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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 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

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

Printed Name: Bob Have	Title: ENVIRONMENTAL MGR.	
Signature: Beltell	Date: 9/23/2021	
email: bhalle btaoil.com	Telephone: (432) 682 · 3753	
OCD Only		
Received by: Chad Hensley	Date: 10/13/2021	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date: 10/13/2021	
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced	

Printed Name:

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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 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

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

Printed Name: BB HALL	Title: ENVIRONMENTAL MGR.	
Signature: Bloghall	Date: 9/23/2021	
email: bhallebtaoil.com	Telephone: (432) 682-3753	
OCD Only		
Received by: Chad Hensley	Date: 10/13/2021	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date: 10/13/2021	
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced	

Printed Name:

BTA Oil Producers (BTA)

Unit letter E & M, Section 7, Township 26S Range 33E

Lea County, New Mexico

Incident Number - NRM2015756964

Incident Number - nAPP2126455144

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



Released to Imaging: 10/13/2021 2:44:45 PM

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.v
- 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 I- C-141

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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

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)

Site Name: Mesa B #5H Produced Water Line NORTH END	Site Type: Flowline
Date Release Discovered: 7/13/2020	API# (<i>if applicable</i>) Nearest well: Mesa B #001 API #30-025-30662

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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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	The spill volume is unknown but is believed to be greater than 25 BBL due to the extent of the
🛛 Yes 🗌 No	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

 \boxtimes 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:

ADDITIONAL INFORMATION

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: Blatfalf	Date: 9/21/2021
email: bhall@btaoil.com	Telephone: 432-682-3753
OCD Only	
Received by:	Date:



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Incident ID	NRM2015756964
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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# (<i>if applicable</i>) 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

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Volume Released (bbls) 276 BBL Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Volume Recovered (bbls) 0 BBL (corrected)
	Yes No
,	
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
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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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	The spill volume was greater than 25 BBL, which the NMOCD Rules define as a major
🛛 Yes 🗌 No	release.
If YES, was immediate ne	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
No. The release was	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

 \boxtimes 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 not been undertaken, explain why:

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:
 Date:
 Correction 9/21/2021

email: bhall@btaoil.com Telephone: 432-682-3753

OCD Only

Received by: _____ Date: _____

District I 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

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Application ID	

Release Notification

Responsible Party

Responsible Party: OWL SWD Operation, LLC	OGRID: 380339
Contact Name: Mr. Phillip Sanders	Contact Telephone: 210-906-3551
Contact email: <u>psanders@oilfieldwaterlogistics.com</u>	Incident # (assigned by OCD)
Contact mailing address: 8201 Preston Road, Suite 520, Dallas,	
Texas 75225	

Location of Release Source

Latitude 32.059697_

Longitude : 103.616531_ (NAD 83 in decimal degrees to 5 decimal places)

Site Name Harrier Surface Line	Site Type Pipeline Easement
Date Release Discovered 10.4.2020 9:55am	API# (if applicable): N/A

Unit Letter	Section	Township	Range	County
L2, L3, L4	7,18	26S	33E	Lea
L1				

Surface Owner: State Federal Tribal Private (*Name:* BLM

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)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls): 4,800	Volume Recovered (bbls): 60
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	X 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: Unkno	own vehicle ran over the pipeline, causing a rupture.	

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ge 2	Oil Conservation Division	District RP	
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Was this a major	If YES, for what reason(s) does the responsible par	ty consider this a major release?	
release as defined by 19.15.29.7(A) NMAC?	The release is larger than 25bbls.		
🛛 Yes 🗌 No			
	hotice given to the OCD? By whom? To whom? Wh Bratcher with the OCD and Jim Amos with the BLM r		

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

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email: <u>esanders</u> email: <u>esanders</u> email: <u>esanders</u> esanders	Title: $-SEDigectoR$ Date: $10/S/20$ Telephone: (432)269-3735
OCD Only Received by:	Date:

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Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- \underline{X} Depth to water determination
- X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- X Boring or excavation logs
- Photographs including date and GIS information
- X Topographic/Aerial maps
- \square 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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		Facility ID
		Application ID
regulations all operators public health or the envi failed to adequately inve	are required to report and/or file certain release notification ronment. The acceptance of a C-141 report by the OCD estigate and remediate contamination that pose a threat to be of a C-141 report does not relieve the operator of resp Control of a C-141 report does not relieve the operator of a C-141 report does not relieve the operator of a C-141 report does not relieve the operator of a C-141 report does not relieve the operator of a C-141 report does not relieve the operator of a C-141 report does not does not does not does not relieve the operator of a C-141 repor	t of my knowledge and understand that pursuant to OCD rules and attions and perform corrective actions for releases which may endanger 0 does not relieve the operator of liability should their operations have o groundwater, surface water, human health or the environment. In ponsibility for compliance with any other federal, state, or local laws itle: $\frac{1}{12}$
Received by:		Date:

Received by OCD: 9/23/2021 12:50:52 PM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

 Image: Detailed description of proposed remediation technique

X Scaled sitemap with GPS coordinates showing delineation points

 \boxed{X} Estimated volume of material to be remediated \boxed{X} Closure criteria is to Table 1 specifications subj

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

X 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 confirmed as part of any request for deferral of remediation.			
	roduction equipment where remediation could cause a major facility		
Extents of contamination must be fully delineated.			
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.		
rules and regulations all operators are required to report and/or file of which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local I Printed Name:	e 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			
Signature:	Date:		

Page 5

Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: _____ Title: _____ Signature: Date: Telephone: email: **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Date:
Printed Name:	Title:

Appendix II- Sitemaps

Received by OCD: 9/23/2021 12:50:52 PM BIA OII Producers

Mesa B 8115 JV-P Com 5H (Close Well) M-7-26S-33E API-30-025-42128 32.0514 -103.6187 5,532 SQ FT

> EP6 EP5 EP4 EP5

> > 100 m

1 115.2

+19

SP1

SP2

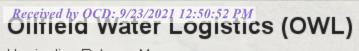
SP

3

CReleased to Imaging: 10/13/2021 2:44:45 PM







Harrier line Release Map



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

Zug Rellis

Zach Robbins Technical and Engineering Analyst RXSoil, Inc. (210) 400-7645

Table of Contents

١.	Background	3
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	Determinations	

Figures

1.	Vicinity Map	4
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Appendix

Α.	Well Records	8

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.

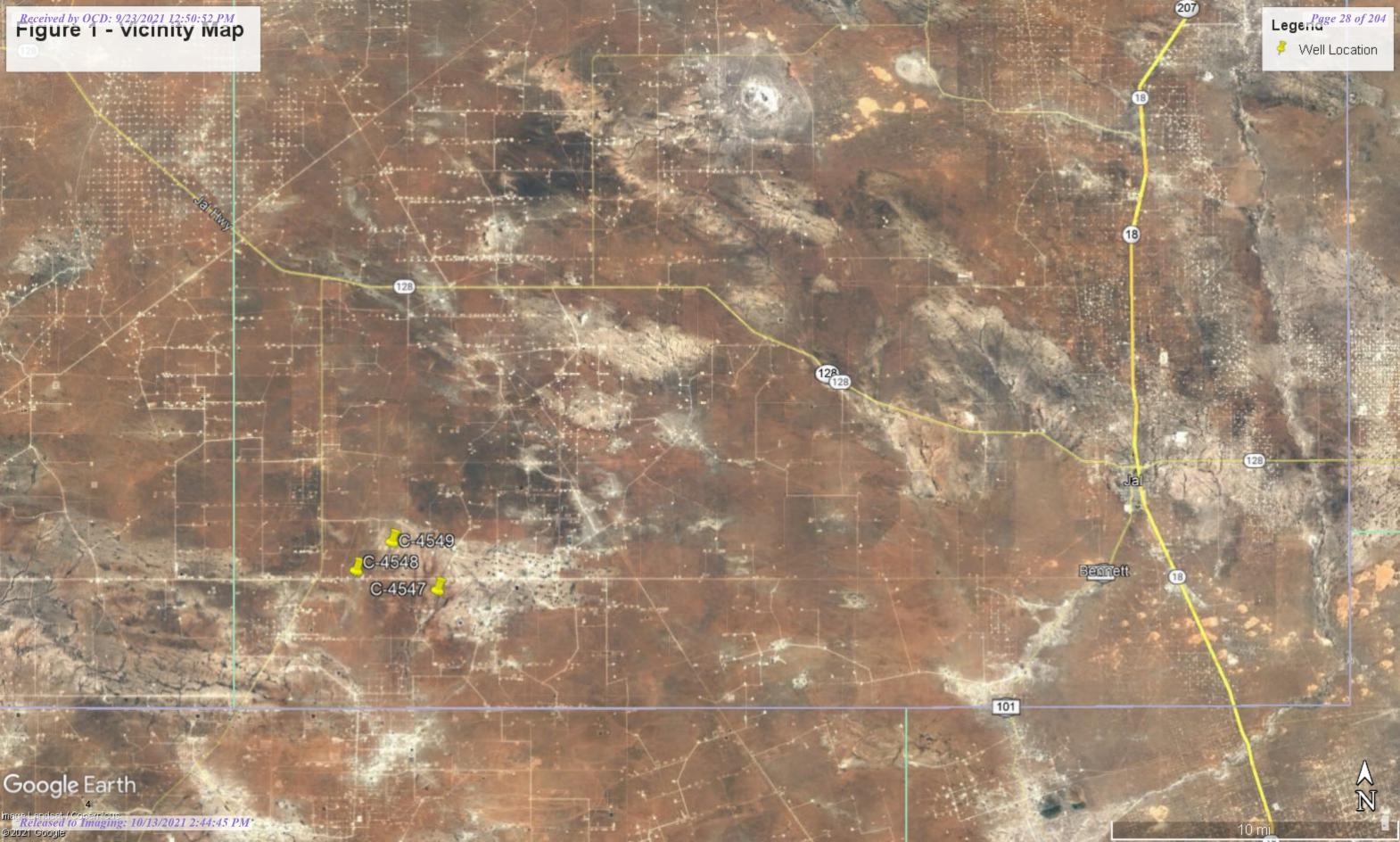
II. Findings

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 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	<u> </u>

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.





Legend



Area of Inclusion - 0.5 mile radii connected

Page 29 of 204

A N

1 mi

🗧 Well Location

APPENDIX A

WELL RECORDS



07/29/2021

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

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,

Grow Middle

Lucas Middleton

Enclosures: as noted above





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

05E DIT ALIG 2 2021 PM 2:50

NO	OSE POD NO. (WELL NO.) WELL TAG ID NO. POD1 (MW-1) n/a							OSE FILE NO(S). C-4547						
OCATI	WELL OWNE BTA Oil Pr							PHONE (OPTIONAL)						
MELL L	WELL OWNER MAILING ADDRESS 104 S. Pecos St.							CTTY STATE ZIP Midland TX 79701						
GENERAL AND WELL LOCATION	WELL LOCATION LA		DI TITUDE	EGREES 32	32 3 14.34 _N				ACCURACY REQUIRED: ONE TENTH OF A SECOND					
NER	(FROM GPS	^{S)} LOI	NGITUDE	103	36	16.9	96 W	* DATUM REG	QUIRED: WGS 84					
Big Description relating well location to street address and common landmarks - plss (section, township, range) where available Image: Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image: Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image: Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image: Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image: Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image: Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image Description relating well location to street address and common landmarks - plss (section, township, range) where available Image Description relating well location to street address														
_	LICENSE NO. 1249 Jackie D. Atkins MAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.										nc.			
	DRILLING ST 07/15/2		DRILLING ENDED 07/15/2021		OMPLETED WELL (FT rary well material			le depth (ft) 112	DEPTH WATER FIRS		COUNTERED (FT) DOWN			
N	COMPLETED	WELL IS:	ARTESIAN	T DRY HO	LE 🔽 SHALLOV	W (UNCO	NFINED)		STATIC WATER LEV		COMPLETED WE 9.5	LL (FT)		
DIT	DRILLING FL	UID:	AIR	∏ MUD	ADDITTVI	ES – SPEC	IFY:							
FORM	DRILLING MI	ETHOD:	ROTARY	HAMMER CABLE TOOL TOTHE			R - SPECIFY: Hollow Stem Auger							
2. DRILLING & CASING INFORMATION	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)			CONN	ASING VECTION VPE ing diameter)	I		SING WALL HICKNESS (inches)	SLOT SIZE (inches)		
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NG &	21	112	±3.5	Boring- Air Rotary										
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5.]														
			_											
				1										
د	DEPTH (BORE HOLE DIAM. (inches)	1	IST ANNULAR SE				AMOUNT		METHO PLACEM			
RIAJ	FROM	TO	DIAW, (inches)	GRA	VEL PACK SIZE-	KANGE	BYINIE	RVAL	(cubic feet)		FLACEN			
NTE														
K M/	· · · · · · · · · · · · · · · · · · ·										-			
ANNULAR MATERIAL														
NN														
3. AN										-				
63														
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FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (V	ersion 06/30/17)
FILE NO.	POD NO.		TRN NO.	
LOCATION			TAG ID NO.	PAGE 1 OF 2

.

	DEPTH (1 FROM	DEPTH (feet bgl) THICKNESS COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)						S	WAT BEAR (YES)	ING?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4		Caliche, Consolidated, WI	hite			Y	√ N	
	4	44	40	Sand, Fine-graine	d, poorly graded, with calich	e gravel,	Redish Brown	1	Y	🖌 N	
	44	51	7		Clay, Stiff, Dark Brown	2			Y	√ N	
	51	103	52	Sandston	e, Fine-grained, poorly grade	ed, Tan I	Brown		✓ Y	N	
									Y	N	
Ŧ									Y	N	
WEI									Y	N	
OF									Y	N	
0 0									Y	N	
ICI							_		Y	N	
Eo									Y	N	
E									Y	N	
4. HYDROGEOLOGIC LOG OF WELL									Y	N	
HXD									Y	N	
4									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN			IATED				
	PUM		IR LIFT	BAILER OT	HER – SPECIFY:			WEL	L YIELD	(gpm):	0.00
NO	WELL TES	T TEST	RESULTS - ATT I TIME, END TI	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING V IOWING DISCHARGE AN	WELL 1 D DRAY	ESTING, INC WDOWN OVI	CLUDII ER THI	NG DISCI E TESTIN	HARGE N IG PERIC	METHOD, D.
TEST; RIG SUPERVISION											th and landed ce attached
IES	PRINT NAM	IE(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVIS	SION O	F WELL CON	STRUG	CTION O	THER TH	IAN LICENSEE:
5.]	Shane Eldrid	dge, Camer	on Pruitt, Carm	elo Trevino							
VTURE	CORRECT I	RECORD OF	F THE ABOVE I	ESCRIBED HOLE AN	EST OF HIS OR HER KNO D THAT HE OR SHE WILI PLETION OF WELL DRILI	L FILE '	GE AND BEL THIS WELL F	IEF, TI ECOR	HE FORE	GOING I THE STA	S A TRUE AND ATE ENGINEER
6. SIGNATURE	Jack A	tkins		Jao	kie D. Atkins				07/29	0/2021	
SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE											
FO	R OSE INTER	NALUSE					WR-20 WE	LL REC	CORD &	LOG (Ve	rsion 06/30/2017)
	E NO.				POD NO.		TRN NO.				
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

		02°0w 1000 0 010 00°50
Created:	2021-07-29	195 BIL UPA 5 2021 - 5000
Ву:	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, 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

OSE DIT AUG 2 2021 PM2:43

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,

Guoon Middlam

Lucas Middleton

Enclosures: as noted above



DSE 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

I. GENERAL / WELL OWNERSHIP:

State	Engineer W	ell Number: C-4	548-POD1							
Well	owner: BT	A Oil Producers				_	Phone	No.: 432	.312.2203	
Maili	ng address:	104 S. Pecos St.								
City:				State	:	Т	exas		_ Zip cod	e:
<u>п. w</u> 1)		GGING INFORM		ed well:	Jackie D. /	Atkins (/	Atkins En	gineering	Associates	s Inc.)
2)	New Me	xico Well Driller	License No.: _	249				Expira	tion Date:	04/30/23
3)		igging activities w Eldridge, Cameror			lowing wel	l driller((s)/rig sup	pervisor(s):	
4)	Date we	ll plugging began	. 07/19/2021		Date	well plu	igging co	ncluded:	07/19/20	21
5)	GPS We	ll Location:	Latitude: Longitude:		deg, deg,	3 39	min, min, _		_ sec _ sec, WG	S 84
6)		f well confirmed a bllowing manner:		ugging as	99	ft be	low grou	nd level (bgl),	
7)	Static w	ater level measure	ed at initiation of	fplugging	g: <u>81.4</u>	ft bg	;l			
8)	Date we	ll plugging plan o	f operations was	s approve	d by the Sta	ate Engi	neer:	6/24/2021		
9)	Were all difference	plugging activitions between the approximately between the approximate	es consistent wit pproved pluggin	th an appr g plan an	oved plugg d the well a	ging plar Is it was	1? plugged	Yes (attach ac	_ If not, Iditional pa	please describe ges as needed):

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.

<u>Depth</u> (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 <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
	0'-99' Portland TYPE I/II Neat Cement Slurry	Approx. 144 gallons	82 gallons	Tremie	
-					
-					
		MULTIPLY E cubic feet x 7.4 cubic yards x 201.9	BYAND OBTAIN805=gallons77=gallons		

III. SIGNATURE:

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

Jack Atkins

07/28/2021

Signature of Well Driller

Date

Version: September 8, 2009 Page 2 of 2

JOC UIT FIUG Z ZUZL PAZ.40

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

Final Audit Report

2021-07-29

I		
	Created:	2021-07-29
	Ву:	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



DSE DIT AUG 2 2021 PM2:49



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	ose pod no. POD1 (M		0.)		WELL TAG ID NO. n/a			OSE FILE NO(S). C-4548					
OCATI	WELL OWNE BTA Oil Pi							PHONE (OPTIONAL)					
WELL 1	WELL OWNE 104 S. Pecc		NG ADDRESS					CITY Midland		state TX	79701	ZIP	
GENERAL AND WELL LOCATION	WELL LOCATIO (FROM GP:		D	32 103	MINUTES 3 39	SECON 49.5 9.6	7 N	* ACCURACY * DATUM REC	REQUIRED: ONE TENTH OF A SECOND				
ENE			ONGITUDE					S (SECTION, TO	WNSHJIP, RANGE) WHI	ERE AVA	AILABLE		
1.0	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE NW NE NW Sec. 01 T26S R32E												
	LICENSE NO. NAME OF LICENSED DRILLER 1249 Jackie D. Atkins						0	NAME OF WELL DRI Atkins Eng		COMPANY 3 Associates, II	IC.		
	DRILLING STARTED DRILLING ENDED DEPTH OF COMPLETED WELL (FT) BOR 07/13/2021 07/13/2021 temporary well material BOR							le depth (ft) 110	DEPTH WATER FIRS	T ENCO unkno			
z	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL IN COMPLETED WELL (FT) 81.4							LL (FT)					
ATIO	DRILLING FLUID: 🔽 AIR MUD ADDITIVES – SPECIFY:												
ORM	DRILLING M	ETHOD:	ROTARY	HAMMER	CABLE TO	OOL	OTHE	R – SPECIFY:	Hollo	w Sten	1 Auger		
2. DRILLING & CASING INFORMATION	DEPTH (feet bgl) BORE HOLE FROM TO DIAM (inches) (inches) (inches)		(include of	(include each casing string, and		CONN	ASING NECTION YPE ling diameter)	CASING INSIDE DIAM. (inches)	NSIDE DIAM. THICKNES		SLOT SIZE (inches)		
& C	0	110	±8.5		Boring- HSA								
SNI													
RILI													
2. D													
Ţ	DEPTH	(feet bgl) TO	BORE HOLE DIAM. (inches)	1	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL					METHO PLACEM			
ERIA	FROM	10											
3. ANNULAR MATERIAL													
AR													
INN													
3. Aľ													
FOR	OSE INTER	NAL US	Е					WR-20) WELL RECORD &	k LOG	(Version 06/30	/17)	

LOCATION WELL TAG ID NO. PAGE 1 OF 2	FILE NO.	POD NO.	TRN NO.			
	LOCATION	WE	LL TAG ID NO.	PAGE 1 OF 2		

OSE DIT AUG 2 2021 PM2:50

	DEPTH (1 FROM	reet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIAL EN R-BEARING CAVITIES OI plemental sheets to fully de	R FRAC	TURE ZONES	5	WA' BEAR (YES	ING?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	19	19	Sand, Medium grained, poorly graded, increasing clay, Grayish Brown					Y	√ N	
	19	24	5		l, poorly graded, with Grave				Y	√ N	
	24	39	15		-Fine grained, poorly graded				Y	√ N	
	39	44	5		m -Fine grained, poorly grad				Y	√N	
	44	59	15		ained, poorly graded, increas	-		n. dan	Y	√ N	
-	59	79	20		asticity, with fine-grained sar				Y	√ N	
HYDROGEOLOGIC LOG OF WELL	79	97	15		city, with fine-grained sand, 1				√ Y	N	
ΕW	97		13		icky, with fine-grained sand,	_		_	√ Y	N	
0 0	97	110	15	Clay, mou resuctly, se	icky, with mic-gramed said,	Dark K	culai biowii, i	40151	Y	N	
CLO			A				_	_	Y	N	
JG								_	Y	N	
OLA								_	Y	N	
OGE									Y		
DR		1							Y	N N	
4, H)											
	•								Y	N	
								-	Y	N	
3						_		_	Y	N	
								_	Y	N	
								_	Y	N	
									Y	N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:								Y	N	
	METHOD U		_		3 STRATA: HER – SPECIFY:				AL ESTIN L YIELD		0.00
N	WELL TES	T TEST	RESULTS - ATT I TIME, END TI	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING V	WELL 1 D DRAV	ESTING, INC	LUDI R TH	NG DISC E TESTIN	HARGE N IG PERIO	ИЕТНОД, D.
NOISI/	MISCELLA		OBMATION					_			
MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring plugged using tremie pipe to total depth and cement slurry of <6.0 gallons of water per 94 lbs sack of Portland TYPE I/II Neat Cement. See atta Plugging Record. PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LI											
LES.	PRINT NAM	Æ(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVIS	SION O	F WELL CON	STRU	CTION O	THER TH	AN LICENSEE:
5.1	Shane Eldri	dge, Camer	on Pruitt, Carm	elo Trevino							
SIGNATURE	CORRECT I	RECORD O	F THE ABOVE I	DESCRIBED HOLE AN	EST OF HIS OR HER KNO D THAT HE OR SHE WILJ PLETION OF WELL DRILI	L FILE '	GE AND BELI THIS WELL R	EF, T	HE FORE	GOING I THE STA	S A TRUE AND ATE ENGINEER
SIGNA	Jack At	kins		Jao	kie D. Atkins				07/2	9/2021	
¢.		SIGNAT	URE OF DRILLI	ER / PRINT SIGNEE	NAME	-	1977 - 19			DATE	
FO	R OSE INTER	NAL USE					WR-20 WEI	LRE	CORD &	LOG (Ve	rsion 06/30/2017)
	E NO.				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

USE DIT 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,

Guoon Middlin

Lucas Middleton

Enclosures: as noted above



PLUGGING RECORD



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

.

I. GENERAL / WELL OWNERSHIP:

State	Engineer Well Number: C-4549-POD1						
Well	owner: BTA Oil Producers			Pl	hone No.: 432	.312.2203	
Maili	ing address:						
City:	Midland	State:		Texa	S	_ Zip cod	e:
<u>n. w</u> 1)	VELL PLUGGING INFORMATION: Name of well drilling company that plug	ged well: _	ackie D. A	Atkins (Atki	ns Engineering	Associates	s Inc.)
2)	New Mexico Well Driller License No.:						
3)	Well plugging activities were supervised Shane Eldridge, Cameron Pruitt, Carme	l by the follo					
4)	Date well plugging began:07/19/202	1	_ Date	well pluggi	ng concluded:	07/19/20	21
5)	GPS Well Location: Latitude: Longitude:	32 103	_deg, _deg,		nin, <u>40.92</u> nin, <u>53.68</u>	_ sec _ sec, WG	S 84
6)	Depth of well confirmed at initiation of p by the following manner: weighted tape	plugging as:	103	ft below	ground level (bgl),	
7)	Static water level measured at initiation	of plugging:	n/a	ft bgl			
8)	Date well plugging plan of operations w	as approved	by the Sta	te Engineer	r:6/24/2021	_	
9)	Were all plugging activities consistent w differences between the approved pluggi	ith an approving plan and	ved plugg the well a	ing plan? _ s it was plu	Yes Igged (attach a	_ If not, Iditional pa	please describe ages as needed):

OSE DIT AUG 2:2021 PM2:50

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.

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	<u>Theoretical Volume</u> of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("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	
-		MULTIPLY E cubic feet x 7.4	3Y AND OBTAIN 1805 = gallons		
		cubic yards x 201.5	97 = gallons		

For each interval plugged, describe within the following columns:

III. SIGNATURE:

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

Jack Atkins

07/28/2021

Signature of Well Driller

Date

Version: September 8, 2009 Page 2 of 2

2021-07-28C-4549-POD1_Plugging Recordforsign

Final Audit Report

2021-07-29

- 1		
	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



OSE DIT AUG 2 2021 PM2:50



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NOI	ose pod no POD1 (M	(W-1)			WELL TAG ID NO. n/a			OSE FILE NO(S). C-4549				
OCAT	WELL OWNI BTA Oil P				·			PHONE (OPTIONAL)				
GENERAL AND WELL LOCATION	WELL OWNI 104 S. Pecc		NG ADDRESS					CITY Midland		state TX 79701	ZIP	
AND	WELL LOCATIO	N T		DEGREES 32	MINUTES 4	SECON 40.		* ACCURACY REQUIRED: ONE TENTH OF A SECOND				
NERAI	(FROM GP	's) H	LATTTUDE	103	37	53.		* DATUM REG	QUIRED: WGS 84			
1. GE	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE NW NW NW Sec. 11 T26S R32E											
	LICENSE NO. NAME OF LICENSED DRILLER 1249 Jackie D. Atkins								NAME OF WELL DRI Atkins Eng	LLING COMPANY ineering Associates,	Inc.	
	DRILLING ST 07/14/		DRILLING ENDED 07/14/2021		MPLETED WELL (FI rary well materia			le depth (ft) 103	DEPTH WATER FIRS	ST ENCOUNTERED (FI n/a)	
N	COMPLETED WELL IS: TARTESIAN TO DRY HOLE SHALLOW (UNCONFINED)						STATIC WATER LEV	EL IN COMPLETED W n/a	ELL (FT)			
ATIC	DRILLING FI	DRILLING FLUID: 7 AIR MUD ADDITIVES - SPECIFY:										
DRM	DRILLING M	ETHOD:	ROTARY	HAMME	R 🗍 CABLE T	OOL	✓ OTHER	R - SPECIFY:	Hollo	w Stem Auger		
2. DRILLING & CASING INFORMATION	DEPTH	(feet bgl) BORE HOLE	CASING	MATERIAL AND)/OR	CA	SING	CASING	CASING WALL	SLOT	
	FROM TO DIAM (inches)		Dum	(include note	GRADE each casing string, sections of screen)	and	CONN	ECTION YPE ing diameter)	INSIDE DIAM. (inches)	THICKNESS (inches)	SIZE (inches)	
& C	0	103	±8.5		Boring- HSA		-					
ŊG												
ILL												
.DR												
7												
									·			
						-						
	DEPTH	(feet bgl)			ST ANNULAR SE	EAL MA	TERIAL A	ND	AMOUNT	METHO	DD OF	
IAL	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE-	RANGE	BY INTE	RVAL	(cubic feet)	PLACE	MENT	
TER												
MA'	_											
AR												
3. ANNULAR MATERIAL												
Y AN				+								
E.				+								
				1								

FOR OSE INTERNAL USE	WR-20 WELL RECORD & LOG (Version 06/30/17)			
FILE NO.	POD NO.		TRN NO.	
LOCATION		WELI	, TAG ID NO.	PAGE 1 OF 2

.

	UDE UN HUR Z ZIZI PMZ SQ										
	DEPTH (f	èet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIA R-BEARING CAVITIE: plemental sheets to full	S OR FRAC	TERED - TURE ZONES	B	WATER EARING? (ES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	0	4	4		Caliche, Consolidated	c, Consolidated, White				(gr/	
	4	9	5	Calich	e, Consolidated , with fir		[an	-	Y √N Y √N		
	. 9	14	5		Caliche, Consolidated,				Y √N		
	14	19	5	Calich	e, Consolidated , with fir		^r an		Y √N		
	19	69	50	The second second second	ined poorly graded, with	The second second		_	Y √N		
	69	79	103	the second s	y, Stiff, High Plasticity, I				Y √N		
TELI			105		,, buil, inge i includiy, i			_	Y N		
F W				1		10.0	en de ar		Y N		
000								_	Y N		
CLC			P						Y N		
1 DO			·					_	Y N		
IO								_	Y N		
4. HYDROGEOLOGIC LOG OF WELL				· · · · · · · · · · · · · · · · · · ·				_	Y N		
YDR									Y N		
4. H		· · · · ·							Y N		
								_	Y N		
		1							Y N		
0								_	Y N		
								_	Y N		
									Y N		
			12					_	Y N		
	METHOD U	SED TO ES	TIMATE VIELD	OF WATER-BEARING					STIMATED		
									ELD (gpm):	0.00	
		, L'U			HER - SPECIFY:						
/ISION	WELL TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.										
VIS	MISCELLA	NEOUS INF	ORMATION: Te	mporary well materia	als removed and the so	il boring b	ackfilled using	drill cutt	ings from to	tal depth to ten	
TEST; RIG SUPERV			fe	et below ground surfa	ce, then hydrated bent	onite chips	from ten feet	below gro	ound surface	to surface.	
G SI											
; RI											
TEST	PRINT NAM	E(S) OF DE	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPER	VISION OI	F WELL CONS	TRUCTIO	N OTHER TH	IAN LICENSEE:	
5.1	Shane Eldric	ige, Camer	on Pruitt, Carm	elo Trevino							
URE	CORRECT F	ECORD OI	F THE ABOVE I	DESCRIBED HOLE AN	EST OF HIS OR HER K D THAT HE OR SHE V PLETION OF WELL DI	VILL FILE ?	GE AND BELIE THIS WELL RE	F, THE F CORD W	OREGOING I ITH THE STA	IS A TRUE AND ATE ENGINEER	
SIGNATURE	Jack A	tkins		Jac	ckie D. Atkins			0	07/29/2021		
¢,		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME				DATE		
							NID 60 100-	proor		ning 0(/20/0017	
r	<u>R OSE INTERI</u> E NO.	NALUSE			POD NO.		WR-20 WELI TRN NO.	RECOR	J&LUG(Ve	rsion 06/30/2017)	
-	CATION					WEIT	TAG ID NO			PAGE 2 OF 2	

DSE DITALIG 2 2021 PM2:50

END OF REPORT

Appendix IV- Site Photos

Photo Page



Excavation started on location



Excavation in progress on location



Photo of the washed out road due to Heavy rain



Continuing excavation on location



Flooded excavation due to heavy rain



20 ML liner installed in excavation



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

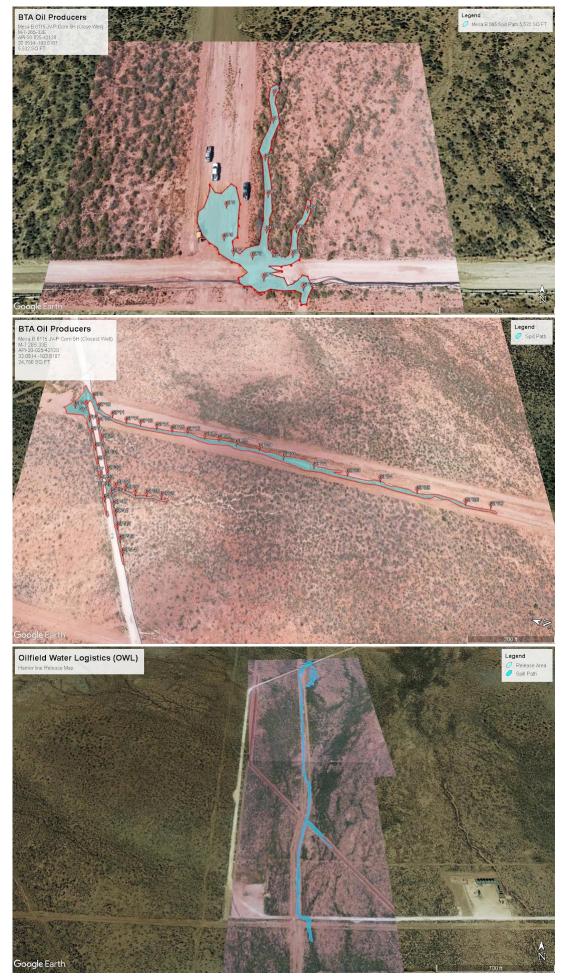
MICHAEL ALVES <michaelalves@alvesoilfieldsolutions.org> Wed, Apr 14, 2021 at 10:20 AM To: jamos@blm.gov, Bob Hall <bhall@btaoil.com>, Michael@expertenviroservices.com, Katherine Beldon <katherine@alvesoilfieldsolutions.org>, Haylee Alves <haylee@alvesoilfieldsolutions.org>

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

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> 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 <u>**DO NOT**</u> open attachments or click links from unknown or unexpected emails. *****

Here you go.

[Quoted text hidden] [Quoted text hidden] [Quoted text hidden]

[Quoted text hidden] [Quoted text hidden]

1, 40.23 AM. 9/23/2021 12:30:32 PM	Alves Oilfield Solutions LLC. Mail - NRM 2015756964	ruge s

[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 <bhall@btaoil.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



Tucker, Shelly J <stucker@blm.gov>

Tue, Sep 7, 2021 at 10:11 AM

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

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[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>, Katherine 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

				Field S	creening					Labor	atory Resul	ts				
		Sample	Sample		Titration			ТРН				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	-1010	-2010	-2010			.0.050	.01050	.01200	-1010	-2010	12010
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	52	10.0	\$10.0	-0.500	-0.050	-0.050	10.050	\$0.150	10.0	10.0	10.0
Wall 5	N,32.05901 W,-103.61716	7/12/21	Ū		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	52	10.0	\$10.0	-0.500	-0.050	-0.050	10.050	\$0.150	10.0	10.0	10.0
Wall 6	11.52.05000 10.105.01725	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	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 8	N32.05874 W,103.61727	6/2/21			2,999	<10.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 8	N32.03874 W,103.01727	6/2/21	2'		1,999											
Wall 8		6/2/21	2 4'		249											
Wall 8		7/12/21	4 5'		249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
		6/2/21	5 6'		249	52	<10.0	<10.0	NU.300	<0.030	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 8	N 22 05074 W 402 64724	7/12/21	D		249	<16.0	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
Wall 9	N,32.05874 W,103.61721	6/7/21			4,248	<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		21			16.0			.0.000	.0.050	.0.050	.0.050	0.450	.10.0	.10.0	.10.0
Wall 10	N 22 05050 W 402 64720	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		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											
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		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,103.61721	6/7/21			949											
Wall 24		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											
Wall 25		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 26	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
Wall 27	N,32.05768 W,103.61712	6/7/21			874											
Wall 27		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			2,124											
Wall 29		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			249	<16.0	<10.0	<10.0	< 0.300	< 0.050	< 0.050	< 0.050	<0.150	<10.0	<10.0	<10.0
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		1		Field So	creening					Labor	atory Resul	lts				—
		Sample	Sample		Titration			TPH			, í	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											
Wall 36		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			3,998											
Wall 37		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 38	N,32.05696 W,103.61723	6/7/21			4,998											
Wall 38		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			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											
Wall 40		6/16/21	2'													
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											
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			999											
Wall 49		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			1,124					0.055		0.055				
Wall 50		7/12/21	2'		449	240	<10.0	<10.0	< 0.300	< 0.050	< 0.050	< 0.050	< 0.150	<10.0	<10.0	<10.0
Wall 51	N,32.0521 W,103.61715	7/12/21			449	320	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.
Wall 52	N,32.05610 W,103.61722	6/8/21	21		949											
Wall 52		6/17/21	2' 4'		3,898											
Wall 52	N 22 05 CO0 W 102 C1715	6/18/21	4		249											
Wall 53	N,32.05609 W,103.61715	6/8/21			249											
Wall 54	N,32.05596 W,103.61720	6/8/21	21		6,997											
Wall 54		6/18/21	2'		249											
Wall 55		6/8/21			249											┢───┤
Wall 56	N,32.05584 W,103.61720	6/8/21	2'		3,199											
Wall 56	l	6/18/21	2	I I	324	I	I		I	I	l	I	I	l	I	I

1				Field Se	creening					Labor	atory Resul	ts				
		Sample	Sample		Titration			ТРН			,	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 57	N,32.05585 W,103.61713	6/8/21			249											
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											

NAME OF Location & Release date OCD TRACKING

				Field Sc	reening					Labor	atory Resul	ts				
	CDC Coordinate	Sample	Sample		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth (fact DCC)	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 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			2,999											
Wall 120		7/16/21	10'		249											
Wall 121	N,32.05165 W,103.61732	6/24/21			449											
Wall 122	N,32.05151 W,103.61733	7/16/21	10'		249											
wall 122		6/24/21			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	1				1										

				Field S	creening					Labor	atory Resu	lts				
		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 140	N,32.05013 W,103.61691	6/25/21			6,797					l l		Ì		Ì		
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											
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			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			1,249											
BS16		6/16/21	4'		3,498											
BS17	N,32.05610 W,103.61720	6/17/21			6,547											
BS17		6/18/21	3'		2,624											
BS17		6/16/21	4'		3,498											
BS18		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
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	41		3,249											
BS22	N 22 05720 W 402 64746	6/21/21	4'		2,499											
BS23	N,32.05720 W,103.61716	6/18/21	41		1,499											
BS23	N 22 05 707 W 102 61 712	6/21/21	4'		2,499											1
BS24	N,32.05707 W,103.61713	6/18/21	4'		1,999											
BS24 BS25	N 22 05645 W 102 61716	6/21/21	4		3,748 249	40	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS25 BS26	N,32.05645 W,103.61716 N,32.05632 W,103.61714	7/13/21 7/13/21			249 249	48 <16.0	<10.0 <10.0	<10.0 <10.0	<0.300 <0.300	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0
BS26	N,32.05596 W,103.61719	6/18/21			5,998	×10.0	×10.0	×10.0	<u>\0.300</u>	NU.U3U	~0.050	~0.030	~0.130	×10.0	×10.0	~10.0
BS27 BS28	N,32.05596 W,103.61719 N,32.05584 W,103.61719	6/18/21			5,998 5,248											1
BS28 BS29					5,248 249											1
BS29 BS30	N,32.05572 W,103.61717 N,32.05560 W,103.61718	6/18/21 6/18/21			249											1
BS30 BS31	N,32.05547 W,103.61718	6/18/21			2,899											1
BS31 BS32	N,.3205573 W,103.61713	6/21/21			2,899											1
DJJZ	14,.3203373 W,103.01/13	0/21/21	I	I I	243	I		l	I	1	I	1	I	1	I	1

Released to Imaging: 10/13/2021 2:44:45 PM

GPS Coordinates

N,32.05534 W,103.61716

N,32.05508 W,103.61716

N,32.05494 W,103.61715

N,32.05521 W,103.61716

Sample

Date

6/21/21 6/22/21

6/22/21 6/22/21

NAME OF Location & Release date OCD TRACKING

Location

BS33

BS34

BS35

BS36

	Mesa B05													
	Sample	Field Sc	reening					Labor	atory Resul				-	
	Donth		Titration			ТРН				Ethyl-	Total	TPH	TPH	TPH
	(feet BGS)	PID Result	Result			GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
	(1000 000)	(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)
L			5,373											
L			2,499											
L			3,373											
L			249											
L			749											
L			1,249											
1			5,998											
L			5,498											
L			374											
L			299											
L			249											
L			249											
L			249											
1			249											
L			1,374											
L			2,949											
L			1,249											
1			324											
1			249											
1			249											
1			374											
L			249											
1			249											

B337 N.32.05480 (v103.6174) G/2/21 749 Image: Constraint of Const	B330	11,52.05494 11,105.01715	0/22/21	249											1
B339 N.2.0434 W108.0714 6/22/21 5.989 5.41 N.2.0442 W108.0712 6/22/21 374 B541 N.2.0454 W108.0712 6/22/21 374 374 374 374 B542 N.2.0542 W108.0172 6/22/21 299 249 374 249 B544 N.2.05349 W108.6197 6/23/21 249 249 249 249 B545 N.2.05349 W108.6197 6/23/21 249	BS37	N,32.05480 W,103.61714	6/22/21	749											
B3401 N.20.0400 w.036 h712 672/21 5498 I	BS38	N,32.05466 W,103.61413	6/22/21	1,249											1
B3401 N.20.0400 w.036 h712 672/21 5498 I	BS39	N.32.05453 W.103.61714	6/22/21	5.998											
B41 N32 0542 W.103 61712 6/22/11 744 749 <td< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>				-											
842 N.32.0540 W.103.61073 6/22/11 299 I				-											1
BS43 N.32.05406 W.103.61697 67.3/21 249 BS44 N.32.05379 W.103.61695 6/23/21 249 BS45 N.32.05379 W.103.61695 6/23/21 249 BS46 N.32.0538 W.103.61695 6/23/21 249 BS47 N.32.0538 W.103.61695 6/23/21 2,949 BS47 N.32.0538 W.103.61698 6/23/21 2,949 BS50 N.32.0532 W.103.61705 6/23/19 324 BS51 N.32.0532 W.103.61705 6/23/19 324 BS51 N.32.0532 W.103.61714 6/23/19 249 BS52 N.32.0532 W.103.61714 6/23/19 249 BS53 N.32.0532 W.103.61714 6/23/19 249 BS53 N.32.0527 W.103.61714 6/24/21 249 BS56 N.32.0528 W.103.6174 6/24/21 249 BS57 G/24/21 249 449 BS56 G/24/21 249 449 BS561 G/24/21 249 449 BS661 G/24/21 249 449 BS661 G/24/21 249 449				-											1
B544 N.32.0532 W.103.61697 6/23/21 249 1 B546 N.32.0538 W.103.61695 6/23/21 1,374 1 B547 N.32.0538 W.103.61695 6/23/21 1,374 1 B548 N.32.0538 W.103.61695 6/23/21 1,374 1 B549 N.32.0538 W.103.61695 6/23/21 1,249 1 B549 N.32.0532 W.103.61700 6/23/19 324 1 B550 N.32.0532 W.103.61708 6/23/19 324 1 B551 N.32.0532 W.103.61714 6/23/19 324 1 B552 N.32.0532 W.103.61714 6/23/19 324 1 B553 N.32.0532 W.103.61714 6/23/19 324 1 B556 6/24/21 249 1 1 B557 N.32.0532 W.103.61714 6/23/19 374 1 B558 N.22.0527 W.103.6174 6/24/21 249 1 1 B556 6/24/21 249 1 1 1 1 B557 N.22.0527 W.103.6174 6/24/21 249 1															
B546 N.32.05378 W.103.61695 6(72)/21 249 Image: Constraint of the															
BSA6 N.32.05364 W.103.61695 6/23/21 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,374 1,299 1,															
BS47 N32.05339 U.03.61695 6/23/21 1,374 L															
BS48 N32.05328 W,103.61698 6/23/21 2,949 1,2															
BS49 N,32.05326 W,103.61700 6/23/21 1,29 324 I				-											
BSS0 N,32.05312 W,103.61705 6/23/19 249 L	BS48	N,32.05338 W,103.61698	6/23/21	2,949											
BS51 N,32.05300 W,103.61708 6/23/19 249 I		N,32.05326 W,103.61700													
BS52 N,32.05287 W,103.61714 6/23/19 249 Image: Constraint of Constrant of Constraint of Constrant of Constraint of Constr	BS50	N,32.05312 W,103.61705		324											
BS53 N,32.05274 W,103.61718 6/23/19 374 L	BS51	N,32.05300 W,103.61708	6/23/19	249											
B556 6/24/21 249	BS52	N,32.05287 W,103.61714	6/23/19	249											
BS57 6/24/21 249	BS53	N,32.05274 W,103.61718	6/23/19	374											
BS58 6/24/21 374 L <t< td=""><td>BS56</td><td></td><td>6/24/21</td><td>249</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	BS56		6/24/21	249											
BS59 6/24/21 249 1 <t< td=""><td>BS57</td><td></td><td>6/24/21</td><td>249</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	BS57		6/24/21	249											
BS59 6/24/21 249 1 <t< td=""><td>BS58</td><td></td><td>6/24/21</td><td>374</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	BS58		6/24/21	374											
B860 6/24/21 6/24/21 449 L	BS59		6/24/21	249											
BS61 6/24/21 449 L <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
BS62 6/24/21 4,373 4,373 249 240 249 249 249 249 249 249 249 249 2410 240 240 249															
BS63 6/24/21 249 240 240 240 240 240 240 249 240 249 249 240 240 249 240 240 240 240 240 240 240 240 240 240 240 240 240 240 240 240 240 240															
BS64 6/24/21 249 A <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
BS65 6/24/21 4,448 4,448 549 336 c10.0 c10.0 c0.500 c0.500 <thccolor< th=""> <thcolor< th=""> c0.50</thcolor<></thccolor<>															
BS66 7/19/21 549 336 <10.0 <10.0 <0.300 <0.050 <0.050 <0.150 <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 7/19/21 312 288 <10.0 <10.0 <0.300 <0.050 <0.050 <0.050 <0.150 <10.0 <10.0 <10.0 BS68 N,32.05038 W,103.61697 7/19/21 352 <10.0 <10.0 <0.300 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <															
BS67 7/19/21 3,199 288 <10.0 <10.0 <0.300 <0.050 <0.050 <0.150 <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 -					226	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS68 7/19/21 N32.05038 W,103.61697 7/19/21 N32.05038 W,103.61697 N32.05026 W,103.61697 N32.05026 W,103.61697 N32.05026 W,103.61692 N32.05026 W,103.61692 N32.05014 W,103.61691 6/25/21 6.872 N.32.05014 W,103.61691 6/25/21 6.872 N.32.05002 W,103.61685 6/25/21 6.872 N.32.05015 W,103.61723 6/25/21 N.32.05915 W,103.61723 6/25/21 N.32.05915 W,103.61723 6/25/21 N.32.05915 W,103.61723 6/25/21 N.32.05915 W,103.61723 6/25/21 N.32.05938 W,103.61723 7/13/21 S40 S40 S40.00 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050															<10.0
BS69 N,32.05038 W,103.61697 L Image: Constraint of the constra				5,199											
BS70 N32.05026 V,103.61692 V </td <td></td> <td>N 22 05020 W 102 61607</td> <td>//19/21</td> <td></td> <td>352</td> <td><10.0</td> <td><10.0</td> <td><0.300</td> <td><0.050</td> <td><0.050</td> <td><0.050</td> <td><0.150</td> <td><10.0</td> <td><10.0</td> <td><10.0</td>		N 22 05020 W 102 61607	//19/21		352	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
BS71 N,32.05014 W,103.61691 6/25/21 6,872 2,249 1,149 549 540															
BS72 N,32.05002 W,103.61685 6/25/21 2,249 1,149 540			- / /												
BS73 N,32.05915 W,103.61723 6/25/21 1,149 L <thl< th=""> <thl< th=""> L</thl<></thl<>				-											
BS74 N,32.05898 W,103.61723 7/13/21 549 352 <10.0 <0.300 <0.050 <0.050 <0.150 <10.0 <10.0 BS75 N,32.05883 W,103.61726 7/13/21 249 <16.0				-											
BS75 N,32.05883 W,103.61726 7/13/21 249 <16.0 <10.0 <0.300 <0.050 <0.050 <0.150 <10.0 <10.0 BS76 N,32.05867 W,103.61724 7/13/21 249 48 <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
															<10.0
B577 N,32.05853 W,103.61724 7/13/21 374 288 <10.0 <10.0 <0.300 <0.050 <0.050 <0.050 <10.0 <10.0 <10.0				-	-										<10.0
					288	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
B578 N,32.05842 W,103.61726 6/25/21 5,373 5,373	BS78	N,32.05842 W,103.61726	6/25/21	5,373											
BS79 N,32.05832 W,103.61724 6/25/21 1,949	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 <10.0 <10.0 <10.0	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 <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	BS82	N,32.05798 W,103.61723		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															
	· ·	, .					I		•						. •

		1		Field S	reening					Labor	atory Resul	ts]
		Sample	Sample		Titration			ТРН			. ,	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
		2410	(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		6/9/21			249											
SP36SW		6/9/21			1,699											
SP36EW		6/9/21			249											
SP36WW		6/9/21			249											
SP36SW		6/9/21	5'		2,874											
SP36SW		6/10/21	20'													
SP40NW		6/10/21	5'													
SP40NW		6/9/21			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 SP43WW		6/9/21			249 249											
		6/9/21			_											
SP45NW		6/9/21			499											
SP45SW		6/9/21			249											
SP45EW		6/9/21	5'		2,749											
SP45EW		6/9/21	Э		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	1	6/10/21	1	I	249	I	I		1	I		1	I		I	

				Field S	creening					Labor	atory Resul	ts				i
		Sample	Sample		Titration			ТРН		20001		Ethyl-	Total	ТРН	ТРН	TPH
Location	GPS Coordinates	Date	Depth	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	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)
SP49SW		6/10/21		、 ,	624	(0, 0,	(0, 0,	(0, 0,	(0, 0,	(0, 0,	(0, 0,		(0, 0,	(0, 0,	(0, 0,	
SP49SW		6/21/21	5'		749											1 1
SP49SW		6/21/21	10'		249											1 1
SP49EW		6/10/21	10		374											1 1
SP49WW		6/10/21			249											1 1
SP51NW		6/10/21			2,999											
SP51NW		6/10/21			4,998											1 1
SP51NM		6/10/21	15'		249											1 1
SP51SW		6/10/21	15		999											1 1
SP51EW		6/10/21			249											1 1
SP51WW		6/10/21			4,323											1 1
SP51WW		6/10/21	2'		4,323											1 1
SP51WW SP51WW			2 8'		374											1 1
		6/10/21	٥		374 874											1 1
SP51Botto		6/10/21			874											1 1
SB1	N.32.0594 W103.61716	5/11/21			23,367											1 1
	N.32.0594 W103.61716		surf		,											1 1
SB1		5/11/21	1'		474											1 1
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											1 1
SB2		5/11/21	1'		3,823											1 1
SB2		5/11/21	2'		3,998											1 1
SB2		5/11/21	3'		1,074											1 1
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											1 1
SB3		5/11/21	1'		3,498											1 1
SB3		5/11/21	2'		5,748											1 1
SB3		5/11/21	3'		449											1 1
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											1 1
SB4		5/11/2021	1'		374											1 1
SB4		5/11/2021	2'		374											1 1
SB4		5/11/21	3'		299											1 1
SB4		5/11/21	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											1
SB5		5/11/21	1'		249											1 1
SB5		5/11/21	2'		374											1 1
SB5		5/11/21	3'		374											1 1
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											1
SB6		5/11/21	2'		249											1
SB6		5/11/21	3'		249											1
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											1
SB7		5/11/21	2'		249											1
SB7 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
567	1	5/11/21	5		275	×10.0	10.0	10.0	NO.300	N0.000	10.000	10.050	10.100	10.0	10.0	10.0

		1		Field So	reening					Labor	atory Resul	ts]
Location	GDS Coordinates	Sample	Sample		Titration			ТРН				Ethyl-	Total	TPH	TPH	ТРН
Location	GPS Coordinates	Date	Depth (feet BGS)	PID Result	Result		Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
				(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 SB8		5/12/21	10' 11'		1,249 1,124											
SB8		5/12/21	11 12'		,											
SB8		5/12/21 5/12/21	12 13'		699 574											
SB8		5/12/21	13		449											
SB8		5/12/21	14		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	5/12/21	surf		12,871	200	10.0	\$10.0	\$0.500	\$0.050	0.050	0.050	×0.150	10.0	10.0	10.0
SB9	1102103703	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' 4'		2,749	1 240	(10.0	<10.0	<0.300	<0.050	<0.050	<0.050	-0.150	<10.0	<10.0	<10.0
SB10 SB10		5/11/21	4' 5'		1,624 999	1,310	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB10 SB10		5/12/21 5/12/21	6'		999 1,974											
SB10 SB10		5/12/21	о 7'		499											
SB10		5/12/21	8'		499											
SB10		5/12/21	8 9'		249	64	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB10	N.3205426 W.103.61711	5/12/21	surf		16,569			-20.0	.0.000	.0.000			.0.130	0.0	0.0	0.0
SB11		5/11/21	1'		4,748											
SB11		5/11/21	2'		3,074											
SB11		5/11/21	3'		949											
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		5/12/21	6'		874											
-	1	• • • • • •	-		-					• •			•			

				Field S	creening					Labor	atory Resul	ts				
		Sample	Sample		Titration			ТРН			,	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)
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'		2,249											
SB13		5/12/21	9'		749											
SB13		5/12/21	10'		624											
SB13		5/12/21	10		499											
SB13		5/12/21	12'		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
SB13	N.32.05271 W.103.61667	5/12/21	surf		249	272	10.0	10.0	\$0.500	10.050	10.050	10.000	(0.150	10.0	10.0	10.0
SB14 SB14	N.32.05271 W.103.61667	5/12/21	1'		249											
SB14 SB14		5/12/21	2'		249											
SB14 SB14		5/12/21	2 3'		249											
			3 4'		249	32	<10.0	<10.0	<0.300	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SB14		5/12/21			-	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											
SB15		5/13/21	1'		449											
SB15		5/13/21	2'		249	22	10.0	10.0	.0.200	.0.050	.0.050	.0.050	0.450	.40.0	.10.0	10.0
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
	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 #

Location	GPS Coordinates	Sample Date	Sample Depth (feet BGS)	Field Se	creening	Laboratory Results										
				PID Result	Titration	Chloride	Total TPH	TPH GRO + DRO	BTEX	Benzene	Toluene	Ethyl- benzene	Total	TPH GRO	TPH DRO	TPH Ext DRO
				(PPM)	Result (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Xylenes (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SB17		5/13/21	1'	(,	5,948	(8/8/	(8/8/	(8/	(8/8/	(8/8/	((8/8/	(8/8/	((8/8/	(8/8/
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	2,020	-1010	12010			.0.050	.0.050	.01200	-2010	-1010	-1010
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			249											
SS16EW		6/15/2021			699											
SS16EW		6/15/2021			246											
SS16WW		6/15/2021	2'		249											
SS18EW SS18EW		6/15/2021	21		4,748											
SS18EW		6/15/2021 6/15/2021			4,123 699											
SS18EW SS18WW		6/15/2021	5		249											
SS18WW SS28EW		6/15/2021			249											
SS28EVV SS28WW		6/15/2021			2,699											
SS28WW		6/15/2021	2'		-											
SS28WW		6/15/2021	Z		3,948											
SS28SW SS28SW		6/15/2021	20'		2,499 3,498											
SS35		7/16/2021			5,498 6,547											
SS36SW		6/22/2021	4 4'		6,547 3,248											
SS36WE		6/22/2021	4 100'		749											
SS40NW		6/22/2021			1,499											
SS40NW		6/22/2021			4,223											
55-01110		5/22/2021	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

Mesa B05

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 Mesa B05 OCD TRACKING #

	GPS Coordinates		. Sample	Field Se	ield Screening Laboratory Results					ts						
Location	GPS Coordinator	Sample			Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GF3 Coordinates	Date	Depth (feet BGS)	PID Result	Result	Chloride	Total TPH	GRO + DRO	BTEX	Benzene	Toluene	benzene	Xylenes	GRO	DRO	Ext DRO
			(leet BG3)	(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

	5		Sample	Field So	Field Screening Laboratory Results											
Location	GPS Coordinates	Sample	Depth		Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date		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

	6.m		Sample	Field Se	Field Screening Laboratory Results											
Location	GPS Coordinates	Sample			Titration			TPH				Ethyl-	Total	TPH	TPH	TPH
Location	GPS Coordinates	Date	Depth (fact BCC)	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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AC					
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	oride, SM4500Cl-B mg/kg								
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, SM4500Cl-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, SM4500Cl-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	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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' (H001440-07)

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 Analy		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' (H001440-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed 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 D. Keine

Celey D. Keene, Lab Director/Quality Manager



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)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	Analyzed By: AC			Analyzed 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	mg/kg Analyzed I		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	Analyzed 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	Analyzed 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. Keine

Celey D. Keene, Lab Director/Quality Manager



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 8 @ 1' (H001440-15)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	42000	16.0	05/28/2020	ND	384	96.0	400	0.00	

Sample ID: SP 8 @ 1.5' (H001440-16)

Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed 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 9 @ 1' (H001440-17)

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

Sample ID: SP 9 @ 1.5' (H001440-18)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19600	16.0	05/28/2020	ND	384	96.0	400	0.00	

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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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, SM4500Cl-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 @ 1' (H001440-21)

Chloride, SM4500Cl-B	mg	/kg	Analyzed 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' (H001440-22)

Chloride, SM4500Cl-B	mg	/kg	Analyze	zed 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	Analyzed 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' (H001440-24)

Chloride, SM4500Cl-B	mg/	′kg	Analyzed 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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 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' (H001440-26)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed 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' (H001440-28)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48800	16.0	05/28/2020	ND	384	96.0	400	0.00	

Sample ID: SP 15 @ 1' (H001440-29)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48000	16.0	05/28/2020	ND	384	96.0	400	0.00	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

101 East Marland, Hobbs, NM 88240

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

City: Project #: Phone #: Project Manager: Project Name: Company Name: PLEASE NOTE: Lic analyses, All claims Sampler Name: Project Location: Address: Relinquished By Relinquished By service. In no event shall Cardinal be liable for incidental or con Sampler - UPS 400/440 FOR LAB USE ONLY Lab I.D. Delivered By: (Circle One) RW 6 50.40 900000 -ge-1 Sr.50 (575) 393-2326 FAX (575) 393-2476 Bus - Other: Meser STA Michae 0 regligence and any other Samples Sample I.D. -50 Ívi E in En 20 个 Project Owner: Fax #: Time:420 5.10 State: Date: Time: 5-27-26 1:51 Samples 生いろ Zip: Received By: (G)RAB OR (C)OMP. Received By: # CONTAINERS Lear CON GROUNDWATER Sample Condition Cool Intact Yes Yes No No No WASTEWATER made in writing and ness inte MATRIX XXXXXXXX SOIL X x OIL SLUDGE P.O. #: City: , loss of use, or loss of profits incurred by client, its subsidiaries State: Phone #: Address: Attn: Dob Hart Company: GTA OTHER Fax #: PRESERV ACID/BASE: VARXXXX ICE / COOL XXX CHECKED BY: BILL TO (Initials) OTHER : Zip: DATE C 26 20 SAMPLING dizz 4:45 9130 Phone Result: Fax Result: REMARKS: 01:00 10200 01:30 9:35 10:05 10:15 TIME bhall @ btocoil.com michael o expertensivoservices.com tion of the applicable X XΧ 9 X x x X X □ Yes No No ANALYSIS Add'l Phone #: Add'l Fax #: REQUEST

ראיאלאאו האאאאל אהרהאל והיאאו האאאאיר בוהאיר בויזיליה האאאאה לה והדקו אנקיים לי איז איז היא איז איז איז איז איז

Released to Imaging: 10/13/2021 2:44:45 PM

Laboratories

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Compare Name: State: Zit: State: Zit: Project Name: France France City: City: City: Project Name: France France City: City: City: Project Name: France France City: City: City: Project Name: France France City: Project Name: City: Project Name: France City: Project Name: City: Project Name: City: Sample Lob. Sample Lob. Sample Lob. Sample Lob. Project Name: Project Name: Project Name: Image: Max Max Project Name: Project Name: Project Name: Project Name: Sample Lob. Sample Lob. Sample Lob. OR Project Name: Project Name: Project Name: Lab LD. Sample City: Q I I I I I I I I I I I I I I I I I I I	(575	(575) 393-2326 FAX (575) 393-2416	3-2410			1)1)1704
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t:YesNo	0		-		(X	
t: □ Yes □ No	PLEASE NOTE: Liability and D	mages, Cardinal's liability and client's exclusive was for pecificance and any other cause whatsoe	remedy for any claim arising whether based in contra ver shall be deemed waived unless made in writing a	ct or tort, shall be limited to the amount paid b nd received by Cardinal within 30 days after c	whe client for the applicable	
Date: Date: Descended By: Condition Club Add Add Add Add Add Add Add Add Add Ad	service. In no event shall Cardin affiliates or successors arising or	al be liable for incidental or consequental damag it of or related to the performance of services her	reunder by Cardinal, regardless of whether such clain	n is based upon any of the above stated reaso	+ Yes No	#
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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:	STA		BILL TO		ANALYSIS REQUEST	
Project Manager:			P.O. #:			
Address:			Company: BJA			
City:	State:	Zip:	Attn: Bob Hall			
Phone #:	Fax #:		Address:			
Project #:	Project Owner:	en	City:	12		
Project Name:			State: Zip:			
Project Location:	Mesa b 005		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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		BTA Oil Pr BOB HALL 103 South Midland T)	Pecos X, 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 1 @ 2' (H001497-01)

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

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

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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, SM4500Cl-B	mg/kg			Analyzed 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)

Chloride, SM4500Cl-B	SM4500CI-B mg/kg								
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	

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

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

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

Chloride, SM4500Cl-B	mg/kg		Analyzed 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, SM4500Cl-B	mg/kg			Analyzed 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	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX,	Pecos		
		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 10 @ 2' (H001497-10)

Chloride, SM4500Cl-B	mg/kg			Analyzed 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)

Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: GM							_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	59200	16.0	06/03/2020	ND	416	104	400	3.77	QM-07	

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

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

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

Chloride, SM4500Cl-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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 15 @ 2' (H001497-15)

Chloride, SM4500Cl-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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Released to Imaging: 10/13/2021 2:44:45 PM



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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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 1 @ 3' (H001571-01)

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

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

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

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

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

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

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



06/05/2020

Analytical Results For:

BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312 06/12/2020 Sampling Date: 06/16/2020

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)

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Chloride, SM4500Cl-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, SM4500CI-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	Analyze	d 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	Analyzed 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, SM4500Cl-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	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 6 @ 4' (H001571-10)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	120000	16.0	06/15/2020	ND	448	112	400	0.00	

Sample ID: SP 7 @ 3' (H001571-11)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	124000	16.0	06/15/2020	ND	432	108	400	3.77	QM-07

Sample ID: SP 7 @ 4' (H001571-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	alyzed 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	Analyzed 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, 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	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



LEA CO

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

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

Project Location:

Chloride, SM4500Cl-B	mg/	'kg	Analyzed 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' (H001571-16)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed 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			

Sample ID: SP 10 @ 3' (H001571-17)

Chloride, SM4500CI-B	-B mg/kg			Analyzed 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, SM4500Cl-B	mg/kg			Analyzed 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, SM4500Cl-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	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312 06/12/2020 Sampling Date:

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	Analyzed 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			Analyzed 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, SM4500Cl-B	l-B mg/kg			Analyzed 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	Analyzed 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	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



LEA CO

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

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

Project Location:

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

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

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

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

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

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

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

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

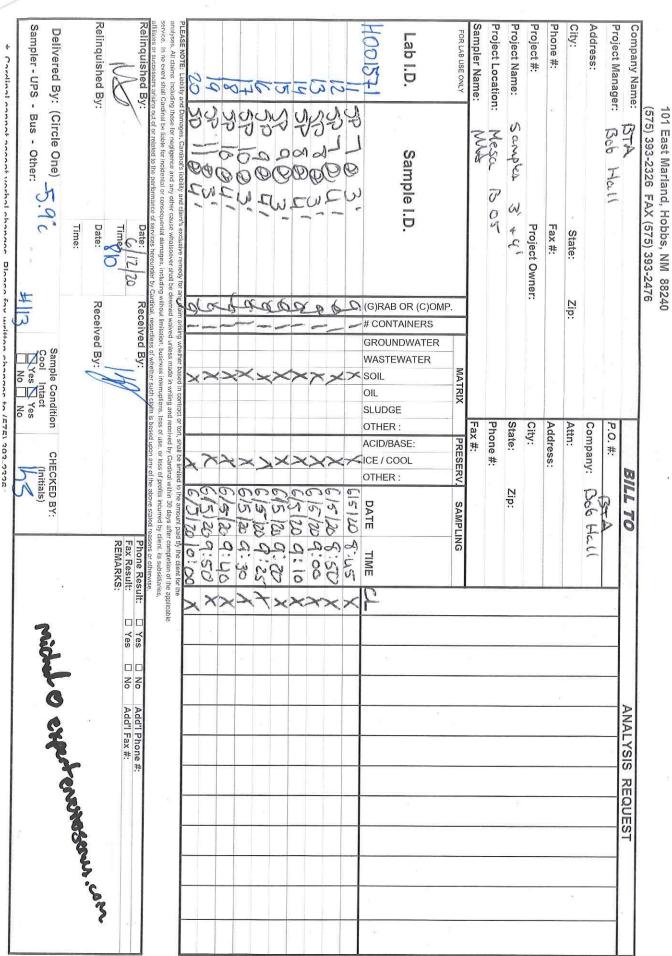
Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Company Name: RTA		BILL TO	ANALYSIS REQUEST
Project Manager: Project Hall	P.O.	#	
Address:	Con	Company: ISTA	
City: State:	Zip: Attn:	Bo	
Phone #: Fax #:	Add	Address:	
Project #: Project Owner:	ner: City:		2
Project Name: Samples 3 +4	State:	te: Zip:	7.
D O	Lta CO Pho	Phone #:	
Sampler Name: WA	Fax #:	#:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER : DATE TIME	
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



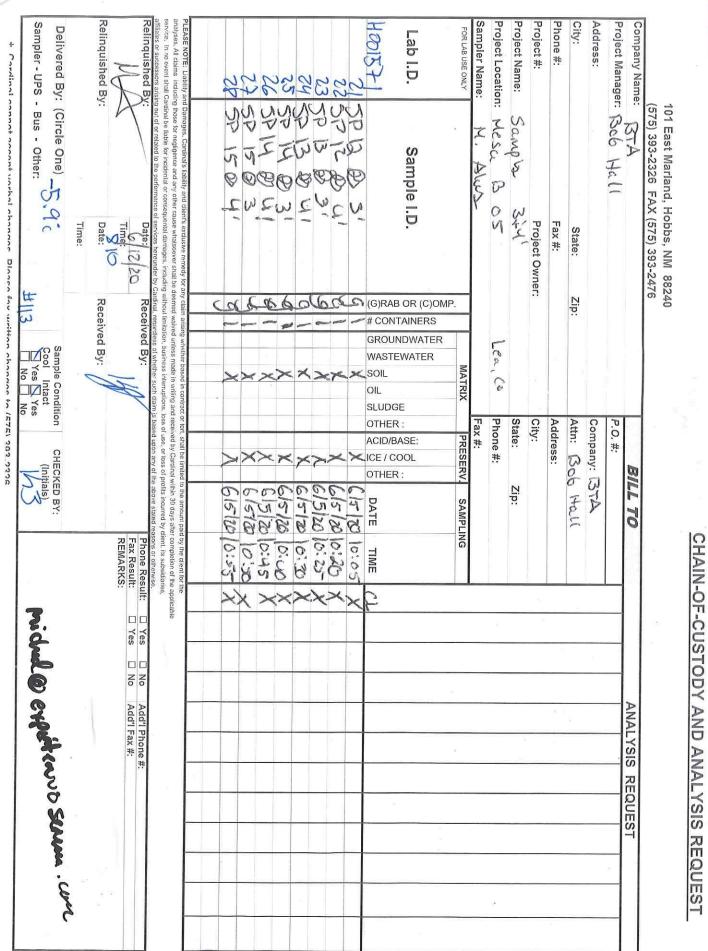
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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 48 @ 2 (H211852-01)

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	07/16/2021	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, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	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	90.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.3	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 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, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	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						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 27 @ 2 (H211852-03)

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	07/16/2021	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	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	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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.1	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 29 @ 2 (H211852-04)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 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	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	117 9	38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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	% 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	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	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 33 @ 2 (H211852-06)

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, 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	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	118 9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 35 @ 2 (H211852-07)

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	07/16/2021	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, SM4500Cl-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 9	% 44.3-13	3						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 37 @ 2 (H211852-08)

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	07/16/2021	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, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	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	105 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 47 @ 2 (H211852-09)

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	07/16/2021	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	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	105	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	117 9	% 38.9-14							

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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	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	100	% 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	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	07/16/2021	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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 20 @ 2 (H211852-11)

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	07/16/2021	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 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	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	104	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 25 @ 2 (H211852-12)

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	99.6	% 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	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	07/16/2021	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	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 24 @ 2 (H211852-13)

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	100 \$	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	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 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112 9	38.9-14	2						

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		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 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 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	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 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	117 9	% 38.9-14	2						

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		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 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, 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	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	44.3-13	3						
Surrogate: 1-Chlorooctadecane	118 9	38.9-14	2						

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		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 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, 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	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	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	119 9	% 38.9-14	2						

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		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 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, 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	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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		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 42 @ 2 (H211852-18)

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	96.1	% 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	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	07/16/2021	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 9	% 38.9-14	2						

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		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 44 @ 2 (H211852-19)

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	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	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	% 38.9-14	2						

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		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 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, 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	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 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	122 9	% 38.9-14	2						

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		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 39 (H211852-21)

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	<i>99.7</i>	% 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	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	116 9	% 38.9-14	2						

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		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 41 (H211852-22)

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	103	% 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	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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	118 9	% 38.9-14	2						

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		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 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, SM4500Cl-B	mg,	/kg	Analyze	d 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	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	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	121	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 45 (H211852-24)

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, 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	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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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 51 (H211852-25)

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	103	% 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	320	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	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.2	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 4 @ 5 (H211852-26)

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 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	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	07/16/2021	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	-						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 6 @ 5 (H211852-27)

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	93.5	% 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	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							

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 8 @ 5 (H211852-28)

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	97.6	% 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	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	07/16/2021	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						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX	Pecos		
		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 10 @ 3 (H211852-29)

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	103	% 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	90.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.4	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX,	Pecos		
		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 BETWEEN 15 - 17 (H211852-30)

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	99.2	% 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	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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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 1 (H211852-31)

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	108 9	% 69.9-14	10						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	92.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.2	% 38.9-14	12						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 2 (H211852-32)

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	100	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	176	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	90.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.1	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 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 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	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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 5 (H211852-34)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	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	94.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.4	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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	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, 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	91.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.5	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 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, 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	97.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.2	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 11 (H211852-37)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	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	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						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 12 (H211852-38)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, 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	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	81.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 13 (H211852-39)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	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	86.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.5	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 14 (H211852-40)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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, 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	88.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.1	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 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, 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	88.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.6	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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	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, 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	82.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.5	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 19 (H211852-43)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	Analyze	d 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	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	76.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.8	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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	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	98.9	% 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	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	80.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.8	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 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 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	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	93.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105 9	38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 23 (H211852-46)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	Analyze	d 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	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	95.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 26 (H211852-47)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	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	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	99.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112 9	38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 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	% 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	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	44.3-13	3						
Surrogate: 1-Chlorooctadecane	113 9	38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 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 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	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 9	38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 32 (H211852-50)

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, 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	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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 19 (H211852-51)

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, 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	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	97.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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	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	98.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107 9	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 21 (H211852-53)

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, SM4500Cl-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	07/17/2021	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. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 25 (H211852-54)

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, SM4500Cl-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	07/17/2021	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, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 26 (H211852-55)

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, 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	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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 9	38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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	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 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	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	97.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107 9	38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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	Analyze	d 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. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 4 @ 4 (H211852-58)

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, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116 9	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 5 (H211852-59)

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	99.8	% 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	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	07/17/2021	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 9	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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	% 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	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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	113 9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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	% 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	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	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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	% 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	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	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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	% 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	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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	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	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	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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 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	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	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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	% 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	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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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	Analyzed 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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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, 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	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	90.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.4	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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 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	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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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 - 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, 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	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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South I Midland TX	Pecos		
		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	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, SM4500Cl-B	mg/kg		Analyzed 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	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	93.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.7	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



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

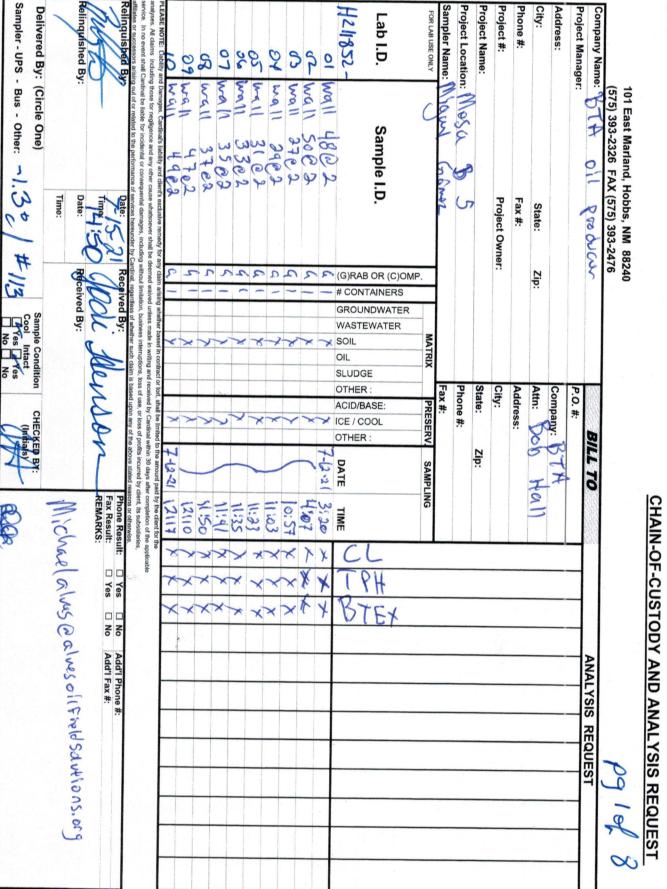
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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories



City:

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CARDINAL Laboratories

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

Address:

Company Name: Project Manager:

D

011

Pro ducer

P.O. #:

BILL TO

ANALYSIS

REQUEST

0



Address: City: Phone #:	State: Zip: Fax #·	Company: STA Attn: Bob Ha		
Project Name:	Project Owner:			
Project Location: MeSh	9 .5	Phone #-		
Sampler Name: Mile will	Genuz	Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	6	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL	SLUDGE DTHER : ACID/BASE: CE / COOL DTHER :	CL TPH GTEX	
Wall	×× 	× 7-12-21	**	
			1:33 7 7 7	
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		×-	10:46 7 7 7	
12 wall 4002		**	Hild & X X	
wall			N127 X X X 100	
PLEASE NOTE: Liability and Damages. Cardinal's liability and analyses. All claims including those for negligence and any oth	20 Wo 11 4 2 2 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2	act or tort, shall be limited to the amount paid b	3 (12) X X X V	
Service. In no event shall Cardinal be liable for incidental or co affiliate or successoor/ning out of or related to the perform Relingfuis/field By Relingfuished By:	Relinguished By: Date: Received By: Date: Received By: Received By: Remarks By: Relinguished By: Relinguished By: Received	rs, loss of runs, including within 50 days after of inin is based upon any of the above stated reaso	ient is subsidiaries, sons or otherweis. Phone Result: Ves No Add'i Phone #: Fax Result: Yes No Add'i Fax #: REMARKS:	**
Delivered By: (Circle One)	Time:		Michaelalius @alves oirField solutions. org	tield solutions. org
· · · · · · · · · · · · · · · · · · ·	20 4110 Cool Intert	TION CHECKED BY:		

Sampler - UPS - Bus - Other: -1.30

211#

Yes Yes Sample Condition

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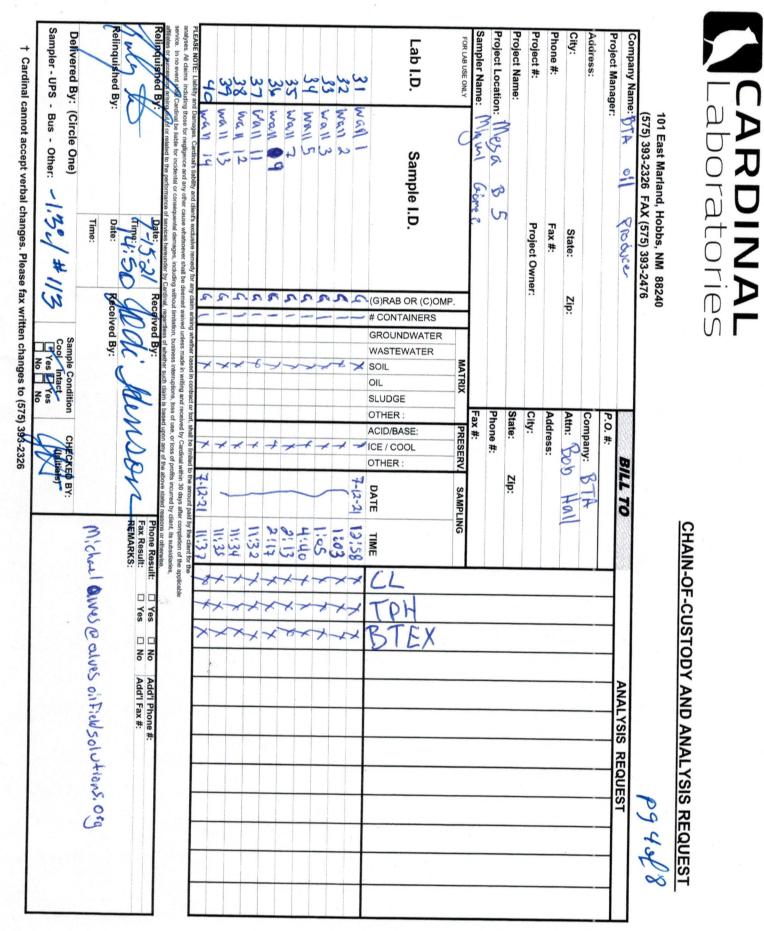


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	101 Ea	3240 76		pg 3028
Company Name:	= BTA oil producer		BILL TO	
rioject Manager:		P.O. #:		
Address:		Company:	NY: STA	
City:	State:	Zip: Attn:	Sob 14911	
Phone #:	Fax #:	(n)	-	
Project #:	Project Owner:			
Project Name:	5	State:	Zip:	
Project Location: MCS 6	intesa B 5	Phone #:		
Sampler Name: Miguw	Mighan Gimma	Fax #:		
FOR LAB USE ONLY	C	MATRIX	ERV. SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE DTHER : ACID/BASE: CE / COOL		TPH BTEX
22 22	wall 41		2 12-22	
-	Wall 45) 31.16 < >	X
	12 112 112 112 112 112 112 112 112 112	X X X X X X X X X X X X X X X X X X X	~ 3:16 × ×	
	Wall 405	X	2:36×7	
22	Mall 805	X X X	3:49 × 2	
	nan loez	X	X X 85,8	
PLEASE NOTE: Liability and	Damages. Cardinal's liability and client's exclusive remedy for an	C (X X X X X X X X X X X X X X X X X X	× × 05:8	
analyses. All claims including service. In no event shall Carc affiliates or successors arising Relingodis bed Buy	those for negligence and any other cause what linal be liable for incidental or consequential dan out of or related to the performance of services	soever shall be deemed waived uness made in williagt or (ott, shall be limited of twa anount, nages, including without limitation, business interruptions, loss of use, or loss of profils incurred be hereunder by Cardinal, repardess of whethar such claim is based upon any of the above stated	miled to the amount pad by the client for the sinal within 30 days after completion of the applicable s of profits incurred by client, its subsidiaries, of the above stated reasons or otherwise.	
Relinquished Rv:		Joch Henso	Phone Result: Fax Result: REMARKS:	□ Yes □ No Add'I Phone #: □ Yes □ No Add'I Fax #:
	Time:	Received By:	Michneld	Michael alues alus of Field Solution. ag
Sampler - UPS - Bus - Other:	Bus - Other: -1.32/12/13	Sample Condition Cool Intact Yes PYes	CHECKED BY:	(
		-	IVI	

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Received by OCD: 9/23/2021 12:50:52 PM



Page 184 of 204





Project Manager:	Producun P.O.#	BILL TO	ANALYSIS REQUEST
Address:	Company:	x: RTA	
City: Sta	State: Zip: Attn: V	C	
Phone #: Fax #:	#: Address:		
Project #: Proj	Project Owner: City:		
-	State:	Zip:	
Project Location: NESCI D	Phone #:		
Sampler Name: White und Graner	Fax #:		
FOR LAB USE ONLY	MATRIX	ERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL		BTEX
42 mail 16		Ver-t	**
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SO WALL SA PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusion three for mentioners and any other course where	2 A A A A A A A A A A A A A A A A A A A	フィレス フッチを や 本	
Relinguisbed By: Timber of the state of the performance of services. Relinguisbed By: Timber Timber Of the Service of the services of the services of the services of the services of the service of t	Relinguisbed By: Tippe: 50 Tippe: 5	of profix incurred by client, its subsidiaries, of the above stated measure or otherwise, Phone Result: Yes Fax Result: Yes REMARKS:	es INo Add"I Phone #: es No Add"I Fax #:
Relinquished By:	Received By:	Michaelalm	Michael alws Q alws oirField Solutions, org

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CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 88240	240				P96072
Company Name:	1575) 393-2326 FAX (575) 393-2476	6	RILTO		ANALVER DECHEST	11 1
Project Manager:			P.O. #:			-
Address:			Company: BTA			
City:	State:	Zip:	-			
Phone #:	Fax #:		ŝ			
Project #:	Project Owner		City:			
Project Name:			State: Zip:			
Project Location: VNESC	" Mesa BS		#			
Sampler Name:	Misuel Somez		Fax #:			8
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	G		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TPH B≠ex		
5	10-10-		h	*		
M	121-159	S I X	7-13-21	NXX X PS:0		
S2	15-20	-	7	X		
30	20-21	XX	× 7-13-2111:20	II:20 X X X		
SS	135 - 26	X	7-13-21	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
25 St	1-50	-	× 7-13-21 4	4:13 XXX		
65		2	× 7-13-21 V	HON XXX		
59	1 1	87	× 1-13-2			
inalyses. All claims including those ervice. In no event shall Cardinal t filiates or succession arising out o	uges. Centiniais liacility and clients exclusive lemedy to for negligence and any other cause whatsoever shall be liable for incidental or consequental damages, includi f or related to the performance of services thereinder hy	ny claim arising whether based in contract or leemed waived unless made in writing and r without limitation, business interruptions, lo ardinal repartiess of whether such claim is	r tort, shall be limited to the amount paid by eceived by Cardinal within 30 days after co so of use, or loss of profits incurred by clier become the amount of the above states of the second stat	paid by the client for the after completion of the applicable by client, its subsidiaries,		
Relinquished By	1.C. 91, 40	Received By: Phone Res Fax Result: Fax Result: REMARKS:	Kenson -	ult:	 □ No Add'I Phone #: □ No Add'I Fax #: 	
elingwished By:	: Date: Time:	Received By:		AND		
Delivered By: (Circle One)			n CHECKED BY: (Initials)			
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Released to Imaging: 10/13/2021 2:44:45 PM

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	18240 476			St LOU
Company Name:	" BIA OIL MEduces	20	BILL TO	ANAI YSIS	1.10
Project Manager:			P.O. #:		-
Address:			Company: 5TA		
City:	State:	Zip:	Attn: Dob 4		
Phone #:	Fax #:		Address:		_
Project #:	Project Owner:		City:		
Project Name:	1		State: Zip:		
Project Location: WESC	" WESG BS		#		
Sampler Name:	misuel somez		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	ING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	ACID/BASE: CE / COOL DTHER : DATE	CL T12H B tex	
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PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Can	Damages, Cardinal's liability and cl those for negligence and any other dinal be liable for incidental or const	Partial sectorial analysis of the angle of t	tort, shall be limited to the amount paid ceived by Cardinal within 30 days after	15-ALC 55 X X X A and a second	
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 395-2326

Received by OCD: 9/23/2021 12:50:52 PM

almes officients on significants on a			Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326	† Ca
	Michaelatara	Sample Condition CHECKED BY: Cool Inflact (udituals)	: (Circle One) - Bus - Other: -(.3e/#/13	Delivered By Sampler - UPS
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□ No Add'I Phone #: □ No Add'I Fax #:	Phone Result: Yes Fax Result: Yes REMARKS:	Jodi John Dr	The 15-21 Rece	John &
	id by the client for the ar completion of the applicable client, its subsidiaries, asons or otherwise.	soever shall be deemed waived unesses made in willing and received by Cardinal willing and by the client of the mages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	luding those for negligence and any other cause what III Cardinal be liable for incidental or consequental dat arising out of or related to the performance of services	analyses. All claims service. In no event affilietes or success
			PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising w	PLEASE NOTE
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13+ C)	TIME TPH	OIL SLUDGE OTHER : ACID/BASE: CICE / COOL OTHER :	G (G)RAB OR (# CONTAINE	Lab
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	CHAIN-OF-CUS			
			Laboratories	
			CARDINAL	

Page 188 of 204



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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		BTA Oil Producers BOB HALL 103 South Pecos Midland TX, 79701		
		Fax To: (432) 683-03	12	
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: 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	Qualifie
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 %	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 9	% 44.3-13	3						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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: 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	% 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						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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: 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	10						
Chloride, SM4500Cl-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							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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 135 (H211935-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 69.9-14	10						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	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	100 \$	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.6	% 38.9-14	0						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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 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	Qualifie
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	Analyzed 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 %	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	134 9	6 38.9-14	•						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South F Midland TX,	Pecos		
		Fax To:	(432) 683-0312	<u>.</u>	
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: Project Location:	None given Lea co			Sample Received By:	Tamara Oldaker

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

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 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	32.0	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	84.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.7	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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 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 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	32.0	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	75.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.3	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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 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 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	32.0	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	77.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.3	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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 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 9	% 69.9-14	0						
Chloride, SM4500Cl-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	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	70.7	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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 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 9	% 69.9-14	0						
Chloride, SM4500Cl-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	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BTA Oil Pro BOB HALL 103 South Midland TX	Pecos		
		Fax To:	(432) 683-0312	2	
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 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 9	% 69.9-14	0						
Chloride, SM4500Cl-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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Celey D. Keene, Lab Director/Quality Manager



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

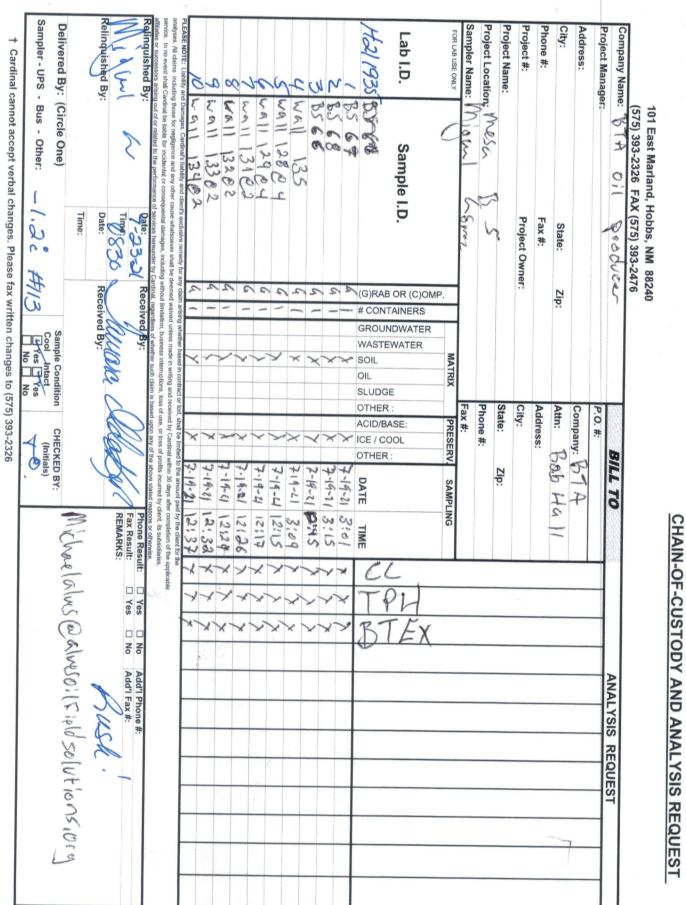
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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

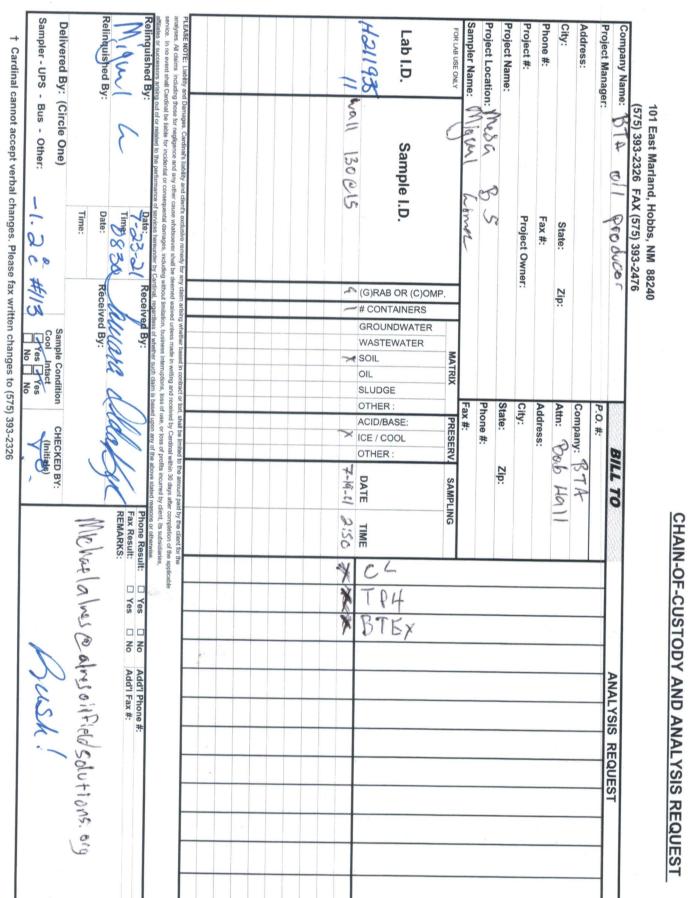
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CARDINAL Laboratories

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Laboratories

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	51517
	Action Type:
	[C-141] Release Corrective Action (C-141)
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CONDITIONS

Created By	Condition	Condition Date
chensley	None	10/13/2021

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Action 51517

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