

Chloride, SM4500CI-B		mg	/kg	Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		20800	16.0	05/28/2020	ND	384	96.0	400	0.00	
Sample ID: SP 11	@	` '								
Chloride, SM4500CI-B		mg,	/kg	Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		60800	16.0	05/28/2020	ND	384	96.0	400	0.00	
Sample ID: SP 11	@	1.5' (H001440-2	2)							
Chloride, SM4500Cl-B		mg	/kg	Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		62400	16.0	05/28/2020	ND	384	96.0	400	0.00	
Sample ID: SP 12	@	1' (H001440-23))							
Chloride, SM4500Cl-B		mg,	/kg	Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		41200	16.0	05/28/2020	ND	384	96.0	400	0.00	
Sample ID: SP 12	@	1.5' (H001440-2	4)							
Chloride, SM4500Cl-B		mg,	-	Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		42400	16.0	05/28/2020	ND	384	96.0	400	0.00	

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-

Fax To: (432) 683-0312

Received: 05/27/2020 Sampling Date: 05/26/2020

Reported: 05/29/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 1 SAMPLES AND 1.5 SAMPLES Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: SP 13 @ 1' (H001440-25)

Chloride, SM4500Cl-B		mg	/kg	Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		43600	16.0	05/28/2020	ND	384	96.0	400	0.00	
Sample ID: SP 13	@	1.5' (H001440-2	6)							
Chloride, SM4500Cl-B		mg,	/kg	Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		50400	16.0	05/28/2020	ND	384	96.0	400	0.00	
Sample ID: SP 14	@	1' (H001440-27))							
Chloride, SM4500Cl-B		mg,	/kg	Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		42400	16.0	05/28/2020	ND	384	96.0	400	0.00	
Sample ID: SP 14	@	1.5' (H001440-2	8)							
Chloride, SM4500Cl-B		mg,	/kg	Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		48800	16.0	05/28/2020	ND	384	96.0	400	0.00	
Sample ID: SP 15	@	1' (H001440-29))							
Chloride, SM4500Cl-B		mg,		Analyze	d By: AC					
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		48000	16.0	05/28/2020	ND	384	96.0	400	0.00	

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 05/27/2020 Sampling Date: 05/26/2020

Reported: 05/29/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 1 SAMPLES AND 1.5 SAMPLES Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: SP 15 @ 1.5' (H001440-30)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 43600 16.0 05/29/2020 ND 416 104 400 3.77 QM-07

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(010)	1000 1 700 (010) 000 1					
Company Name: STA			BILL TO		ANALTOIO	-
Project Manager:		P.O.	#			
Address:		Com	Company: STA			
City:	State: Zip:	Attn:	Attn: Dob Heal			
Phone #:	Fax #:	Address:	ess:			
Project #:	Project Owner:	City:				
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(5/	(5/5) 393-2320 FAA (3/3) 393-	11.0				
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Project Manager:			P.O. #:			
Address:			Company: STA		3	3
City:	State:	Zip:	Attn: Bob Hall			ų
Phone #:	Fax #:		Address:			
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name:		BILL TO		ANALYSIS REQUEST	TST
Project Manager:	P	P.O. #:			
Address:	C	Company: BJA			
City: State:	Zip:	Attn: Bob Hall			
Phone #: Fax #:	А			8	
Project #: Project Owner:		City:	2		
Project Name:	S	State: Zip:			
Project Location: Nes a b 005	דס	Phone #:			
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June 04, 2020

BOB HALL

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: MESA B 05

Enclosed are the results of analyses for samples received by the laboratory on 06/03/20 8:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 06/03/2020 Reported: 06/04/2020

Project Name: MESA B 05
Project Number: 2FT SAMPLES

Project Location: LEA CO

Sampling Date: 06/02/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Kelly Jacobson

Sample ID: SP 1 @ 2' (H001497-01)

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 10000 16.0 06/03/2020 ND 432 108 400 0.00

Sample ID: SP 2 @ 2' (H001497-02)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 48000 16.0 06/03/2020 ND 432 108 400 0.00

Sample ID: SP 3 @ 2' (H001497-03)

Chloride, SM4500Cl-B Analyzed By: GM mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 28400 16.0 06/03/2020 400 0.00 ND 432 108

Sample ID: SP 4 @ 2' (H001497-04)

Chloride, SM4500Cl-B mg/kg Analyzed By: GM Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier Analyte Result % Recovery Chloride 25600 16.0 06/03/2020 ND 432 400 0.00 108

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 06/03/2020 Sampling Date: 06/02/2020

Reported: 06/04/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 2FT SAMPLES Sample Received By: Kelly Jacobson

Project Location: LEA CO

Sample ID: SP 5 @ 2' (H001497-05)

Chloride, SM4500CI-B mg/kg		/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	06/03/2020	ND	432	108	400	0.00	

Sample ID: SP 6 @ 2' (H001497-06)

ma/ka

Chloride, SM4500Cl-B

Chlorido CM4E00CL P

	91	9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9460	16.0	06/03/2020	ND	432	108	400	0.00	

Analyzed By: GM

Sample ID: SP 7 @ 2' (H001497-07)

Cilioride, SM4500CI-B	ilig	rkg	Allalyze	u by: um					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	65600	16.0	06/03/2020	ND	432	108	400	0.00	

Analyzed By CM

Sample ID: SP 8 @ 2' (H001497-08)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	06/03/2020	ND	432	108	400	0.00	

Sample ID: SP 9 @ 2' (H001497-09)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22400	16.0	06/03/2020	ND	432	108	400	0.00	

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To:

(432) 683-0312

Received: 06/03/2020 Sampling Date: 06/02/2020

Reported: 06/04/2020 Sampling Type: Soil Project Name: MESA B 05 Sampling Condition:

Cool & Intact Project Number: **2FT SAMPLES** Sample Received By: Kelly Jacobson

Project Location: LEA CO

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	06/03/2020	ND	432	108	400	0.00	
Sample ID: SP 11 @ 2'	(H001497-11)								
Sample ID: SP 11 @ 2' Chloride, SM4500CI-B	(H001497-11) mg		Analyze	d By: GM					
-	` ,		Analyze Analyzed	d By: GM Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Sample ID: SP 12 @ 2' (H001497-12)

Chlorida EM4E00CL P

Cilioride, SM4500CI-B	ilig/kg		Allalyze	u by. Gi ^o i					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	47600	16.0	06/03/2020	ND	416	104	400	3.77	

Analyzed By CM

Sample ID: SP 13 @ 2' (H001497-13)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	51200	16.0	06/03/2020	ND	416	104	400	3.77	

Sample ID: SP 14 @ 2' (H001497-14)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	54400	16.0	06/03/2020	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keine



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 06/03/2020 Sampling Date: 06/02/2020

Reported: 06/04/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact Sample Received By: Project Number: **2FT SAMPLES** Kelly Jacobson

Project Location: LEA CO

Sample ID: SP 15 @ 2' (H001497-15)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	50400	16.0	06/03/2020	ND	416	104	400	3.77	

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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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Celey D. Kune

+ Cardinal cannot account worked changes Blooce for written changes to IETEL 202 2226



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10	10) 000 1010			1
Company Name:	BTA		BILL TO	ANALYSIS REQUEST
Project Manager:	Bob Hall		P.O. #:	
Address:			Company: BTA	
City:	State:	Zip:	Attn: Bob Hall	
Phone #:	Fax #:		Address:	
Project #:	Project Owner:	64	City:	
Project Name:	2' samples		State: Zip:	
Project Location:	Mesa Dos		Phone #:	
Sampler Name:	PILE		Fax #:	
FOR LAB USE ONLY	5	MATRIX	PRESERV. SAMPLING	Δ.
Lab I.D.	Sample I.D.	RAB OR (C)OM ONTAINERS DUNDWATER STEWATER - DGE	IER : D/BASE: / COOL IER :	
thion 1	7 7	GR WA SO OIL	AC ICE OT DATE	TIME (2)
~	2 2	-	6/2/20	9:26 +
22	= (2) × 1	0 05 	4 42/20	7)
57-	2 2 5	00u - -	x 12/20	11.27 &
6	6 2.	-	× 6/2/20	11:42
24	7 2	_	× 6/2/20	1:59 7
0 ×	2	-	× 6/2/20	Die's A
5-	2 6 6	x)	X 9/1/20	2:00
PLEASE NOTE: Liability and analyses. All claims including a service. In no event shall Card	eni's exclusive rer cause whatsoever quental damages	nedy for any claim arising whether based in contract or fort, shall be limited to the arisont paid by the client for the shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the shall be deemed within 30 days after completion of the shall be deemed to the shall be deemed t	or tort, shall be limited to the arrount paid dreceived by Cardinal within 30 days after loss of use, or loss of profits incurred by disease of use, or loss of profits incurred by disease of the phone trained received.	ount paid by the client for the days and the applicable starts after a completion of the applicable starts by client. Its substitutes, and the applicable starts by client. Its substitutes,
Relinquished By:	Relinquished By: Date: 3.70	Received By:		Phone Result:
Relinquished By:	Date: Time:	Received By:	-	Midwel O expertencinaservices .com.
Delivered By: (Circle One) Sampler - UPS - Bus - Other	(Circle One) _ 8°C	Sample Condition Sample Condition No. 1 Yes	ion CHECKED BY: (Initials) s	
		Т		



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

a a		CHECKED BY: (Initials)	Sample Condition Cool Intact Yes Yes	Delivered By: (Circle One) _ . 8c	Delivered By: (0 Sampler - UPS - E
Michila expertencioservica-con	Moh	~	Received By:	Date:	Relinquished By:
Add'l Fax #:	□ Yes	8	Necessed by.	Time:	Kelinquisned by:
Add'i Phone #:	*	of use, or loss of profits incurred by a used upon any of the above stated re-	nages, including without limitation, business interruptions, loss of hereunder by Cardinal, regardless of whether such daim ly bases		service. In no event shall Cardina affiliates or successors arising out
	id by the dient for the completion of the applicable	shall be limited to the amount pair and by Cardinal within 30 days after	ny claim arising whether based in contract or tort,	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	PLEASE NOTE: Liability and Dar
					-
	3:07 X	x Orino	X	1502	150
	7:59 ×	x 6/2/20	-	· 14 @ 2'	198 1
	2:49 x	62	~ ~	1302	300
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1	TIME CL		# CON GROU WAST SOIL OIL SLUD OTHE		HOOHAT
		BASE: COOL ER:	R:	Sample I.D.	Lab I.D.
a		i2	RS	380	
	NG	PRESERV. SAMPLING	MATRIX	×	FOR LAB USE ONLY
		#:	Fax #:	N. NEY	Sampler Name:
		Phone #:		Meson Boy	Project Location:
		e: Zip:	Samples State:	BAJO 7'SAA	Project Name:
		20	City:	Project Owner:	Project #:
		Address:	Add	Fax #:	Phone #:
		BOOK HOW	Zip: Attn:	State:	City:
		Company: STA	Con		Address:
		#:	P.O. #:	Bob Hall	Project Manager:
ANALYSIS REQUEST		BILL TO		BTA	Company Name:

+ Pardinal annual annual corbal abaneon Blanca for written abaneon to IRTEL 202 3236



June 16, 2020

BOB HALL

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: MESA B 05

Enclosed are the results of analyses for samples received by the laboratory on 06/12/20 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-03

Fax To: (432) 683-0312

Received: 06/12/2020 Sampling Date: 06/05/2020

Reported: 06/16/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 3FT & 4FT SAMPLES Sample Received By: Kelly Jacobson

Project Location: LEA CO

Sample ID: SP 1 @ 3' (H001571-01)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier Analyte Result 6800 Chloride 16.0 06/15/2020 ND 448 400 0.00 112

Sample ID: SP 1 @ 4' (H001571-02)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 5600 16.0 06/15/2020 ND 448 112 400 0.00

Sample ID: SP 2 @ 3' (H001571-03)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 6000 16.0 06/15/2020 400 0.00 ND 448 112

Sample ID: SP 2 @ 4' (H001571-04)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Reporting Limit Analyzed Method Blank True Value QC RPD Qualifier Analyte Result BS % Recovery Chloride 6800 16.0 06/15/2020 ND 448 400 0.00 112

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 06/12/2020 Sampling Date: 06/05/2020

Reported: 06/16/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 3FT & 4FT SAMPLES Sample Received By: Kelly Jacobson

Project Location: LEA CO

Sample ID: SP 3 @ 3' (H001571-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	102000	16.0	06/15/2020	ND	448	112	400	0.00	
Sample ID: SP 3 @	4' (H001571-06)								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14800	16.0	06/15/2020	ND	448	112	400	0.00	
Sample ID: SP 4 @	3' (H001571-07)								
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12500	16.0	06/15/2020	ND	448	112	400	0.00	
Sample ID: SP 4 @	4' (H001571-08)								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15300	16.0	06/15/2020	ND	448	112	400	0.00	
Sample ID: SP 6 @	3' (H001571-09)								
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	117000	16.0	06/15/2020	ND	448	112	400	0.00	

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

(10-) 110 10

Received: 06/12/2020 Sampling Date: 06/05/2020

Reported: 06/16/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 3FT & 4FT SAMPLES Sample Received By: Kelly Jacobson

Project Location: LEA CO

Sample ID: SP 6 @ 4' (H001571-10)

Sample ID: SP 6 @ 4' (F	1001571-10)								
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	120000	16.0	06/15/2020	ND	448	112	400	0.00	
Cample ID: CD 7 @ 21/1									
Sample ID: SP 7 @ 3' (F	1001571-11)								
Chloride, SM4500Cl-B	1001571-11) mg/	kg	Analyze	d By: AC					
•	-	Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B	mg/		<u> </u>	<u> </u>	BS 432	% Recovery	True Value QC 400	RPD 3.77	Qualifier QM-07

Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22400	16.0	06/15/2020	ND	432	108	400	3.77	

Sample ID: SP 8 @ 3' (H001571-13)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	137000	16.0	06/15/2020	ND	432	108	400	3.77	

Sample ID: SP 8 @ 4' (H001571-14)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	125000	16.0	06/15/2020	ND	432	108	400	3.77	

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 06/12/2020 Sampling Date: 06/05/2020

Reported: 06/16/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 3FT & 4FT SAMPLES Sample Received By: Kelly Jacobson

Project Location: LEA CO

Sample ID: SP 9 @ 3' (H001571-15)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	111000	16.0	06/15/2020	ND	432	108	400	3.77	
Sample ID: SP 9 @ 4' (I	H001571-16)								
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	47200	16.0	06/15/2020	ND	432	108	400	3.77	
-	(H001571-17)								
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48800	16.0	06/15/2020	ND	432	108	400	3.77	
Sample ID: SP 10 @ 4'	(H001571-18)								
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	54400	16.0	06/15/2020	ND	432	108	400	3.77	
Sample ID: SP 11 @ 3'	(H001571-19)								
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	121000	16.0	06/15/2020	ND	432	108	400	3.77	

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 06/12/2020 Sampling Date: 06/05/2020

Reported: 06/16/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 3FT & 4FT SAMPLES Sample Received By: Kelly Jacobson

Project Location: LEA CO

Sample ID: SP 11 @ 4' (H001571-20)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	52800	16.0	06/15/2020	ND	432	108	400	3.77	
Sample ID: SP 12 @ 3' (H001571-21)								
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	120000	16.0	06/15/2020	ND	432	108	400	3.77	
Sample ID: SP 12 @ 4' (H001571-22)								
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	125000	16.0	06/15/2020	ND	432	108	400	3.77	
Sample ID: SP 13 @ 3' (H001571-23)								
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	117000	16.0	06/15/2020	ND	432	108	400	3.77	
Sample ID: SP 13 @ 4' (H001571-24)								
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	52800	16.0	06/15/2020	ND	432	108	400	3.77	

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Celey D. Keine



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 06/12/2020 Sampling Date: 06/05/2020

Reported: 06/16/2020 Sampling Type: Soil

Project Name: MESA B 05 Sampling Condition: Cool & Intact
Project Number: 3FT & 4FT SAMPLES Sample Received By: Kelly Jacobson

Project Location: LEA CO

Sample ID: SP 14 @ 3' (H001571-25)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 135000 432 16.0 06/15/2020 ND 108 400 3.77

Sample ID: SP 14 @ 4' (H001571-26)

Chloride, SM4500Cl-B Analyzed By: AC BS RPD Analyte Result Reporting Limit Analyzed Method Blank True Value QC Qualifier % Recovery 47600 16.0 06/15/2020 432 400 3.77 Chloride ND 108

Sample ID: SP 15 @ 3' (H001571-27)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 123000 06/15/2020 400 16.0 ND 432 108 3.77

Sample ID: SP 15 @ 4' (H001571-28)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC **RPD** Qualifier Chloride 127000 16.0 06/15/2020 ND 432 108 400 3.77

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Celeg D. Freene



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

Cardinal Laboratories *=Accredited Analyte

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Celeg & Freene

channes to 15751 202 3236



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Phone Result:	Received By:	Date: (2)	Relinquished By:
service. In no event shall Cortinal be liable for incidential or consequential damages, including white unlesses we undered unless made in writing and received by Cardinal writing 30 days after completion of the applicable service. In no event shall Cortinal be liable for incidential or consequential damages, including white unless including white unless including white unless of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	se whasvever shall be desured walved unless made in writing and received all damages, including without limitation, business interruptions, loss of services hereunder by Cardinal, regardless of whether such claim is bass	imposes, en camis invaturil ginose for inspiligence and any other cause with asserted state. Ferrice, in no event shall Cordinable liable for indidental or consequental damages, inclusing the consequental damages, inclusing the consequence of services hereunder to fiftiales or successors arising out of or related to the performance of services hereunder to	ervice. In no event shall Card
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Address:		Fax #:	Phone #:
Attn: Bob Hall	Zip:	State:	City:
Company: ISTA			Address:
			Project Manager:
BILL TO ANALYSIS REQUEST		BTA	Company Name:

+ Paralinal cannat account worked changes Blance for written changes to 18751 202 2226



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	BTA		BILL TO	ANALYSIS REQUEST	
Project Manager:	Beb Hall		P.O. #:		
Address:		0	Company: Dob Hall		
City:	State:	Zip:	Attn:		
Phone #:	Fax #:		Address:		
Project #:	Project Owner:		City:		
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TLEASE NOTE: Libility and Damages, Cardina's libility and state analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or conse affiliates or successors arising out of or related to the performance.	nages. Cardinal's liability and client's exclusive remedy for se for negligence and any other cause whatsoever shall be to incidental or consequental damages, incident the liable for incidental or consequental damages, incident of or related to the performance of services hereunder by	nedy for any daim arising whether based in contract a shall be deenned waived unless made in writing and including without imitation, usiness interruptions, to race drinks the careful as the Cardinal recordinate of whether a such classic including without imitations of whether a such classic including without a recordinate of whether a such classic including without and without a such classic including without a such classic	PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereinder by Cardinal remarkers of whether such terms in board was not the other contract by client, its subsidiaries,	pplicable	
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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IS REQUEST	ANALYSIS				BILL TO	BI				BTA	Company Name:



July 19, 2021

BOB HALL

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: MESA B #5

Enclosed are the results of analyses for samples received by the laboratory on 07/15/21 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021
Reported: 07/19/2021
Project Name: MESA B #5

Project Number: NOT GIVEN
Project Location: LEA CO

mg/kg

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WALL 48 @ 2 (H211852-01)

BTEX 8021B

BIEX GOEED	9/	119	Analyze	a 27.110					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	211	105	200	5.94	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	214	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	90.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.3	% 38.9-14	2						

Analyzed By: MS

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Celey D. Keine



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/12/2021 Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Jodi Henson

Project Location: LEA CO

Sample ID: WALL 50 @ 2 (H211852-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-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	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	211	105	200	5.94	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	214	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	85.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.6	% 38.9-14	2						

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Celey D. Keine



07/12/2021

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Sampling Date:

Received: 07/15/2021 Reported: 07/19/2021

Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact

Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

07/16/2021

Sample ID: WALL 27 @ 2 (H211852-03)

RTFY 8021R

Total BTEX

DILX 0021D	ilig	r Kg	Allalyze	u by. MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	< 0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	

ND

Applyzod By: MC

Surrogate: 4-Bromofluorobenzene (PID 101 % 69.9-140

< 0.300

0.300

Chloride, SM4500CI-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	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	211	105	200	5.94	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	214	107	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.3-133 Surrogate: 1-Chlorooctadecane 88.1 % 38.9-142

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Celey D. Keene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021
Reported: 07/19/2021
Project Name: MESA B #5

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 29 @ 2 (H211852-04)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	117 9	% 38.9-14	2						

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Celey D. Keene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/12/2021

Reported: 07/19/2021 Sampling Type: Soil
Project Name: MESA B #5 Sampling Condition: Cool & Intact

Project Number: NOT GIVEN Sample Received By: Jodi Henson
Project Location: LEA CO

Sample ID: WALL 31 @ 2 (H211852-05)

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	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B mg/		'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 9	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5 Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 33 @ 2 (H211852-06)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	104 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	118 9	% 38.9-14	2						

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07/12/2021

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date:
Reported: 07/19/2021 Sampling Type:

Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact

Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: WALL 35 @ 2 (H211852-07)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
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	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	117	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 37 @ 2 (H211852-08)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114	% 38.9-14	2						

Analyzed By: MS

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021
Reported: 07/19/2021
Project Name: MESA B #5

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 47 @ 2 (H211852-09)

BTEX 8021B

	9/	9	71.14.1, = 0	= 7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	117 9	% 38.9-14	22						

Analyzed By: MS

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/12/2021

Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: WALL 49 @ 2 (H211852-10)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	92.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021
Reported: 07/19/2021
Project Name: MESA B #5

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 20 @ 2 (H211852-11)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021
Reported: 07/19/2021
Project Name: MESA B #5

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 25 @ 2 (H211852-12)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	97.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	22						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 24 @ 2 (H211852-13)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112	% 38.9-14	22						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

 Received:
 07/15/2021

 Reported:
 07/19/2021

 Project Name:
 MESA B #5

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WALL 34 @ 2 (H211852-14)

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	07/16/2021	ND	1.81	90.6	2.00	3.74	
Toluene*	<0.050	0.050	07/16/2021	ND	1.95	97.7	2.00	3.97	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.89	94.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.67	94.5	6.00	4.27	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
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	07/16/2021	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	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	117 9	% 38.9-14	2						

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Celey D. Keine



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

 Received:
 07/15/2021

 Reported:
 07/19/2021

 Project Name:
 MESA B #5

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 36 @ 5 (H211852-15)

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	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	118	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021
Reported: 07/19/2021
Project Name: MESA B #5

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 38 @ 5 (H211852-16)

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	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	119	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021

Reported: 07/19/2021
Project Name: MESA B #5
Project Number: NOT GIVEN

Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WALL 40 @ 2 (H211852-17)

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	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	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	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	% 38.9-14	2						

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Celey D. Keine



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 42 @ 2 (H211852-18)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 69.9-14	0						
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	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	119	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021 Project Name: MESA B #5

Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 44 @ 2 (H211852-19)

BTEX 8021B	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/16/2021	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	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104 9	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/12/2021 Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Jodi Henson

Project Location: LEA CO

Sample ID: WALL 46 @ 2 (H211852-20)

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	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/16/2021	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	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	109 %	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	122 %	% 38.9-14	2						

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07/12/2021

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: Reported: 07/19/2021 Sampling Type:

ma/ka

Reported:07/19/2021Sampling Type:SoilProject Name:MESA B #5Sampling Condition:Cool & IntactProject Number:NOT GIVENSample Received By:Jodi Henson

Analyzed By: MC

Project Location: LEA CO

Sample ID: WALL 39 (H211852-21)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116	% 38.9-14	2						

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Celeg D. Freene



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

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/12/2021

Reported: 07/19/2021 Sampling Type: Soil Project Name: MESA B #5 Sampling Condition: Cool & Intact

Sample Received By: Project Number: NOT GIVEN Jodi Henson Project Location: LEA CO

Sample ID: WALL 41 (H211852-22)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2021	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	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	105 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	118 9	% 38.9-14	2						

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07/12/2021

Sampling Date:

Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021

Reported:07/19/2021Sampling Type:SoilProject Name:MESA B #5Sampling Condition:Cool & IntactProject Number:NOT GIVENSample Received By:Jodi Henson

Project Location: LEA CO

Sample ID: WALL 43 (H211852-23)

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	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	208	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	218	109	200	0.922	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	121	% 38.9-14	2						

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Celey D. Keine



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/12/2021

Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: LEA CO

ma/ka

Sample ID: WALL 45 (H211852-24)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/16/2021	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	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	93.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.5	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

ma/ka

 Received:
 07/15/2021
 Sampling Date:
 07/12/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: LEA CO

Sample ID: WALL 51 (H211852-25)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.2	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

 Received:
 07/15/2021

 Reported:
 07/19/2021

 Project Name:
 MESA B #5

Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 4 @ 5 (H211852-26)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	90.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.5	% 38.9-14	22						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021

Reported: 07/19/2021 Project Name: MESA B #5 Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 6 @ 5 (H211852-27)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	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	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	91.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.5	% 38.9-14	2						

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Jodi Henson

Sample Received By:

Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-

Fax To: (432) 683-0312

NOT GIVEN

Received: 07/15/2021 Sampling Date: 07/12/2021

Reported: 07/19/2021 Sampling Type: Soil
Project Name: MESA B #5 Sampling Condition: Cool & Intact

Project Location: LEA CO

Sample ID: WALL 8 @ 5 (H211852-28)

Project Number:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	89.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.5	% 38.9-14	2						

Analyzed By: MC

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5 Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 10 @ 3 (H211852-29)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	90.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.4	% 38.9-14	2						

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07/12/2021

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: Reported: 07/19/2021 Sampling Type:

Soil Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Jodi Henson

Project Location: LEA CO

Sample ID: WALL BETWEEN 15 - 17 (H211852-30)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	92.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.0	% 38.9-14	2						

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07/12/2021

Soil

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date:
Reported: 07/19/2021 Sampling Type:

ma/ka

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: LEA CO

Sample ID: WALL 1 (H211852-31)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500CI-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	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	92.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.2	% 38.9-14	2						

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07/12/2021

Soil

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: Reported: 07/19/2021 Sampling Type:

ma/ka

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: LEA CO

Sample ID: WALL 2 (H211852-32)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	90.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.1	% 38.9-14	2						

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Celey D. Keine



07/12/2021

Soil

Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: Reported: 07/19/2021 Sampling Type:

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson
Project Location: LEA CO

Sample ID: WALL 3 (H211852-33)

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	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	92.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.5	% 38.9-14	2						

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Celey D. Keine



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/12/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: LEA CO

mg/kg

Sample ID: WALL 5 (H211852-34)

BTEX 8021B

	9/	9	71.14.1, = 0	= 7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.13	106	2.00	4.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.19	110	2.00	6.52	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.10	105	2.00	8.95	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.39	106	6.00	9.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	94.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.4	% 38.9-14	22						

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Celey D. Keene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/12/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: WALL 7 (H211852-35)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	91.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.5	% 38.9-14	2						

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Celey D. Keine



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/12/2021 Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Jodi Henson

Project Location: LEA CO

Sample ID: WALL 9 (H211852-36)

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	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	97.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.2	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

ma/ka

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 11 (H211852-37)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
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	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	93.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.7	% 38.9-14	2						

Analyzed By: MC

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021
Reported: 07/19/2021
Project Name: MESA B #5

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 12 (H211852-38)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	81.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.9	% 38.9-14	2						

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Celey D. Kune



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

ma/ka

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 13 (H211852-39)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	86.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.5	% 38.9-14	2						

Analyzed By: MC

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 14 (H211852-40)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	88.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.1	% 38.9-14	22						

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 16 (H211852-41)

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	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	88.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.6	% 38.9-14	22						

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/12/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: WALL 18 (H211852-42)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	< 0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	82.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.5	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/12/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: LEA CO

ma/ka

Sample ID: WALL 19 (H211852-43)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2021	ND	218	109	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/16/2021	ND	210	105	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2021	ND					
Surrogate: 1-Chlorooctane	76.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.8	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/12/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: WALL 21 (H211852-44)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	< 0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	80.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.8	% 38.9-14	22						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 22 (H211852-45)

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	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	< 0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	< 0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	93.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	22						

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Celey D. Kreine



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

ma/ka

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WALL 23 (H211852-46)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150	Reporting Limit 0.050 0.050 0.050	Analyzed 07/16/2021 07/16/2021	Method Blank ND	BS 1.85	% Recovery 92.5	True Value QC	RPD	Qualifier
<0.050 <0.050	0.050	, ,		1.85	92.5	2.00		
<0.050		07/16/2021	ND			2.00	4.48	
	0.050		ND	2.00	99.9	2.00	4.58	
<0.150		07/16/2021	ND	1.94	96.8	2.00	4.18	
	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
<0.300	0.300	07/16/2021	ND					
100	% 69.9-14	0						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
176	16.0	07/16/2021	ND	416	104	400	3.77	
mg,	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
<10.0	10.0	07/17/2021	ND					
95.6	% 44.3-13.	3						
105	% 38.9-14	2						
	<0.300 100 9 mg/ Result 176 mg/ Result <10.0 <10.0 95.6	<0.300 100 % 69.9-14 mg/ky Result Reporting Limit 176 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0	IO0 % 69.9-140 mg/kg 69.9-140 Result Reporting Limit Analyzed 176 16.0 07/16/2021 mg/kg Analyzed Result Reporting Limit Analyzed < 10.0 10.0 07/17/2021 < 10.0 10.0 07/17/2021 < 10.0 10.0 07/17/2021 < 10.0 10.0 07/17/2021 < 10.0 44.3-133	<0.300 07/16/2021 ND 100 % 69.9-140 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	<0.300 07/16/2021 ND 100 % 69.9-140 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	< 0.300 07/16/2021 ND 100 % 69.9-140 mg/ky Analyzed By: AC Result Reporting Limit 16.0 07/16/2021 ND 416 104 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	< 0.300 07/16/2021 ND 100 % 69.9-140 mg/ky Analyzed By: AC Result Reporting Limit Analyzed Nethod Blank BS % Recovery True Value QC 176 16.0 07/16/2021 ND 416 104 400 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	< 0.300 07/16/2021 ND 100

Analyzed By: MC

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Celeg D. Freene



07/12/2021

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: Reported: 07/19/2021 Sampling Type:

ma/ka

Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact

Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: WALL 26 (H211852-47)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	99.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112	% 38.9-14	2						

Analyzed By: MC

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Celey D. Keene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021 Project Name: MESA B #5

Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 28 (H211852-48)

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	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	113 9	38.9-14	2						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 30 (H211852-49)

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	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 38.9-14	22						

Cardinal Laboratories

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Celey D. Keene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021
Reported: 07/19/2021
Project Name: MESA B #5

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/12/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: WALL 32 (H211852-50)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/13/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BS - 19 (H211852-51)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	97.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/13/2021

Reported: 07/19/2021 Sampling Type: Soil Project Name: MESA B #5 Sampling Condition: Cool

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson
Project Location: LEA CO

Sample ID: BS - 20 (H211852-52)

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	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	98.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107	% 38.9-14	2						

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Celey & Keene



07/13/2021

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: Reported: 07/19/2021 Sampling Type:

ma/ka

Reported:07/19/2021Sampling Type:SoilProject Name:MESA B #5Sampling Condition:Cool & IntactProject Number:NOT GIVENSample Received By:Jodi Henson

Analyzed By: MC

Project Location: LEA CO

Sample ID: BS - 21 (H211852-53)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	97.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 38.9-14	2						

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Celey D. Keine



LEA CO

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

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/13/2021

Reported: 07/19/2021 Sampling Type: Soil Project Name: MESA B #5 Sampling Condition: Cool

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Sample ID: BS - 25 (H211852-54)

Project Location:

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	07/16/2021	ND	1.85	92.5	2.00	4.48	
Toluene*	<0.050	0.050	07/16/2021	ND	2.00	99.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	1.94	96.8	2.00	4.18	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	5.83	97.2	6.00	3.58	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	108	% 38.9-14	2						

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Celey D. Keene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5
Project Number: NOT GIVEN
Project Location: LEA CO

Sampling Date: 07/13/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BS - 26 (H211852-55)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	< 0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/13/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: BS - 1 (H211852-56)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	< 0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	97.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107	% 38.9-14	22						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/13/2021

Reported: 07/19/2021 Sampling Type: Soil MESA B #5

Project Name: Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Jodi Henson

Project Location: LEA CO

Sample ID: BS - 3 (H211852-57)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/13/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: LEA CO

mg/kg

Sample ID: BS - 4 @ 4 (H211852-58)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116	% 38.9-14	2						

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Celey D. Keine



07/13/2021

Cool & Intact

Jodi Henson

Soil

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Sampling Date:

Received: 07/15/2021 Reported: 07/19/2021

ma/ka

Reported:07/19/2021Sampling Type:Project Name:MESA B #5Sampling Condition:Project Number:NOT GIVENSample Received By:

Project Location: LEA CO

Sample ID: BS - 5 (H211852-59)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500CI-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	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107	% 38.9-14	2						
•									

Analyzed By: MC

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/13/2021 Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Jodi Henson

Project Location: LEA CO

Sample ID: BS - 74 (H211852-60)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
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	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	100 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	113 9	6 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/13/2021 Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Jodi Henson

Project Location: LEA CO

Sample ID: BS - 75 (H211852-61)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	90.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103 9	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5 Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/13/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BS - 76 (H211852-62)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	91.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102 9	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/13/2021

Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Jodi Henson

Project Location: LEA CO

Sample ID: BS - 77 (H211852-63)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
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	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	209	104	200	1.93	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	223	111	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5 Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/13/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BS - 80 (H211852-64)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
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	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	228	114	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	225	112	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	88.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.2	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-03

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/13/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: BS - 81 (H211852-65)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	228	114	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	225	112	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	90.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.4	% 38.9-14	22						

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07/13/2021

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Sampling Date:

Received: 07/15/2021 Reported: 07/19/2021

Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact

Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: BS - 89 (H211852-66)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
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	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	228	114	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	225	112	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	89.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.1	% 38.9-14	22						

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Celey D. Keene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5 Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/13/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BS - 90 (H211852-67)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-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	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	228	114	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	225	112	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	87.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.2	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Sampling Date: 07/13/2021 Reported: 07/19/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Jodi Henson

Project Location: LEA CO

Sample ID: BS - 15 (H211852-68)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	07/16/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	228	114	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	225	112	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.1	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-03

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/13/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: BS - 18 (H211852-69)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	228	114	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	225	112	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	90.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.4	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5 Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/13/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BS - 6 (H211852-70)

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	07/16/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/16/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	< 0.050	0.050	07/16/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/16/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/16/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	69.9-14	0						
Chloride, SM4500CI-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	07/16/2021	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	07/17/2021	ND	228	114	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	225	112	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	80.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.0	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/15/2021 Reported: 07/19/2021

Project Name: MESA B #5 Project Number: NOT GIVEN Project Location: LEA CO

Sampling Date: 07/13/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BS - 7 (H211852-71)

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	07/17/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/17/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/17/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/17/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-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	07/16/2021	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	07/17/2021	ND	228	114	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	225	112	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	88.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.2	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

 Received:
 07/15/2021
 Sampling Date:
 07/13/2021

 Reported:
 07/19/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: LEA CO

Sample ID: BS - 8 (H211852-72)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2021	ND	2.02	101	2.00	1.39	
Toluene*	<0.050	0.050	07/17/2021	ND	2.15	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	07/17/2021	ND	2.05	102	2.00	0.562	
Total Xylenes*	<0.150	0.150	07/17/2021	ND	6.23	104	6.00	1.35	
Total BTEX	<0.300	0.300	07/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/16/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2021	ND	228	114	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/17/2021	ND	225	112	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/17/2021	ND					
Surrogate: 1-Chlorooctane	93.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.7	% 38.9-14	2						

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Notes and Definitions

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

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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Celeg D. Freene



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

company Name: 514 011 200 ducas	S BILL TO	ANALYSIS REQUEST
Project Manager:	P.O. #:	
Address:	Company: BT	
City: State:	Zip: Attn: Son	Hall
Phone #: Fax #:	Address:	
Project #: Project Owner:		
Project Name:	State: Zip:	
Project Location: MeSu \$ 5	#	
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Relinquished By: Date: Time:	Received By:	Michael alus @ alues of (Field South ons. org
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Sampler - UPS - Bus - Other: -1.30 #	# 1/3 Pres Pres	A Popularies
+ Cardinal cannot accent workal changes Blosse	in witten channel (FFF) and done	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST ρg 2 of

Company Name: " No No			
Project Manager:	ALONG S	BILL TO	ANALYSIS REQUEST
Address:		7.0.#	
City:	State: Zip:	Affr. Por	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:		State: Zin:	
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T-CASE MVIET. Liability and Damages, Caddhal's liability and clients acclasive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Caddhal the label for incledated or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries existence or related to the performance of services they cardinal the deem of whether such claims is based unon any of the above stated or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliates or successings/initiating out of or related to the performance of services therefore by Cardinal, regardless or whether such claims is based unon any of the above stated or consequential damages.	is audisilive remedy for any claim arising whether based in contractive what over shall be deemed waived unless made in writing an ential damages, including without limitation, business interruptions, services hereurate thy Cardinal, regardless of whether such claim,	TCASE MULE: Liability and Damages, Cardinal's liability and client's acquisive remedy for any claim arising whether based in contract or forf, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be label for incidental or consequential damages, including whether labels where the service. In no event shall Cardinal be labels for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successings/insign out of or related to the performance of services hereunder by Cardinal, regardless of whether succh dains is based unon any of the above shade moreoned.	
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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST $\rho \neq 3$

Project Manager VID 011 4 PROVICE	B/LL 70	ANALYSIS DECLIECT
i ojeci maliagel:	P.O. #:	
Address:	Company: 874	
City: State: Zip:	Attn: &	
Phone #: Fax #:	SSS:	
Project #: Project Owner:	City:	
Project Location: MES 6 B	Diame. Zip:	
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PLEASE NOTE: Liability and Damages, Cardinal's liability and dient's exclusive remedy for any claim a analyses. All claims including those for neoficence and account.	any claim arising whether based in contract or tort, shall be limited to the amount hald by the claim to the	XX
SAVIOS. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, boss of use, or loss of profits incurred by Cardinal within 30 days after competition of the applicable affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or or theories. Relinants bod.	ental damages, including without limitation, business interruptions, loss of use, or loss of profits incrust by dignt at subsidiaries, services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or nharmon.	ble
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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: DTA OI PROJEC	. BILL	70 ANALYSIS BEDLIEST
Project Manager:	P.O. #:	
Address:	Company: 8	
City: State:	5	Hall
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Delivered By: (Circle One) Sampler - UPS - Bus - Other: - 1.54 #	# 1/3 Cool Intact CHECKED BY	
† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326	se fax written changes to (575) 393-2326	
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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State: Zip: Address: City: Fax #: Address: Zip: State: Zip: Project Owner: City:	OLF OIL	\$60 mcm	ANALYSIS REQUEST
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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

DIM O'r DIDG	JOCHCE1.	BILL TO	ANALYSIS REQUEST
Project Manager:		P.O. #:	
Address:		Company: BTA	
City: State:	Zip:	-	
Phone #: Fax #:		Address:	
Project #: Proje	Project Owner:	City:	
Project Name:		State: Zip:	
Project Location: VNESG 35		Phone #:	
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326	s. Please fax written changes to (57		
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(3/3) 393-2320 FAX (3/3) 393-24/6	AA (3/3) 393-24/6				1 1 6
Company Name: BIA Oil	Janhan	BILL TO		ANALYSIS REQUEST	1
Project Manager:		P.O. #:			-
Address:		Company: 5TA			
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



101 East Marland, Hobbs, NM 88240

(5/5) 393-2326 Company Name: 25-7			89
Project Manager:	c by source	P.O.#:	ANALYSIS REQUEST
Address:		Company:	
City:	State: Zip:	p 16	
Phone #:	Fax #:		
Project #:	Project Owner:	City:	
Project Name:		State: Zip:	
Project Location: WYESE [D5	#	
Sampler Name: Wishel	Comez	Fax#	
FOR LAB USE ONLY			
Lab I.D. Samp	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL	SLUDGE DTHER: ACID/BASE: CE/COOL DTHER: DATE THER: BY EX	
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July 26, 2021

BOB HALL

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: MESA B #5

Enclosed are the results of analyses for samples received by the laboratory on 07/23/21 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/23/2021 Reported: 07/26/2021

Project Name: MESA B #5 Project Number: NONE GIVEN Project Location: LEA CO

Sampling Date: 07/19/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: BS 67 (H211935-01)

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	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/23/2021	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	76.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.8	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/23/2021 Sampling Date: 07/19/2021 Reported: 07/26/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: LEA CO

Sample ID: BS 68 (H211935-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/23/2021	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	83.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.8	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/23/2021 Reported: 07/26/2021

Project Name: MESA B #5 Project Number: NONE GIVEN Project Location: LEA CO

Sampling Date: 07/19/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: BS 66 (H211935-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/23/2021	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	77.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.3	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/23/2021 Reported: 07/26/2021

Project Name: MESA B #5
Project Number: NONE GIVEN
Project Location: LEA CO

Sampling Date: 07/19/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WALL 135 (H211935-04)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/23/2021	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.6	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/23/2021

Reported: 07/26/2021
Project Name: MESA B #5
Project Number: NONE GIVEN
Project Location: LEA CO

Sampling Date: 07/19/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WALL 128 @ 4' (H211935-05)

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	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/23/2021	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	134	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	134	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

 Received:
 07/23/2021
 Sampling Date:
 07/19/2021

 Reported:
 07/26/2021
 Sampling Type:
 Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: WALL 129 @ 4' (H211935-06)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/23/2021	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	84.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.7	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/23/2021 Reported: 07/26/2021

Project Name: MESA B #5
Project Number: NONE GIVEN
Project Location: LEA CO

Sampling Date: 07/19/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WALL 131 @ 2' (H211935-07)

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	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/23/2021	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	75.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.3	% 38.9-14	12						

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Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 07/23/2021 Reported: 07/26/2021

Project Name: MESA B #5
Project Number: NONE GIVEN
Project Location: LEA CO

Sampling Date: 07/19/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WALL 132 @ 2' (H211935-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/23/2021	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	77.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.3	% 38.9-14	2						

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Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/23/2021 Sampling Date: 07/19/2021 Reported: 07/26/2021 Sampling Type: Soil

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: LEA CO

Sample ID: WALL 133 @ 2' (H211935-09)

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	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/23/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	75.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.7	% 38.9-14	2						

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07/19/2021

Soil

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 07/23/2021 Sampling Date:
Reported: 07/26/2021 Sampling Type:

Project Name: MESA B #5 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: WALL 134 @ 2' (H211935-10)

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	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	M4500Cl-B mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/23/2021	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	75.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.5	% 38.9-14	22						

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07/19/2021

Soil

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 07/23/2021 Sampling Date: Reported: 07/26/2021 Sampling Type:

Project Name: MESA B #5 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: LEA CO

Sample ID: WALL 130 @ 15' (H211935-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.91	95.7	2.00	6.25	
Toluene*	<0.050	0.050	07/23/2021	ND	2.05	102	2.00	7.08	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.97	98.4	2.00	6.00	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	07/23/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/23/2021	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					
Surrogate: 1-Chlorooctane	80.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.5	% 38.9-14	2						

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Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: 0 12 0	
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PLEASE NOTE: Liability and Damages, Cardinat'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 waited unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinate be liable for incidental or consensurated demances in-further wait-in-attention.	ntract or tort, shall be limited to the amount paid by the client for the og and received by Cardinal within 30 days after completion of the applicable
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326	to (575) 393-2326
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Page 14 of 15

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Cool Intact
A Yes
No No

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DIA	Produces	BILL TO		ANALYSIS REQUEST
		P.O. #:		ANALIGIO REGUEO
Address:		Company: 8TA		
City: S	State: Zip:	Attn: Park Hall		
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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	sive remedy for any claim arising whether based in contract or i	tort, shall be limited to the amount paid b	by the client for the	
service. In no event shall Cardinab label for incidental or consequental damages, including without unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinab label for incidental or consequental damages, including without limitation, business intemptions, loss or use, or loss of profits incurred by client, its substitutes, filliation or successors arising out of or related to the performance of services hereunder by Cardinal, reparatess of whether such claim is based upon any of the above stated reasons or otherwise. Relimination of the control of the performance of services hereunder by Cardinal, reparatess of whether such claim is based upon any of the above stated reasons or otherwise.	nt shall Cudrial be label for incleanted or consequent damages, including without an extension withing and received by Cardinal within 30 days at shall Cudrial be labeled to incleanted or consequental damages, including without initiation, business interruptions, loss of use, or loss of posts incurred b toors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated on the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated on the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated on the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated on the performance of services.	ceived by Cardinal within 30 days after or of use, or loss of profits incurred by clie assed upon any of the above stated reasons.	completion of the applicable lent, its subsidiaries, sons or otherwise.	
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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

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

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

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

CONDITIONS

Action 68056

CONDITIONS

Operator:	OGRID:
OWL SWD OPERATING, LLC	308339
8201 Preston Road	Action Number:
Dallas, TX 75225	68056
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	1/14/2022