

September 18, 2023

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

Re: Closure Request

Mesa 8105 JV-P 013H/18 Compressor

Incident Numbers NCH1835547953, NAB1906552791, and NAB1906551740

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared this *Closure Request* to document delineation and soil sampling activities performed at the Mesa 8105 JV-P 013H/18 Compressor (Site), in accordance with an approved *Revised Remediation Work Plan* (*Revised Work Plan*), submitted June 8, 2023. The *Revised Work Plan* detailed Site assessment activities and delineation of the release. Based on delineation activities completed and laboratory analytical results from the soil sampling events in accordance with the Revised *Work Plan*, BTA is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Numbers NCH1835547953, NAB1906552791, and NAB1906551740.

Details regarding the release, Site characterization, and proposed remediation activities can be referenced in the original *Work Plan* submitted on June 8, 2023. The *Revised Work Plan* is included as Appendix A. On June 23, 2023, the New Mexico Oil Conservation Division (NMOCD) approved the *Work Plan* with the following conditions:

This Workplan/Remediation proposal is approved with the following conditions: • All (floor/sidewall) closure samples on pad will need to meet closure criteria standards for depth to water of 51'-100' in Table 1 of the Spill Rule. • Please have soil samples analyzed for all components in Table 1 of the spill rule. The link to the current spill rule as well as the Procedures for Implementation are provided for your convenience. • Please note that, when the well or facility is plugged or abandoned, the final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. The OCD wants to clarify that the entire release area will not be deferred, only the sample points that are around production equipment such as production tanks, wellheads, and pipelines. The deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water.

BACKGROUND

The Site is located in Unit P, Section 1, Township 26 South, Range 32 East, in Lea County, New Mexico (32.06584°, -103.62410°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

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BTA Oil Producers, LLC Mesa 8105 JV-P 013H Closure Request

On November 24, 2018, a malfunction on a compressor caused the slop tank to overflow. Approximately 20 barrels (bbls) of produced water and 10 bbls of condensate were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 5 bbls of produced water and 5 bbls of condensate were recovered. BTA reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on November 26, 2018. The release was assigned Remediation Permit (RP) Number 2RP-5289 and Incident Number NCH1835547953.

On February 8, 2019, an equipment failure on a compressor caused the slop tank to overflow. Approximately 18 bbls of crude oil were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 18 bbls of crude oil were recovered. BTA reported the release to the NMOCD on a Form C-141 on February 22, 2019. The release was assigned RP Number 1RP-5383 and Incident Number NAB1906552791.

On February 9, 2019, the same equipment failure occurred on the compressor and caused the slop tank to overflow again. Approximately 18 bbls of crude oil were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 18 bbls of crude oil were recovered. BTA reported the release to the NMOCD on a Form C-141 on February 22, 2019. The release was assigned RP Number 1RP-5383 and Incident Number NAB1906551740.

On June 6, 2023, Ensolum proposed further delineation activities via hand auger in the *Revised Work Plan*, with the intention of confirming removal of impacted soil in the top 2 feet and field screening at 1-foot intervals for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuantTab® test strips. The response from the NMOCD, on June 23, 2023, approved the *Revised Work Plan* with conditions that the closure samples must meet Closure Criteria for depth to water of 51 feet to 100 feet below ground surface (bgs) in Table I of the Spill Rule and all samples must be analyzed for all components in Table I of the Spill Rule.

As documented in the approved *Revised Work Plan*, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)- gasoline range organics (GRO) and TPH- diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

DELINEATION ACTIVITIES AND ANALYTICAL RESULTS

Between August 4, 2023 and September 13, 2023, Ensolum personnel were at the Site to oversee delineation activities. Ten boreholes (BH01 through BH10) were advanced to 1-foot bgs. Following auger refusal at a depth of 1-foot bgs, Ensolum personnel returned to the Site with a mini track-mounted backhoe to continue delineation in all 10 boreholes to a maximum depth of 4 feet bgs. Samples were field screened as described above. The delineation soil sample locations are depicted on Figure 1. A photographic log can be found in Appendix B. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for



BTA Oil Producers, LLC Mesa 8105 JV-P 013H Closure Request

analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

Laboratory analytical results for delineation soil samples BH01 through BH10, collected within and around the release extent, indicated all COC concentrations were compliant with the Site Closure Criteria and confirmed the absence of impacted soil within and around the inferred release area. Laboratory analytical results are summarized in Table 1 and the complete analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment and delineation activities were conducted at the Site as described in the approved Revised Work Plan. Laboratory analytical results for the delineation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. Based on laboratory analytical results, no impacted soil was identified and no further remediation appears required.

BTA believes the remedial actions completed are protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Numbers NCH1835547953, NAB1906552791, and NAB1906551740. Notifications submitted to the NMOCD are included in Appendix E and the Final Form C-141s are included in Appendix F.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,

Ensolum, LLC

Meredith Roberts Staff Geologist Daniel R. Moir, PG Senior Managing Geologist

cc: Kelton Beaird, BTA

Bureau of Land Management

Appendices:

Figure 1 Delineation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Revised Remediation Work Plan

Appendix B Photographic Log

Appendix C Lithologic Soil Sampling Logs

Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

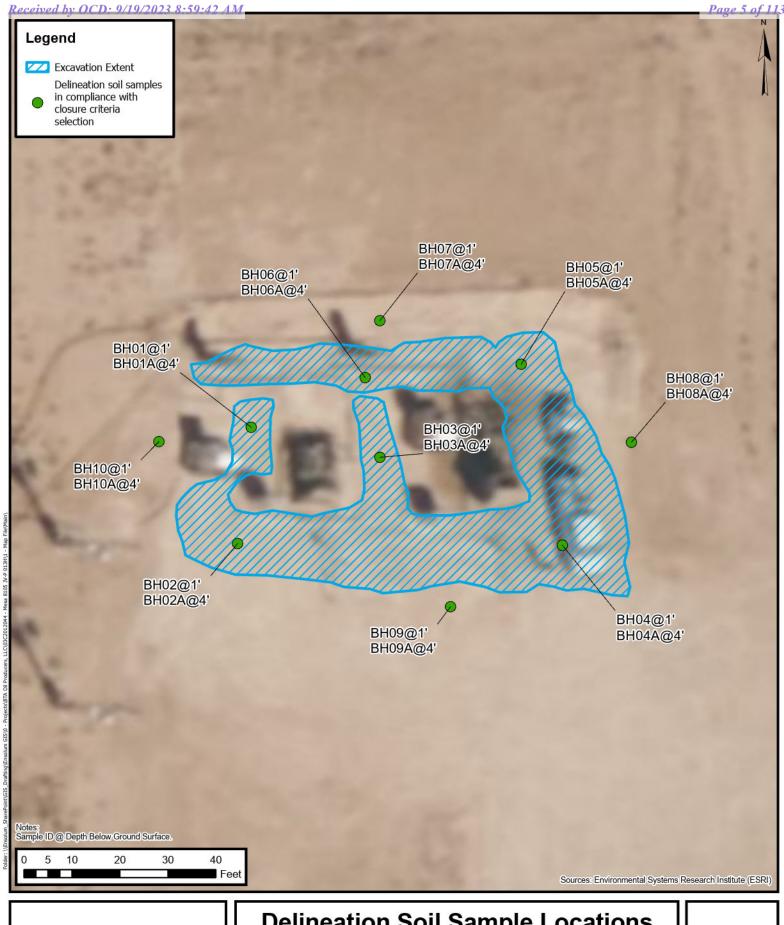
Appendix E NMOCD Notifications

Appendix F Final C-141s





FIGURES





Delineation Soil Sample Locations

BTA Oil Producers, LLC Mesa 8105 JV-P 013H Incident Number: NCH1835547953, NAB1906552791, NAB1906551740 Unit P, Sec 1, T26S, R32E Lea County, New Mexico

FIGURE

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TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Mesa 8105 JV-P 013H BTA Oil Producers, LLC Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
				Deli	neation Soil Sa	mples				
BH01	08/04/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
BH01A	09/13/2023	4	<0.050	<0.300	<10.0	<10.0	13.7	<10.0	13.7	240
BH02	08/04/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
BH02A	09/13/2023	4	<0.050	<0.300	<10.0	512	148	512	660	80.0
BH03	08/04/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
BH03A	09/13/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH04	08/04/2023	1	<0.050	<0.300	<10.0	135	52.6	135	188	176
BH04A	09/13/2023	4	<0.050	<0.300	10.5	756	153	767	920	128
BH05	08/04/2023	1	<0.050	<0.300	<10.0	<10.0	35.9	<10.0	35.9	816
BH05A	09/13/2023	4	<0.050	<0.300	<10.0	18.6	18.2	18.6	36.8	48.0
BH06	08/04/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,170
BH06A	09/13/2023	4	<0.050	<0.300	<10.0	389	81.5	389	471	320
BH07	08/04/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH07A	09/13/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH08	08/04/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
BH08A	09/13/2023	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH09	08/04/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH09A	09/13/2023	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH10	08/04/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH10A	09/13/2023	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation

standard where applicable.

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon



APPENDIX A

Original Revised Remediation Work Plan



June 6, 2023

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re: Revised Remediation Work Plan

Mesa 8105 JV-P 013H

Incident Numbers NCH1835547953, NAB1906552791, and NAB1906551740

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared the following Revised Remediation Work Plan (Revised Work Plan) as a follow up to the original Remediation Work Plan (Work Plan) dated September 25, 2019. This Revised Work Plan proposes to complete additional delineation activities at the Mesa 8105 JV-P 013H (Site) in response to the denial of the original Work Plan by the New Mexico Oil Conservation Division (NMOCD). In the denial, NMOCD indicated that the the impacted soil left in place had not been properly delineated. The following Revised Work Plan proposes full lateral and vertical delineation of the impacted soil left in place.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 1, Township 26 South, Range 32 East, in Lea County, New Mexico (32.06584°, -103.62410°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On November 24, 2018, a malfunction on a compressor caused the slop tank to overflow. Approximately 20 barrels (bbls) of produced water and 10 bbls of condensate were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 5 bbls of produced water and 5 bbls of condensate were recovered. BTA reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on November 26, 2018. The release was assigned Remediation Permit Number (RP) Number 2RP-5289 and Incident Number NCH1835547953.

On February 8, 2019, an equipment failure on a compressor caused the slop tank to overflow. Approximately 18 bbls of crude oil were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 18 bbls of crude oil were recovered. BTA reported the release to the NMOCD on a Form C-141 on February 22, 2019. The release was assigned RP Number 2RP-5383 and Incident Number NAB1906552791.

On February 9, 2019, the same equipment failure occurred on the compressor and caused the slop tank to overflow again. Approximately 18 bbls of crude oil were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 18 bbls of crude oil were recovered. BTA reported

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BTA Oil Producers, LLC Revised Remediation Work Plan Mesa 8105 JV-P 013H

the release to the NMOCD on a Form C-141 on February 22, 2019. The release was assigned RP Number 2RP-5383 and Incident Number NAB1906551740.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 55 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04485, located approximately 0.5 miles southwest of the Site. The well was drilled to a depth of 55 feet during October 2020, and no groundwater was encountered. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 380 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

BACKGROUND

Between November 2018 and August 2019, delineation and excavation activities were conducted at the Site to address the impacted soil resulting from the three slop tank overflow releases into an area of active production equipment. Impacted soil was excavated to a depth of 2 feet bgs around the active compressors and production equipment, and beneath the surface lines. A total of approximately 128 cubic yards of impacted soil were exavated. However, impacted soil was left in place immediately adjacent to and beneath the active compressors and production equipment where remediation would cause a major facility deconstruction. Impacted soil within the release extent was vertically delineated to below the most stringent Table I Closure Criteria. Delineation sample points SP1 and SP2 confirmed that impacted soil did not extend deeper than 4 feet bgs. The excavation extent and delineation soil sample locations are presented on the attached Figure 2. The laboratory analytical results are summarized in the attached Table 1. There was limited area to continue deeper excavation due to two compressors, two vertical separator vessels, hard-piped gas meter runs, high-pressure gas lines, and buried electrical lines within the release area. A *Work Plan* was submitted to NMOCD on September 25, 2019, proposing to defer the impacted soil left in place and install a 20 mil impermeable liner in the base



BTA Oil Producers, LLC Revised Remediation Work Plan Mesa 8105 JV-P 013H

of the 2-foot excavation prior to backfilling. Additional details can be referenced in the original *Work Plan*, submitted to NMOCD on September 25, 2019.

On December 11, 2019, NMOCD denied the *Work Plan* for Incident Numbers NCH1835547953, NAB1906552791, and NAB1906551740 for the following reasons:

• The OCD can't approve this remediation plan because there aren't enough soil sample points in the spill area. Looking at the analytical table, SP1 and SP2 have the first clean sample points for TPH at 4' bgs and have only been excavated to 1' bgs. The areas that prevent further excavation because of the compressors, installed production equipment, lines, and rock refusal will need to be delineated with lab tested soil samples to quantify the amount of contaminated soil left in place. These samples will need to be included in a formal deferral request, once the rest of the excavation is delineated and excavated. The entire spill will not be deferred, please use a hydrovac to remove contaminated soil in places that can be excavated.

PROPOSED REMEDIATION WORKPLAN

Upon review of the September 25, 2019, *Work Plan,* it was noted that impacted soil was excavated to a depth of 2 feet bgs not 1-foot bgs as described in the denial language. Additionally, upon review of the 2018/2019 site photographs, it appears that impacted soil was excavated as close as possible to the active compressors and production equipment, including areas beneath surface lines. Additional excavation does not appear to be safely practical. A photographic log of the 2018/2019 excavation activities is provided in Appendix B along with photos from May 2023 showing the backfilled excavation area. BTA agrees that the delineation activities completed in 2019 were not adequate for deferral of the impacted soil left in place. As such, BTA requests approval to complete the following additional remediation activities:

- Full lateral and vertical delineation the impacted soil that was left in-place.
 - Boreholes will be advanced via hand auger outside of the historical release/excavation extent to determine the lateral extent of the impacted soil that was left in place and confirm the horizontal extent of the surface release.
 - o Boreholes will be advanced via hand auger within the historical release/excavation extent to confirm removal of the top two feet of impacted soil, determine if a liner was installed prior to backfilling the excavation, and confirm the vertical extent of the impacted soil that was left in place.
 - Soil from the boreholes will be field screened at 1-foot intervals for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations will be logged on lithologic/soil sampling logs. Two delineation samples from each borehole will be submitted for laboratory analysis; the sample with the highest field screening result and the sample from the final borehole depth.
 - Final depth of the boreholes will be determined by field screening results indicating compliance with the Site Closure Criteria. In the absence of elevated field screening results, the boreholes will be advanced to a depth of 4 feet bgs.
 - If a liner is encountered in the boreholes, the liner will be patched/repaired following vertical delineation activities.
 - The proposed borehole locations are shown on the attached Figure 3. Borehole locations may need to be adjusted slightly during field activities based on the location of underground utilities.



BTA Oil Producers, LLC Revised Remediation Work Plan Mesa 8105 JV-P 013H

- The delineation samples will be analyzed for BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.
- Upon completion of the lateral and vertical delineation activities and receipt of the laboratory analytical results, BTA will prepare a *Deferral Request* quantifying the volume of impacted soil left in place and requesting deferral until major well pad construction/alteration or final plugging and abandonment.

BTA will complete the delineation activities within 90 days of the date of approval of this *Revised Work Plan* by the NMOCD. BTA believes the scope of work described above meets the requirements set forth in 19.15.29.13 NMAC and is protective of human health, the environment, and groundwater. As such, BTA respectfully requests approval of this *Revised Work Plan* for Incident Numbers NCH1835547953, NAB1906552791, and NAB1906551740.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, **Ensolum, LLC**

Aimee Cole

Senior Managing Scientist

Ashley A. Ager Ashley Ager, M.S., PG

Principal

cc: Kelton Beaird, BTA

Nathan Sirgo, BTA

Bureau of Land Management

Appendices:

Figure 1 Site Location Map (2023)

Figure 2 Excavation Extent and Delineation Soil Sample Locations (2018/2019)

Figure 3 Proposed Delineation Soil Sample Locations (2023)

Table 1 Soil Sample Analytical Results (2018/2019)

Appendix A Referenced Well Records

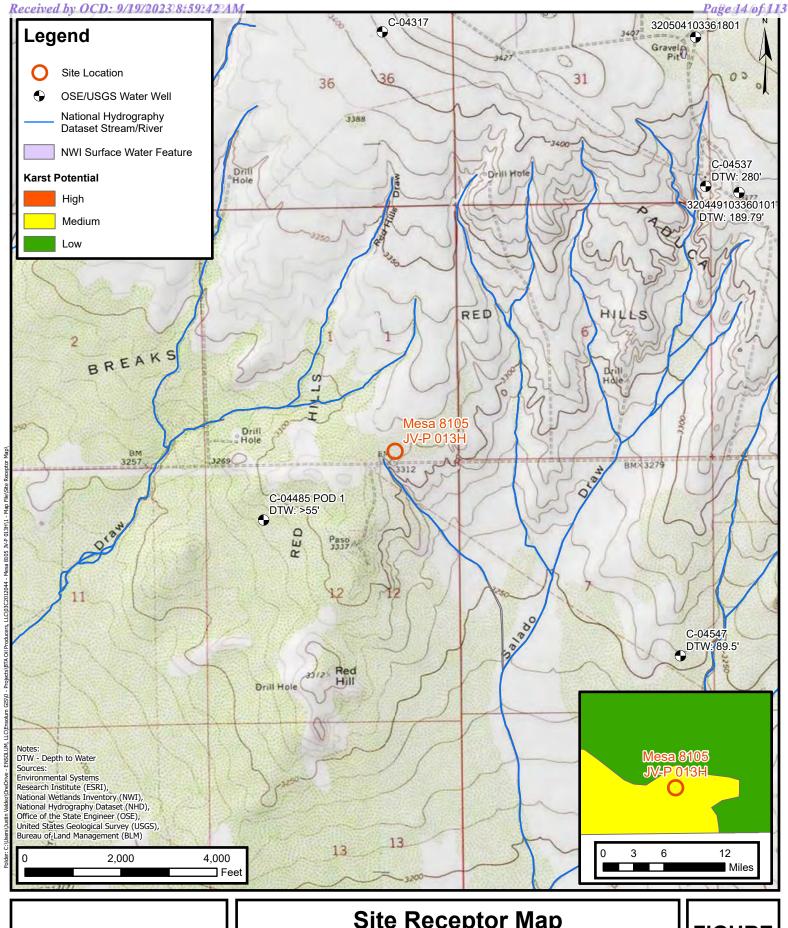
Appendix B Photographic Log (2019/2023)

Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation (2019)

Appendix D Final C-141s



FIGURES





Site Receptor Map

BTA Oil Producers, LLC Mesa 8105 JV-P 013H Incident Number: NCH1835547953, NAB1906552791, and NAB1906551740 Unit P, Section 1, Township 26 South, Range 32 East Lea County, New Mexico

FIGURE

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Figure 2 - Excavation Extent and Delineation Soil Sample Locations (2018/2019)







Proposed Delineation Soil Sample Locations

BTA Oil Producers, LLC
Mesa 8105 JV-P 013H
Incident Number: NCH1835547953, NAB1906552791, and NAB1906551740
Unit P, Section 1, Township 26 South, Range 32 East
Lea County, New Mexico

FIGURE 3



TABLES

Mesa 13/18 Compressor Slop Tank Release - November 24, 2018; February 8, 2019; and February 9, 2019 OCD Tracking #: 1RP-5289 and 1RP-5383

			Commis	Field Sc	reening	Laboratory Results											
Location	Status	Sample Date	Sample Depth (feet BGS)	PID Result (PPM)	Titration Result (mg/kg)	Chloride (mg/kg)	Total TPH (mg/kg)	TPH GRO + DRO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH Ext DRO (mg/kg)	
SP1	Removed	11/25/18	Surface	15,000+	149												
SP1	Removed	11/25/18	1	9,800	105												
SP1	In Situ	11/25/18	2	12,300	98												
SP1	In Situ	8/23/19	2			48	22,422	16,532	16.9	0.424	5.36	1.71	9.36	232	16,300	5,890	
SP1	In Situ	11/25/18	3	1,700	174												
SP1	In Situ	8/23/19	4	2.9	98	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP1	In Situ	8/23/19	7	0	98	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SP2	Removed	11/25/18	Surface	15,000+	1,149												
SP2	Removed	11/25/18	1	8,547	549												
SP2	In Situ	11/25/18	2	8,500	174												
SP2	In Situ	8/23/19	2			16	10,623	7,743	3.47	ND	0.365	0.416	2.69	52.5	7,690	2,880	
SP2	In Situ	11/25/18	3	100	98												
SP2	In Situ	8/23/19	4	1.8	105	ND	10.1	ND	ND	ND	ND	ND	ND	ND	ND	10.1	
SP2	In Situ	8/23/19	5	0	98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

NMOCD Table 1 - Closure Criteria for Soils Impacted by a Release (19.15.29.12)

Minimum Depth to GW less than 10,000 mg/l TDS

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

Reporting Limits:

Chloride: 16.0 mg/kg

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

Total Xylenes: 0.150 mg/kg Total BTEX: 0.300 mg/kg

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



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OD NO. (WE) 448 OWNER NA	5	OWL 362	WELL TAG ID NO. NA		OSE FILE NO(S). C-04485					
KJ E	VVIRONN	MENTAL				PHONE (OP 214-287-5					
500 M	OWNER MA	ILING ADDRESS Y ROAD				CITY CROSS RO	DADS	STATE TX 7622	ZIP		
Loc	CATION	LATITUDE	DEGREES 3548560	MINUTES SE	CONDS	ACCURAC	Y REQUIRED: ONE TE	ENTH OF A SECOND			
DESCR	M GPS)	LONGITUDE ATING WELL LOCATION	629271	RESS AND COMMON LAW	W		EQUIRED: WGS 84				
			TO THE STATE OF TH	COS AND COMMON LAN	DMARKS - PLS	S (SECTION, TO	OWNSHJIP, RANGE) W	HERE AVAILABLE			
LICENS	E NO. /D 1186	NAME OF LICENSE		DNEY HAMMER				RILLING COMPANY VIRO-DRILL, INC.			
	05/2020	10/06/2020	DEPTH OF CO	MPLETED WELL (FT)	BORE HOL	E DEPTH (FT)		RST ENCOUNTERED (F	T)		
	ETED WELL I	I AKTESIAN	X DRY HOLE	E SHALLOW (UN	CONFINED)		STATIC WATER LE	VEL IN COMPLETED V	VELL (FT)		
	G FLUID:	AIR	☐ MUD	ADDITIVES - SP	ECIFY:		L				
	G METHOD:	ROTARY	HAMMER	CABLE TOOL	XOTHER	- SPECIFY: H	SA				
FROM		DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and		CAS CONNE TY (add couplin	CTION	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches		
55	_		Scr	een ank	FJT		2"	2"	-010		
45	0	8"	34	ank	11		11	11 1	J		
	1								2		
									2020		
									-		
	-								2		
	_	-						=	2		
								-0	0		
DEPTH	(feet bgl)	BORE HOLE	Her	ANNULAR SEAL MA	TEDIAL AND	+			1		
FROM	то	DIAM. (inches)		L PACK SIZE-RANGE			AMOUNT (cubic feet)	METHO PLACEN			
55	43	8"	San				10	trem	i E.		
41		8"		Plug		-					
7'	0	8	Gro	ut.			ا00 وعا.	+			
E INTER	NAL USE	99		POD NO.		WR-20 V		LOG (Version 06/30)/17)		

	DEPTH	(feet bgl)		7.7						ESTIMAT
	FROM	то	THICKNESS (feet)	INCLUDE WAT	ND TYPE OF MATERIA TER-BEARING CAVITIE upplemental sheets to full	S OR FRA	ACTURE ZONES	BEAR (YES	ING?	YIELD FO WATER BEARIN ZONES (g
	0	10		Sand	+ asavel			Y	Ø	
	10	25		gravel	+ gravel + Calie he stone	l. a		Y	0	
	25	45		Calic	ho			Y	(1)	
	45	55		Sand	Stone		-0.1	Y	(M)	
								Y	N	
CL								Y	N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
OF						alms at all a to		Y	N	
200								Y	N	
COL								Y	N	
700						1.0		Y	N	
3EO				VICTORIA CONTRACTORIA CONTRACTO				Y	N	
RO					11115			Y	N	
HYD								Y	N	
4								Y	N	
								Y	N	
								Υ Υ	N	
								Y	N	
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	METHOD U	SED TO EST	TIMATE YIELD	OF WATER-BEARIN	NG STRATA:		TOTA	AL ESTIMA		E 6
	PUMP		_		THER - SPECIFY:			L YIELD		₹ 0.06
NOI	WELL TEST	TEST R START	RESULTS - ATTA TIME, END TIM	CH A COPY OF DA	TA COLLECTED DURIN	G WELL	TESTING, INCLUDIT	NG DISCH	ARGE M	ETHOD, E
S. LEST; KIC SUPERVIS	MISCELLAN	NEOUS INFO	ORMATION:							5
3. 1 50	PRINT NAM	E(S) OF DR	ILL RIG SUPERV	/ISOR(S) THAT PRO	OVIDED ONSITE SUPER	VISION C	F WELL CONSTRUC	CTION OT	HER TH	AN LICENSI
and with the second	CORRECTR	RMIT HOL	DER WITHIN 20	SCRIBED HOLE AN DAYS AFTER COM	DEST OF HIS OR HER KN ND THAT HE OR SHE W IPLETION OF WELL DR	ILL FILE	THIS WELL RECORI	E FOREGO O WITH TH	HE STAT	E ENGINEE
		SIGNATU	RE OF DRILLER	/ PRINT SIGNEE	NAME			D	DATE	
	OSE INTERN	AL USE					WR-20 WELL REC	ORD & LO	OG (Vers	ion 06/30/20
_	NO.				POD NO.		TRN NO.		1.01.	20120120
OC.	ATION					WELL	TAG ID NO.			PAGE 2 OF



APPENDIX B

Photographic Log

2019 - Photo Log



Facing North



Digging up release



Spill excavated



Spill Excavated



Spill Excavated



Aerial View -South View

2019 - Photo Log



Facing west



Facing South



Facing Northwest



Facing North







2019 - Photo Log



Northeast



Facing West



Facing East



North



South



Spill Area Facing South



Photographic Log

BTA Oil Producers, LLC Mesa 8105 JV-P 013H





Photograph: 1 Date: 5/30/2023

Description: Historical release area/backfilled excavation

View: North

Photograph: 2 Date: 5/30/2023

Description: Historical release area/backfilled excavation

View: West





Photograph: 3 Date: 5/30/2023

Description: Historical release area/backfilled excavation

View: East

Photograph: 4 Date: 5/30/2023

Description: Historical release area/backfilled excavation

View: South



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



August 27, 2019

BOB HALL

BTA Oil Producers

103 South Pecos

Midland, TX 79701

RE: MESA 13 - 18

Enclosed are the results of analyses for samples received by the laboratory on 08/26/19 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact
Project Number: COMPRESSOR 3 SPILLS Sample Received By: Tamara Oldaker

Analyzed By me

Project Location: LEA CO

Sample ID: SP 1 @ 2' (H902935-01)

DTEV 0021D

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.424	0.050	08/27/2019	ND	1.69	84.7	2.00	0.243	
Toluene*	5.36	0.050	08/27/2019	ND	1.90	94.9	2.00	0.313	
Ethylbenzene*	1.71	0.050	08/27/2019	ND	2.03	101	2.00	1.70	
Total Xylenes*	9.36	0.150	08/27/2019	ND	6.22	104	6.00	2.17	
Total BTEX	16.9	0.300	08/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 5	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/27/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	232	50.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	16300	50.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	5890	50.0	08/27/2019	ND					
Surrogate: 1-Chlorooctane	127	% 41-142	,						
Surrogate: 1-Chlorooctadecane	916	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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Celeg & Freene



Analytical Results For:

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

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact
Project Number: COMPRESSOR 3 SPILLS Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: LEA CO

ma/ka

Sample ID: SP 1 @ 4' (H902935-02)

RTFY 8021R

B1EX 8021B	тд/кд		Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2019	ND	1.69	84.7	2.00	0.243	
Toluene*	<0.050	0.050	08/27/2019	ND	1.90	94.9	2.00	0.313	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	2.03	101	2.00	1.70	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.22	104	6.00	2.17	
Total BTEX	<0.300	0.300	08/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.0 %	6 73.3-129	9						
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	08/27/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	<10.0	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/27/2019	ND					
Surrogate: 1-Chlorooctane	113 %	6 41-142							
Surrogate: 1-Chlorooctadecane	123 %	6 37.6-147	7						

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Celey D. Keene



Analytical Results For:

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

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact
Project Number: COMPRESSOR 3 SPILLS Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: LEA CO

mg/kg

Sample ID: SP 1 @ 7' (H902935-03)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2019	ND	1.69	84.7	2.00	0.243	
Toluene*	<0.050	0.050	08/27/2019	ND	1.90	94.9	2.00	0.313	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	2.03	101	2.00	1.70	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.22	104	6.00	2.17	
Total BTEX	<0.300	0.300	08/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.1	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/27/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	<10.0	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/27/2019	ND					
Surrogate: 1-Chlorooctane	125	% 41-142	?						
Surrogate: 1-Chlorooctadecane	135	% 37.6-14	7						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 683-0312

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact
Project Number: COMPRESSOR 3 SPILLS Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: LEA CO

ma/ka

Sample ID: SP 2 @ 2' (H902935-04)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2019	ND	1.69	84.3	2.00	0.552	
Toluene*	0.365	0.050	08/26/2019	ND	1.88	94.0	2.00	1.51	
Ethylbenzene*	0.416	0.050	08/26/2019	ND	1.96	97.9	2.00	1.18	
Total Xylenes*	2.69	0.150	08/26/2019	ND	6.08	101	6.00	1.15	
Total BTEX	3.47	0.300	08/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 73.3-12	9						
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	08/27/2019	ND	432	108	400	0.00	
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*	52.5	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	7690	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	2880	10.0	08/27/2019	ND					
Surrogate: 1-Chlorooctane	115	% 41-142	,						
Surrogate: 1-Chlorooctadecane	497	% 37.6-14	7						

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Celey D. Keine



Analytical Results For:

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

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact Project Number: COMPRESSOR 3 SPILLS Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: SP 2 @ 4' (H902935-05)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2019	ND	1.69	84.3	2.00	0.552	
Toluene*	<0.050	0.050	08/26/2019	ND	1.88	94.0	2.00	1.51	
Ethylbenzene*	<0.050	0.050	08/26/2019	ND	1.96	97.9	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/26/2019	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	08/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/27/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	<10.0	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	10.1	10.0	08/27/2019	ND					
Surrogate: 1-Chlorooctane	115 %	% 41-142	•						
Surrogate: 1-Chlorooctadecane	126 9	% 37.6-14	7						

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Celeg D. Freene



Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0

Fax To: (432) 683-0312

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact
Project Number: COMPRESSOR 3 SPILLS Sample Received By: Tamara Oldaker

Project Location: LEA CO

Sample ID: SP 2 @ 5' (H902935-06)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2019	ND	1.69	84.3	2.00	0.552	
Toluene*	<0.050	0.050	08/26/2019	ND	1.88	94.0	2.00	1.51	
Ethylbenzene*	< 0.050	0.050	08/26/2019	ND	1.96	97.9	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/26/2019	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	08/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500CI-B	nloride, 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	08/27/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	<10.0	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/27/2019	ND					
Surrogate: 1-Chlorooctane	114	% 41-142	?						
Surrogate: 1-Chlorooctadecane	124	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

Relinquished By:

Date: 26-19 8-36-19 Date:

Received By:

Received By:

Phone Result: Fax Result: REMARKS:

□ Yes

No o

Add'l Phone #: Add'l Fax #:

Released to Imaging: 1/18/2024 9:49:29 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1000		
	P.O. #:	
	Company: SA	
Zip:		
	Address:	
	City:	
	State: Zip:	
_	Phone #:	
	Fax #:	
MATRIX	PRESERV. SAMPLING	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME CC TO THE T	
	N 22.8	
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	क्षेट्रजाद	
Address: Address: State: Zip: Address: Project Company: SA Project Commen: Project Location: Vess: 13 13 15 Company: SA Project Location: Vess: 13 15 Company: SA Project Location: Vess: 13 15 Company: SA Project Location: Vess: Zip: Project Location: Vess: Zip: Project Location: Vess: Zip: State: Zip: Project Location: Vess: Zip:	State: Zip: Fax #: Project Owner: S	Company: SA Attn: Address: GROUNDWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER ACID/BASE: ACID/BASE:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

さかった

Sample Condition
Cool Intact
Fes 176s
No No

CHECKED BY: (Initials)

Midwale expertensionservices.com

Time:



APPENDIX D

Final C-141s

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

Incident ID	NCH1835547953
District RP	1RP-5289
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party BTA Oil Producers		OGRID	260297				
Contact Name Ben Grimes		Contact Telephone (432) 682-3753					
Contact email bgrimes@btaoil.com		Incident #	(assigned by OCD)				
Contact mail	ling address	104 S Pecos S	t, Midland, TX 7	9701			
Latitude 32.0	0660734285				Longitude	103.624070083	
Site Name N	Aesa 8105 J	V-P 013H (com	npressor)		Site Type	well pad	
Date Release	Discovered	11/24/2018			API# (if app	olicable) 30-025-428	149
Unit Letter	Section	Township	Range		Cour	nty	
Р	1	26S	32E	Lea			
☐ Crude Oil		Volume Release Volume Release Is the concentra	ed (bbls) ed (bbls) 20 ation of dissolved	ch calculat	tions or specific		
☐ Condensa	ite	produced water Volume Release				Volume Recove	ered (bbls) 5
Natural Gas Volume Released (Mcf)			Volume Recove	ered (Mcf)			
Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units)		Recovered (provide units)					
Cause of Rel		sor caused slop tai	nk to overflow.				

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	NCH1835547953
District RP	1RP-5289
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	nsible party consider this a major release?
19.15.29.7(A) NMAC?	Yes 19.15.29.7 (A) defines 25 BBL or mo	ore a major release
X Yes No		
ICANDO	di di como n	
	otice given to the OCD? By whom? To wi	nom? When and by what means (phone, email, etc)?
No		
	Initial R	esponse
The responsible	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
☐ The impacted area ha	as been secured to protect human health and	the environment.
		likes, absorbent pads, or other containment devices.
	ecoverable materials have been removed an	
If all the actions describe	d above have <u>not</u> been undertaken, explain	wny:
D 10150000 (0)		
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.
regulations all operators are public health or the environi failed to adequately investig	required to report and/or file certain release noti ment. The acceptance of a C-141 report by the C ate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name:	en Grimes	Title: Production Manager
Signature: Den	Frings	Date: 1112612018
email: BGrin	resp BTAO,1. com	Telephone: 437-68 2-3753
OCD Only	4.4	
		Date:
icocoived by.		

	Page 40 of 11	3
Incident ID	NCH835547953	
District RP	1RP-5289	
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	⊠ Yes □ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well.	ls.

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

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

Form C-141 Page 4

State of New Mexico Oil Conservation Division

Incident ID	NCH835547953
District RP	1RP-5289
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release notice public health or the environment. The acceptance of a C-141 report by the Called to adequately investigate and remediate contamination that pose a three addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
Printed Name: Kelton Beaird Signature: email: kbeaird@btaoil.com	Title: Environmental Manager Date: 6-6-23 Telephone: 432-312-2203
OCD Only	
Received by:Jocelyn Harimon	Date:06/08/2023

Form C-141 Page 5

State of New Mexico Oil Conservation Division

Incident ID	NCH835547953
District RP	1RP-5289
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.13 ☑ Proposed schedule for remediation (note if remediation plan times) 	2(C)(4) NMAC
Deferral Requests Only: Each of the following items must be conjugated	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around prodeconstruction.	
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file control which may endanger public health or the environment. The acceptant liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local lateral control was a surface water.	ertain release notifications and perform corrective actions for releases ce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, ecceptance of a C-141 report does not relieve the operator of
Printed Name: Kelton Beaird Signature: email: kbeaird@btaoil.com	Title: <u>Environmental Manager</u> Date: <u>6-6-23</u> Telephone: <u>432-312-2203</u>
eman	100phone
OCD Only	
	Date: 06/08/2023
Received by: Jocelyn Harimon	Date:06/08/2023
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved
Signature:	Date:

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	NAB1906552791
District RP	1RP-5383
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) NAB1906552791
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.06584° Longitude: -103.62410°

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Mesa 8105 JV-P 13/18 Compressor	Site Type: Well Pad
Date Release Discovered: 2/8/2019	API# (if applicable) Nearest well: Mesa 8195 JV-P #013H API #30-025-42849

P 1 26S 32E Lea	Unit Letter	Section	Townsnip	Range	County
	Р	1	26S	32E	Lea

Surface Owner: State Federal Tribal Private ()

Nature and Volume of Release

Materia	al(s) Released (Select all that apply and attach calculations or specif	ic justification for the volumes provided below)	
Crude Oil	Volume Released (bbls) 18 BBL	Volume Recovered (bbls) 18 BBL	
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)	
	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			
Due to an equipment failure on the compressor, oil was pushed over to the slop tank, which overflowed. The			
oil was recovered with a vacuum truck.			

Received by OCD: 9/19/2023 8:59242 AM State of New Mexico Oil Conservation Division Page 2

Page 44 of 113 NAB1906552791 Incident ID District RP 1RP-5383 Facility ID Application ID

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?		
☐ Yes ⊠ No			
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?		
	Initial Response		
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury		
The source of the rele	ease has been stopped.		
The impacted area ha	as been secured to protect human health and the environment.		
Released materials h	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.		
All free liquids and r	ecoverable materials have been removed and managed appropriately.		
	IAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred		
within a lined containment	nt 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: Tol	Palf Date: 2/22/2018		
email: bhall@btaoil.c	om Telephone: 432-682-3753		
OCD Only Received by:	Date: 3/06/2019		

	Page 45 of 11:
Incident ID	NAB1906552791
District RP	1RP-5383
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</u> (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?		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No	
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No	
Did the release impact areas not on an exploration, development, production, or storage site?		
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 Depth to water determination 		
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release		

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.

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

☐ Laboratory data including chain of custody

Form C-141 Page 4 State of New Mexico Oil Conservation Division

Incident ID	NAB1906552791
District RP	1RP-5383
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release noti public health or the environment. The acceptance of a C-141 report by the C failed to adequately investigate and remediate contamination that pose a thre addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
Printed Name: Kelton Beaird Signature: email: kbeaird@btaoil.com	Title: Environmental Manager Date: 6-6-23 Telephone: 432-312-2203
OCD Only	
Received by:	Date:

Form C-141 Page 5

State of New Mexico Oil Conservation Division

Incident ID	NAB1906552791
District RP	1RP-5383
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.		
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation point ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.1 ☑ Proposed schedule for remediation (note if remediation plan times) 	2(C)(4) NMAC	
Deformal Requests Only: Fach of the following items must be con	firmed as part of any request for deferral of remediation.	
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.		
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.	
	CD 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file of which may endanger public health or the environment. The acceptability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local lates.	ertain release notifications and perform corrective actions for releases ance of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of	
Printed Name: Kelton Beaird	Title: Environmental Manager	
Signature:	Date: 6-6-23	
email:kbeaird@btaoil.com	Telephone: 432-312-2203	
OCD Only		
	D .	
Received by:	Date:	
☐ Approved ☐ Approved with Attached Conditions of	Approval	
Signature:	Date:	

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	NAB1906551740
District RP	1RP-5383
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) NAB1906551740
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.06584° Longitude: -103.62410°

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Mesa 8105 JV-P 13/18 Compressor		Site Type: Well Pad				
Date Release	Discovered:	2/9/2019			API# (if applicable) Nearest well: Mesa 8195 JV-P #013H API #30-025-42849	
Unit Letter	Section	Township	Range		County	
Р	1	26S	32E	Lea	ı	

	111			
Surface Ouman	Cletata M Ea	leral 🗌 Tribal 🔲 1	Privata (3

Nature and Volume of Release

Material	l(s) Released (Select all that apply and attach calculations or specific	justification for the volumes provided below)	
Crude Oil	Volume Released (bbls) 18 BBL	Volume Recovered (bbls) 18 BBL	
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)	
	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			
The same equipment failure on the compressor, as occurred as a separate event and reported for 2/8/2019,			
pushed oil over to the slop tank and caused the tank to overflow. The oil was recovered with a vacuum truck.			

Page 49 lof 113

Incident ID	NAB1906551740
District RP	1RP-5383
Facility ID	
Application ID	pAB1906551401

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?	
☐ Yes ⊠ No		
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	
	Initial Response	
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury	
☐ The source of the rele	ease has been stopped.	
The impacted area ha	s been secured to protect human health and the environment.	
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
All free liquids and re	ecoverable materials have been removed and managed appropriately.	
has begun, please attach	IAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred	
	nt 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: Belifall Date: 2/22/2018		
email: bhall@btaoil.c	om Telephone: 432-682-3753	
OCD Only Received by:	Date: 3/6/2019	

	Page 50 of 14	13
Incident ID	NAB1906551740	
District RP	1RP-5383	
Facility ID		
Application ID		

Site Assessment/Characterization

Inis 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?	<u>>55</u> (ft bgs)	
Did this release impact groundwater or surface water?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No	
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No	
Did the release impact areas not on an exploration, development, production, or storage site?	⊠ Yes □ No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		
Characterization Report Checklist: Each of the following items must be included in the report.		
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data	ls.	

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

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

Form C-141

Page 4

State of New Mexico Oil Conservation Division

Incident ID	NAB1906551740
District RP	1RP-5383
Facility ID	
Application ID	

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

Printed Name: Kelton Beaird

Title: Environmental Manager

Date: 6-6-25

CCD Only

Received by: Date: Date:

Form C-141 Page 5

State of New Mexico Oil Conservation Division

Incident ID	NAB1906551740
District RP	1RP-5383
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be inc	luded in the plan.								
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C) ☑ Proposed schedule for remediation (note if remediation plan timeline))(4) NMAC e is more than 90 days OCD approval is required)								
Defended Describe Only Each of the following itams went he confirm	ed as part of any request for deferral of remediation								
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.									
Extents of contamination must be fully delineated.									
Contamination does not cause an imminent risk to human health, the	environment, or groundwater.								
I hereby certify that the information given above is true and complete to rules and regulations all operators are required to report and/or file certain which may endanger public health or the environment. The acceptance of liability should their operations have failed to adequately investigate and surface water, human health or the environment. In addition, OCD accept responsibility for compliance with any other federal, state, or local laws. Printed Name: Kelton Beaird	in release notifications and perform corrective actions for releases of a C-141 report by the OCD does not relieve the operator of remediate contamination that pose a threat to groundwater, ptance of a C-141 report does not relieve the operator of								
	ate: 6-6-23								
11									
email: Te	elephone:432-312-2203								
OCD Only									
Received by: Da	nte:								
Approved	roval Denied Deferral Approved								
Signature: Date	e:								

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

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

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

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

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

CONDITIONS

Action 225624

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	225624
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	This Workplan/Remediation proposal is approved with the following conditions: • All (floor/sidewall) closure samples on pad will need to meet closure criteria standards for depth to water of 51'-100' in Table 1 of the Spill Rule. • Please have soil samples analyzed for all components in Table 1 of the spill rule. The link to the current spill rule as well as the Procedures for Implementation are provided for your convenience. • Please note that, when the well or facility is plugged or abandoned, the final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.	6/23/2023
jharimon	The OCD wants to clarify that the entire release area will not be deferred, only the sample points that are around production equipment such as production tanks, wellheads, and pipelines. The deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water.	6/23/2023



APPENDIX B

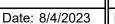
Photographic Log



Photographic Log

BTA Oil Producers, LLC Mesa 8105 JV-P 013H/18 Compressor





Photograph: 2

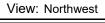
Date: 9/13/2023

Description: Hand auger delineation at BH03.

"

Description: Delineation activities with mini-excavator.

View: Southwest



Photograph: 1



Photograph: 3 Date: 9/13/2023

Description: Delineation activities with mini-excavator.

View: East



Photograph: 4

Date: 9/13/2023

Description: Backfill activities with mini excavator.

View: Southwest



APPENDIX C

Lithologic Soil Sampling Logs

	Sample Name: BH01	Date: 9/13/2023						
ENSOLUM	Site Name: Mesa 8105 JV-P 013H							
E IN 3 O L O M	Incident Number: nCH1835547953							
	Job Number: 03C2012044							
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: MR	Method: Mini Excavator						
Coordinates: 32.066309, -103.624585	Hole Diameter: NA	Total Depth: 4'						
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% error factor is included in all chloride screenings.								

with 1:4	dilution f	actor of s	soil to	distilled water.	A 40% err	or factor is i	ncluded ii	n all chloride screenings.
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
М	398	5.3	N	BH01	1 - 1 _	0	CCHE	0-4' CALICHE, med brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
М	280	0.2	N		-	2		
М	<173.6	0.1	N		- -	3		
М	240.8	0	N	BH01A	4 _	- 4 - TD		Total Depth @ 4' bgs.
					- - -	- - - -		
					- - -	- - -		
					- - -	- - -		
					- - -	- - -		
					- - -	- - -		
					- - -	- - -		
					-	- - -		
					-	-		

								Sample Name: BH02	Date: 9/13/2023
2								Site Name: Mesa 8105 JV-P 013H	
		E	N	SC) L	. U		Incident Number: nCH183554795	
10.	- 0							Job Number: 03C2012044	55
1		LITLIOI	001	C / SOIL SAM			NAME OF STREET		
Coordin				-	PLING L	UG		Logged By: MR Hole Diameter: NA	Method: Mini Excavator Total Depth: 4'
	ates: 32.0				U Chlorida	Tost String	and DID fo	or chloride and vapor, respectively	
								n all chloride screenings.	. Cilionae test performea
-	<u> </u>					1			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
			• ,	ίζ	(ft bgs)		_		
	474	2.7		DU 02	- - -	0	CCHE	0-4' CALICHE, med brown, I grained, poorly sorted, s stain, no odor, moist.	medium to coarse ub-rounded grains, no
M	174	2.7	N	BH02	1 _	- 1 -			
М	<173.6	0.0	N		- - -	2			
М	<173.6	0.0	N		- - -	3			
М	<173.6	0.0	N	BH02A	4	4 TD		Total Depth @ 4' bgs.	
					- - -	- -			
					- - -	 - -			
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ENSOLUM								Sample Name: BH03 Date: 9/13/2023 Site Name: Mesa 8105 JV-P 013H		
								Incident Number: nCH1835547953 Job Number: 03C2012044		
		LITHOL	.OGI	C / SOIL SAM		Logged By: MR	Method: Mini Excavator			
Coordinates: 32.066291, -103.624498								Hole Diameter: NA	Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% error factor is included in all chloride screenings.										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions	
М	<173.6	1.3	Ν	вн03	1 - 1 _	0 - 1 -	CCHE	0-2' CALICHE, med brown, grained, poorly sorted, s stain, no odor, moist.		

2

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4 TD 2-4' CALICHE, red/ medium brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.

Total Depth @ 4' bgs.

						Sample Name: BH04	Date: 9/13/2023	
	ENSOLU		M	Site Name: Mesa 8105 JV-P 013H				
		ENSOLU			LU		Incident Number: nCH1835547953	
							Job Number: 03C2012044	
	LITHOLOGIC / SOIL SAMPLING LOG						Logged By: MR	Method: Mini Excavator
Coordinates: 32.066239, -103.624376					Hole Diameter: NA	Total Depth: 4'		
C	Comments Field and a feed with UACU Chloride Test Christ and DD feed bloods and an account of the Chloride test and							

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% error factor is included in all chloride screenings.

with 1:4	dilution to	actor of s	soil to	distilled water.	A 40% err	or factor is i	ncluded ir	n all chloride screenings.
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
М	302	4.2	N	ВН04	1 1	[0 - - - 1	CCHE	 0-1' CALICHE, med brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist. 1-4' CALICHE, red/ light brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
М	<173.6	0.0	N		-	2 2		stain, no odor, moist.
М	<173.6	0.1	N		-	- - 3		
М	<173.6	0.0	N	вно4А	4	4 TD		Total Depth @ 4' bgs.
						- - - -		
					-	- - - -		
					-	- - -		
					-	- - - -		
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						- - -		
					-	- - -		

								Cample Name: BLICE	Date: 0/12/2022		
2	7							Sample Name: BH05	Date: 9/13/2023		
		E	N	SC) L	U		Site Name: Mesa 8105 JV-P 013H			
								Incident Number: nCH183554795	00		
		יסעדוו	OCI	C / SOIL SAM	DIINCIA		Job Number: 03C2012044	Method: Mini Excavator			
Coordin					PLING L		Logged By: MR	Total Depth: 4'			
	ates: 32.0				H Chlorida	Tact String	and DID fo	Hole Diameter: NA	1		
	Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% error factor is included in all chloride screenings.										
					Sampl		~				
ure	ide n)	or n)	ing	e I[е	Depth	300				
Moisture	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Depth	(ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions		
ΣÖ	5)		St	Saı	(ft bgs)	, 0,	USO				
					Í	0	CCHE	0-4' CALICHE, med brown, r	medium to coarse		
] -	-		grained, poorly sorted, s stain, no odor, moist.	ub-rounded grains, no		
						_		Stain, NO OUOL, MOISL.			
М	1,002	6.1	Ν	BH05	1 _	_ 1					
					-	-					
	470.6				-						
М	<173.6	0.0	N		_	_ 2					
					_	-					
N.4	<173.6	0.0	N		<u>-</u>	3					
М	<1/3.0	0.0	IN		_	_ 3					
] _	_					
М	<173.6	0.0	N	BH05A	4	4					
	1270.0	0.0	'	2110371		TD		Total Depth @ 4' bgs.			
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10	10.1							Sample Name: BH06	Date: 9/13/2023	
	ENSOLUM							Site Name: Mesa 8105 JV-P 013H		
		ENSOLUM						Incident Number: nCH1835547953		
								Job Number: 03C2012044		
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: MR	Method: Mini Excavator	
Coordin	ates: 32.0	66337, -1	103.62	24507				Hole Diameter: NA	Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% error factor is included in all chloride screenings.										
ure ent	ide n)	or n)	ing	e ID	Sampl	Depth	sock ool			

								0 .
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
	1 271	7.2		DLIOC	- -	0	CCHE	0-1' CALICHE, med brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
M	1,271	7.3	N	BH06	1 _	_ 1 - -		1-4' CALICHE, red/ light brown, medium to coarse grained, porrly sorted, sub-rounded grains, no stain, no odor, moist.
M	<173.6	0.0	N		- -	2 		
M	241	0.1	N		- - -	- _ 3 -		
М	280	0.0	N	вно6А	4	4 TD		Total Depth @ 4' bgs.
					- - -	- - - -		
					- -	- - -		
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					- -	- - - -		
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<173.6

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0.0

0.2

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BH07A

4

E			N	SC) L	U	M	Sample Name: BH07 Site Name: Mesa 8105 JV-P 013	
							N. Bad	Incident Number: nCH18355479 Job Number: 03C2012044	953
		LITHOL	.OGI	C / SOIL SAM	PLING LO	OG		Logged By: MR	Method: Mini Excavator
Coordin	ates: 32.00	56369, -1	.03.62	24497				Hole Diameter: NA	Total Depth: 4'
Moisture http://www.	Chloride (ppm)	Vapor (ppm)	bū	Sample ID	Sampl e Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	n all chloride screenings. Lithologic D	escriptions
М	<173.6	5.0	N	вно7	1 _	0 - - 1	CCHE	0-2' CALICHE, med brown, grained, poorly sorted, stain, no odor, moist.	

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4 TD 2-4' CALICHE, red/light brown, medium to coarse grained, porrly sorted, sub-rounded grains, no stain, no odor, moist.

Total Depth @ 4' bgs.

<173.6

<173.6 0.3

<173.6 0.4

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BH08A

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□ ENS	011	IM	Sample Name: BH08 Site Name: Mesa 8105 JV-P 013H	Date: 9/13/2023			
	OLC		Incident Number: nCH1835547953	3			
			Job Number: 03C2012044	T			
LITHOLOGIC / SOIL	SAMPLING LOG		Logged By: MR	Method: Mini Excavator			
Coordinates: 32.066298, -103.624329			Hole Diameter: NA	Total Depth: 4'			
with 1:4 dilution factor of soil to distilled	ater. A 40% error facto	•	or chloride and vapor, respectively. Chloride test performed in all chloride screenings.				
Moisture Content Chloride (ppm) Vapor (ppm) Staining	Sampl e Dep Depth (ft bg (ft bgs)	Lithologic Descriptions					
	Щ о +	CCHE	0-2' CALICHE, med brown, medium to coarse grained, poorly sorted, sub-rounded grains, r stain, no odor, moist.				
M 459 1.5 N BHC	3 1 井 1	1					

2

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4 TD 2-4' CALICHE, red/ light brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.

Total Depth @ 4' bgs.

		M	Sample Name: BH09 Date: 9/13/2023				
	SOLU		Site Name: Mesa 8105 JV-P 013H				
	SOLO		Incident Number: nCH1835547953				
			Job Number: 03C2012044				
LITHOLOGI	C / SOIL SAMPLING LOG		Logged By: MR	Method: Mini Excavator			
Coordinates: 32.066205, -103.63	24452		Hole Diameter: NA	Total Depth: 4'			
Comments: Field screening cond	lucted with HACH Chloride Test Strips	and PID fo	or chloride and vapor, respectively. (Chloride test performed			

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% error factor is included in all chloride screenings.

with 1:4	dilution to	actor of s	oil to	distilled water.	A 40% err	or factor is i	ncluded ir	n all chloride screenings.
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
М	<173.6	1.5	Ν	ВН09	1 1	L 0 - - - 1	CCHE	 0-1' CALICHE, med brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist. 1-4' CALICHE, red/ light brown, medium to coarse grained, poorly sorted, sub-rounded grains, no
M	<173.6	0.0	N			_ 2		stain, no odor, moist.
М	<173.6	0.0	N		-	3 - -		
М	<173.6	0.0	N	вно9А	4 _	4 TD		Total Depth @ 4' bgs.
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								Commis Name - DUIAO	Data: 0/43/3033			
2								Sample Name: BH10	Date: 9/13/2023			
		E	N	SC				Site Name: Mesa 8105 JV-P 013H				
	-						1000	Incident Number: nCH183554795))			
		יסעדוו	OCI	C / SOIL SAM	DIINCIA	<u> </u>		Job Number: 03C2012044	Method: Mini Excavator			
Coordin					PLING L	JG		Logged By: MR	Total Depth: 4'			
	ates: 32.0				H Chlorida	Tact String	and DID fo	Hole Diameter: NA or chloride and vapor, respectively	· ·			
								n all chloride screenings.	. Cilionae test periorinea			
	g) Sampl											
Moisture Content	Chloride (ppm) Vapor (ppm) Staining Staining (ppm) Staining					Depth	300					
Moisture	nlor ppr	Vapor (ppm)	ain	ldπ	Depth	(ft bgs)	SCS/Roc Symbol	Lithologic De	scriptions			
ΣÖ	5		St	Sai	(ft bgs)	(0 - 7	USO					
					1	0	CCHE	0-4' CALICHE, med brown, i	medium to coarse			
					-	 -		grained, poorly sorted, s stain, no odor, moist.	ub-rounded grains, no			
					-	 - -		Stain, NO Odor, Moist.				
M	<173.6	1.0	N	BH10	1 _	_ 1						
					-	-						
N 4	4172 C	0.0	N		_	_						
M	<173.6	0.0	N		_	_ 2						
					_	- -						
М	<173.6	0.0	N		-	3						
''	1275.0	0.0	'		_	<u> </u>						
					_	_						
M	<173.6	0.0	N	BH10A	4	4						
					-	_ TD		Total Depth @ 4' bgs.				
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APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



August 10, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MESA 8105 JV-P 013H

Enclosed are the results of analyses for samples received by the laboratory on 08/04/23 13:15.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/04/2023 Sampling Date: 08/04/2023
Reported: 08/10/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact
Project Number: 03C2012044 Sample Received By: Tamara Oldaker

Project Location: BTA 32.066073425,-103.624070083

Sample ID: BH 01 1' (H234166-01)

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	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/08/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	78.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/04/2023 Sampling Date: 08/04/2023

Reported: 08/10/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C2012044

Project Location: BTA 32.066073425,-103.624070083

Sample ID: BH 02 1' (H234166-02)

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	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/08/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	61.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/04/2023 Reported:

08/10/2023 Project Name: MESA 8105 JV-P 013H

Project Number: 03C2012044

Project Location: BTA 32.066073425,-103.624070083 Sampling Date: 08/04/2023

Sampling Type: Soil

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

Sample ID: BH 03 1' (H234166-03)

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	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/08/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	67.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.5	% 49.1-14	8						

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Tamara Oldaker

Sample Received By:

Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 08/04/2023
 Sampling Date:
 08/04/2023

 Reported:
 08/10/2023
 Sampling Type:
 Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact

Project Location: BTA 32.066073425,-103.624070083

03C2012044

Sample ID: BH 04 1' (H234166-04)

Project Number:

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	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/08/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	135	10.0	08/09/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	52.6	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	73.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/04/2023 Sampling Date: 08/04/2023

Reported: 08/10/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact
Project Number: 03C2012044 Sample Received By: Tamara Oldaker

Project Location: BTA 32.066073425,-103.624070083

Sample ID: BH 05 1' (H234166-05)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	08/08/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	35.9	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	76.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/04/2023 Sampling Date: 08/04/2023

Reported: 08/10/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact
Project Number: 03C2012044 Sample Received By: Tamara Oldaker

Project Location: BTA 32.066073425,-103.624070083

Sample ID: BH 06 1' (H234166-06)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	08/08/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/04/2023 Sampling Date: 08/04/2023

Reported: 08/10/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact
Project Number: 03C2012044 Sample Received By: Tamara Oldaker

Project Location: BTA 32.066073425,-103.624070083

Sample ID: BH 07 1' (H234166-07)

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	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/08/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/04/2023 Sampling Date: 08/04/2023

Reported: 08/10/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact
Project Number: 03C2012044 Sample Received By: Tamara Oldaker

Project Location: BTA 32.066073425,-103.624070083

Sample ID: BH 08 1' (H234166-08)

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	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	18						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/04/2023 Sampling Date: 08/04/2023

Reported: 08/10/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C2012044

Project Location: BTA 32.066073425,-103.624070083

Sample ID: BH 09 1' (H234166-09)

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	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 08/04/2023 Sampling Date: 08/04/2023

Reported: 08/10/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C2012044

Project Location: BTA 32.066073425,-103.624070083

Sample ID: BH 10 1' (H234166-10)

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	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	100 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Celey D. Keine



Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

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September 15, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MESA 8105 JV-P 013H

Enclosed are the results of analyses for samples received by the laboratory on 09/14/23 8:13.

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

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact
Project Number: 03C2012044 (32.06584,-103.62410) Sample Received By: Dionica Hinojos

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Project Location: BTA

Sample ID: BH 01 A 4' (H234960-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	13.7	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012044 (32.06584,-103.62410) Dionica Hinojos

Project Location: BTA

Sample ID: BH 02 A 4' (H234960-02)

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	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	512	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	148	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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

Page 3 of 13



Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C2012044 (32.06584,-103.62410) Dionica Hinojos

Project Location: BTA

Sample ID: BH 03 A 4' (H234960-03)

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	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	< 0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012044 (32.06584,-103.62410) Dionica Hinojos

Project Location: BTA

Sample ID: BH 04 A 4' (H234960-04)

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	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.5	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	756	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	153	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact
Project Number: 03C2012044 (32.06584,-103.62410) Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: BTA

Sample ID: BH 05 A 4' (H234960-05)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	18.6	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	18.2	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact
Project Number: 03C2012044 (32.06584,-103.62410) Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: BTA

Sample ID: BH 06 A 4' (H234960-06)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	GC-NC
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	389	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	81.5	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact
Project Number: 03C2012044 (32.06584,-103.62410) Sample Received By: Dionica Hinojos

Applyzod By: MC

Project Location: BTA

Sample ID: BH 07 A 4' (H234960-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	111 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012044 (32.06584,-103.62410) Dionica Hinojos

Project Location: BTA

Sample ID: BH 08 A 4' (H234960-08)

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	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1 - 14	8						

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wite South



Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact Project Number: 03C2012044 (32.06584,-103.62410) Sample Received By: Dionica Hinojos

Project Location: BTA

Sample ID: BH 09 A 4' (H234960-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	79.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

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with Sigh



Analytical Results For:

ENSOLUM HADLIE GREEN 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/14/2023 Sampling Date: 09/13/2023

Reported: 09/15/2023 Sampling Type: Soil

Project Name: MESA 8105 JV-P 013H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012044 (32.06584,-103.62410) Dionica Hinojos

Project Location: BTA

Sample ID: BH 10 A 4' (H234960-10)

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	09/14/2023	ND	1.95	97.4	2.00	3.05	
Toluene*	<0.050	0.050	09/14/2023	ND	1.98	98.8	2.00	2.82	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	1.91	95.5	2.00	4.08	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.71	95.2	6.00	4.84	
Total BTEX	<0.300	0.300	09/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/14/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	189	94.6	200	3.09	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	187	93.3	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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Notes and Definitions

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

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

Page 12 of 13

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Control Rose Tolding			linquished By:	1000	miguisned By:	listes or successors arising out of or related to the performant	alyses. All claims including flose for negligence and any other vice. In no event shall Cardin-1	EASE NOTE: Liability and Dame SHIOA		1		6 BHOLA			3 RHOSA	2 RHATA	1 BHOIA	Hazyago	Wild SPECIAL	Lab I.D. Sample I D		- ON THE USE ONLY	L	S2-06584	3	1-		#:	City: Carishall Parks	Address: 3177 Notice	Project Manager: Hadille
accept verbal change	Corrected Temp. C Cool Mact Corrected Temp. C Cool Mact Tes Tytes T Cardinal cannot contain the Country of Cool Mact	on of Do due	Time:	Date: Received By	Time:	Date: Date: Received Received and reparations of whether such claim a based upon any of the above or the absolution in the a	sequental damages, including without limitation, business indeed witing and n	alses. All claims including those for negligence and any other cause whether way dam arising whether based in contract or the contract of the cause									Y CONTRACTOR	GF W/ SO OIL	CON ROUN ASTE	(feet) 3 OR TAININDWAT	Depth (C)O	THE REAL PROPERTY.		K)	84, -103-62410	X	Project Owner:	Fax #:				
car	CHECKED BY: Turnaround Time: Standard		REMARKS: Mroberts Censeium.com	All Results are emailed. Please provide Email address:	Verbal Result: D Yes D No.	s of use, or loss of profits incurred by client, its subsidiaries,	eceived by Cardinal within 30 days after now to	V V 1330 V V V	200	1200	1145	1130	1100	1045	1030	XXXX	X phalas	ACI ICE OTH DATE	DDGBER:	SSE:	25	PRESERV. SAMPLING	Fa	Phone #:	State: 1 X Zip: 79701	Pipilii	City DA S Recas St	action bearing	Attn: Vous	0	P.O. #	8111 70
No No Corrected Temp. °C	Bacteria (only) Sample Condition Cool Infact Observed Temp. °C	5547953	seium.com	Add'i Phone #: ovide Email address:																											ANALYSIS REQUEST	



APPENDIX E

NMOCD Notifications

Attachments:

From: Wells, Shelly, EMNRD
To: Hadlie Green

Cc: <u>Bratcher, Michael, EMNRD</u>; <u>Harimon, Jocelyn, EMNRD</u>

Subject: RE: [EXTERNAL] BTA - Sampling Notification - Week of 07/31/2023

Date: Thursday, July 27, 2023 2:30:30 PM

image001.png image002.png image003.png image004.png

You don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

Hi Hadlie,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

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

From: Hadlie Green <hgreen@ensolum.com>

Sent: Thursday, July 27, 2023 1:22 PM

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

Cc: Kelton Beaird < KBeaird@btaoil.com>

Subject: [EXTERNAL] BTA - Sampling Notification - Week of 07/31/2023

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

All,

BTA anticipates collecting confirmation samples at the following location the week of July 31, 2023.

- Mesa 8105 JV-P 013H / NCH1835547953
 - Sampling Date: 8/3-4/2023 @ 9:00 AM MST

Thank you,





Project Geologist 432-557-8895 hgreen@ensolum.com Ensolum, LLC



APPENDIX F

Final C-141s

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

Incident ID	NCH1835547953
District RP	1RP-5289
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party B	TA Oil Producers		OGRID 260297							
Contact Name Ben C	Frimes			Contact Telephone (432) 682-3753						
Contact email bgrim	es@btaoil.com			Incident # (assigned by OCD)						
Contact mailing addre	ss 104 S Pecos St	, Midland, TX 79	9701	1						
Location of Release Source Latitude 32.0660734285										
Site Name Mesa 8103	JV-P 013H (com	pressor)		Site Type	well pad					
Date Release Discover	ed 11/24/2018			API# (If ap)	plicable) 30-025-42849					
Unit Letter Section	Township	Range		Cour	nty					
P 1	26S	32E	Lea							
Crude Oil	erial(s) Released (Select a				Release [ustification for the volumes provided below) Volume Recovered (bbls)					
□ Produced Water	Volume Release				Volume Recovered (bbls) 5					
	Is the concentra	tion of dissolved <pre>>10,000 mg/l?</pre>	chloride	in the	☐ Yes ☐ No					
	Volume Release				Volume Recovered (bbls) 5					
☐ Natural Gas	Volume Release	ed (Mcf)			Volume Recovered (Mcf)					
Other (describe)	Volume/Weight	t Released (provid		Volume/Weight Recovered (provide units)						
Cause of Release Malfunction on compr	essor caused slop tai	nk to overflow.								

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	NCH1835547953
District RP	1RP-5289
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	nsible party consider this a major release?							
19.15.29.7(A) NMAC?	Yes 19.15.29.7 (A) defines 25 BBL or mo	ore a major release							
X Yes No									
ICANDO	di di como n								
	otice given to the OCD? By whom? To wi	nom? When and by what means (phone, email, etc)?							
No									
	Initial R	esponse							
The responsible	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury							
☐ The source of the rele	ease has been stopped.								
☐ The impacted area ha	as been secured to protect human health and	the environment.							
		likes, absorbent pads, or other containment devices.							
	ecoverable materials have been removed an								
If all the actions described above have <u>not</u> been undertaken, explain why:									
D 10150000 (0)									
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.							
regulations all operators are public health or the environi failed to adequately investig	required to report and/or file certain release noti ment. The acceptance of a C-141 report by the C ate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws							
Printed Name:	en Grimes	Title: Production Manager							
Signature: Den	Frings	Date: 1112612018							
email: BGrin	resp BTAO,1. com	Telephone: 437-68 2-3753							
OCD Only	4.4								
		Date:							
icocoived by.									

Page 100 of 113

Incident ID	NCH835547953
District RP	1RP-5289
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.			
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</u> (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No		
Did the release impact areas not on an exploration, development, production, or storage site?	⊠ Yes □ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.			

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

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

Received by OCD: 9/19/2023 8:59:42 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Page 101 of 1

	- "8" - "J - "
Incident ID	NCH835547953
District RP	1RP-5289
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name:Kelton Beaird	Title:Environmental Manager		
Signature:	Date:9/20/2023		
email:kbeaird@btaoil.com	Telephone:432-312-2203		
OCD Only			
Received by:	Date:		

Page 102 of 113

Incident ID	NCH835547953
District RP	1RP-5289
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.

X 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:Kelton Beaird	Title: _Environmental Manager		
Signature:	Date:9/20/2023		
email:kbeaird@btaoil.com	Telephone:432-312-2203		
OCD Only			
	Date		
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:		

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

Incident ID	NAB1906552791
District RP	1RP-5383
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) NAB1906552791
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.06584° Longitude: -103.62410°

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Mesa 8105 JV-P 13/18 Compressor	Site Type: Well Pad
Date Release Discovered: 2/8/2019	API# (if applicable) Nearest well: Mesa 8195 JV-P #013H API #30-025-42849
	•

	Unit Letter	Section	Township	Range	County
Ī	Р	1	26S	32E	Lea

Surface Owner: State Federal Private Private)
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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) 18 BBL	Volume Recovered (bbls) 18 BBL			
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)			
	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					
Due to an equipment failure on the compressor, oil was pushed over to the slop tank, which overflowed. The					
oil was recovered with a vacuum truck.					

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 Incident ID
 NAB1906552791

 District RP
 1RP-5383

 Facility ID

	Application ID			
Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?			
release as defined by 19.15.29.7(A) NMAC?				
Yes No				
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?			
	Initial Response			
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury			
The source of the rele	ease has been stopped.			
	is been secured to protect human health and the environment.			
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.			
All free liquids and re	ecoverable materials have been removed and managed appropriately.			
If all the actions describe	d 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: Tol	Pate: 2/22/2018			
email: bhall@btaoil.c	om Telephone: 432-682-3753			
OCD Only				
Received by:	Date: 3/06/2019			

e of New Mexico

Incident ID	NAB1906552791
District RP	1RP-5383
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</u> (ft bgs)				
Did this release impact groundwater or surface water?					
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No				
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No				
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No				
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No				
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No				
Are the lateral extents of the release within 300 feet of a wetland?					
Are the lateral extents of the release overlying a subsurface mine?					
Are the lateral extents of the release overlying an unstable area such as karst geology?					
Are the lateral extents of the release within a 100-year floodplain?					
Did the release impact areas not on an exploration, development, production, or storage site?					
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 wel Field data Data table of soil contaminant concentration data 	ls.				
Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release					
 ☑ Boring or excavation logs ☑ Photographs including date and GIS information 					
☐ Topographic/Aerial maps ☐ Laboratory data including chain of custody					
Encormor, same increasing chain or 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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Incident ID	NAB1906552791
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name:Kelton Beaird	Title:Environmental Manager			
Signature:	Date:9/20/2023			
email:kbeaird@btaoil.com	Telephone:432-312-2203			
OCD Only				
Received by:	Date:			

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Incident ID	NAB1906552791
District RP	1RP-5383
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 ust be notified 2 days prior to liner inspection)							
☐ Laboratory analyses of final sampling (Note: appropriate ODC	oratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)						
Description of remediation activities							
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in						
Printed Name:Kelton Beaird	Title: _Environmental Manager						
Signature:	Date:9/20/2023						
email:kbeaird@btaoil.com	Telephone:432-312-2203						
OCD Only							
Received by:	Date:						
	of liability should their operations have failed to adequately investigate and vater, human health, or the environment nor does not relieve the responsible or regulations.						
Closure Approved by:	Date:						
Printed Name:	Title:						

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

Incident ID	NAB1906551740
District RP	1RP-5383
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) NAB1906551740
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

Location of Release Source

Latitude: 32.06584° Longitude: -103.62410°

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Mesa 8105 JV-P 13/18 Compressor				Site Type: Well Pad	
Date Release Discovered: 2/9/2019			API# (if applicable) Nearest API #30-025-42849	well: Mesa 8195 JV-P #013H	
Unit Letter Section Township Range				County	

Р	1	26S	32E	Lea	
Surface Owner	· State	□ Federal □ Tr	ihal 🗆 Private (- 1	Y

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) 18 BBL	Volume Recovered (bbls) 18 BBL				
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)				
	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						
The same equipment failure on the compressor, as occurred as a separate event and reported for 2/8/2019, pushed oil over to the slop tank and caused the tank to overflow. The oil was recovered with a vacuum truck.						

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Incident ID	NAB1906551740
District RP	1RP-5383
Facility ID	
Application ID	pAB1906551401

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
☐ Yes ⊠ No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.
The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
has begun, please attach	IAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred
	nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environi failed to adequately investig	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Bob Hal	Title: Environmental Manager
Signature: Bolly	Date: 2/22/2018
email: bhall@btaoil.c	om Telephone: 432-682-3753
OCD Only Received by:	Date: 3/6/2019

te of New Mexico

Incident ID	NAB1906551740
District RP	1RP-5383
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</u> (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No		
Did the release impact areas not on an exploration, development, production, or storage site?	⊠ Yes □ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			
 ∑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well impacted area. Surface features, subsurface features, delineation points, and monitoring well impacted area. Surface features is a subsurface features. Subsurface features is a subsurface features is a subsurface features. Subsurface features is a subsurface features is a subsurface features is a subsurface features. Subsurface features is a subsurface features is a subsurface features is a subsurface features. Subsurface features is a subsurface features is a subsurface features is a subsurface features. Subsurface features is a subsu	ls.		
Depth to water determination			

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.

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

□ Laboratory data including chain of custody

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Incident ID	NAB1906551740
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regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a	the best of my knowledge and understand that pursuant to OCD rules and notifications and perform corrective actions for releases which may endanger he OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In r of responsibility for compliance with any other federal, state, or local laws
Printed Name:Kelton Beaird	Title:Environmental Manager
Signature:	Date:9/20/2023
email:kbeaird@btaoil.com	Telephone:432-312-2203
OCD Only	
Received by:	Date:

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Incident ID	NAB1906551740
District RP	1RP-5383
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 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and remhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification to the Oceptance of the conaccordance with 19.15.29.13 NMAC including notification	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete. Title: _Environmental Manager Date:9/20/2023
email:kbeaird@btaoil.com	Telephone:432-312-2203
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Velson Velez	Date:01/18/2024
Printed Name: Nelson Velez	Title: Environmental Specialist – Adv

Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.

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

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

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

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

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

CONDITIONS

Action 266757

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	266757
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	1/18/2024