

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).

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com

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

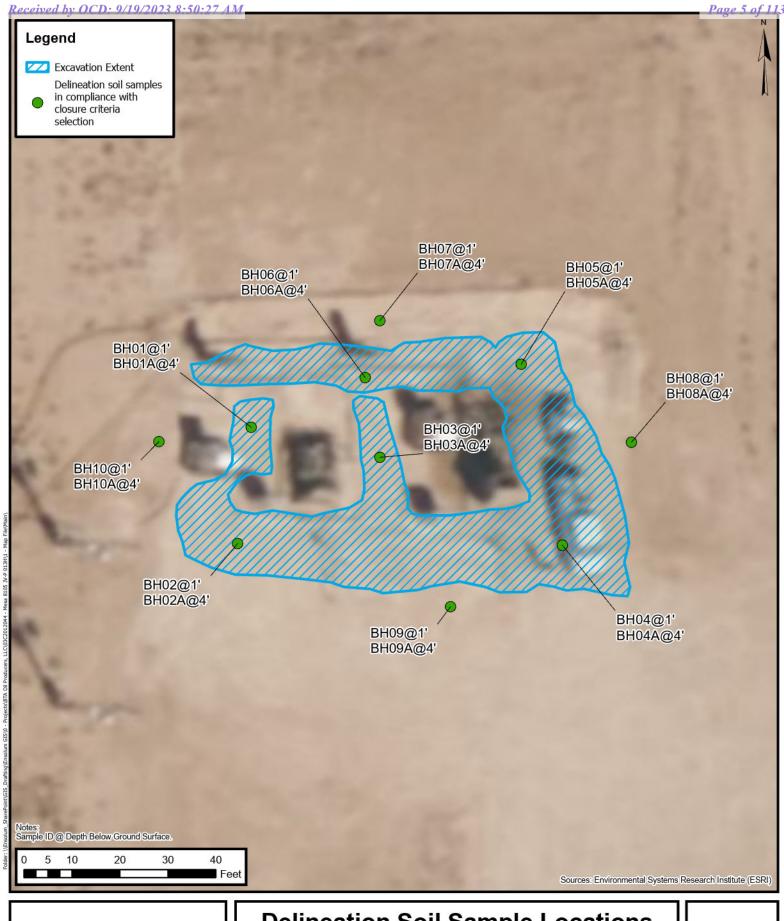
Appendix E NMOCD Notifications

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

Released to Imaging: 1/18/2024 9:03:34 AM



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 (I	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

Ensolum 1 of 1



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.

Ashley L. Azer

Principal

Ashley Ager, M.S., PG

Sincerely,

Ensolum, LLC

Aimee Cole

Senior Managing Scientist

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)

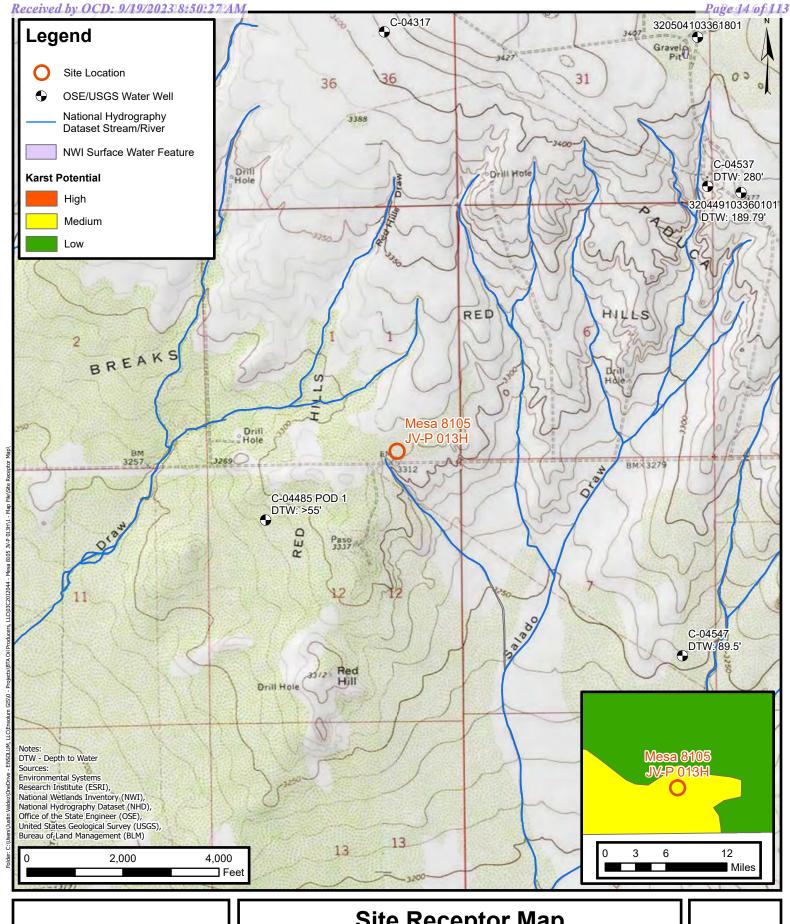
Appendix A Referenced Well Records
Appendix B Photographic Log (2019/2023)

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

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



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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

			Camada	Field Sc	reening					Labor	atory Resul	ts				
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/I 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

	POD NO. (W 0 44 L OWNER N	85	OWL 36	WELL TAG ID N NA	10.		4485		
KJ E	ENVIRON	MENTAL				PHONE (OP 214-287-5	CARLO		
500		EY ROAD				CROSS R	OADS	STATE TX 76227	ZIP
LO	WELL	LATITUDE	DEGREES 3548560	MINUTES	SECONDS N	* ACCURAC	Y REQUIRED: ONE TE	NTH OF A SECOND	
(FR	OM GPS)	LONGITUDE	629271		W	* DATUM RI	EQUIRED: WGS 84		
DESC	KIPTION RE	LATING WELL LOC	ATION TO STREET	F ADDRESS AND COMMO	N LANDMARKS – PLS	S (SECTION, TO	OWNSHJIP, RANGE) W	HERE AVAILABLE	
	SE NO. WD 1186	NAME OF L	ICENSED DRILLE	RODNEY HAMM	GD.			RILLING COMPANY	
DRILL	ING STARTE	D DRILLING E	NDED DEPTH	OF COMPLETED WELL (F		E DEPTH (FT)		VIRO-DRILL, INC.	
10	0/05/2020	10/06/20	020	55'	5.		None	RST ENCOUNTERED (FT	
	LETED WELL	1 7	AN X DR	Y HOLE SHALLO	W (UNCONFINED)	*	STATIC WATER LE	VEL IN COMPLETED W	ELL (FT)
	NG FLUID:	AIR	Гми		ES - SPECIFY:				
	NG METHOD			MMER CABLE TO		- SPECIFY:	SA		
FROM		O DIAM	(incl	(include each casing string, and		SING ECTION PE g diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
5			S	Blank	F7.1		2"	2"	-DIC
4.	5 C	8"	- 3	Blank	11		11	11 7	
					-				8
									8
-								,	Z
								=	ov 2
								-	0
DEPT	H (feet bgl)	BORE HO DIAM. (inc		LIST ANNULAR SEA RAVEL PACK SIZE-RA			AMOUNT (cubic feet)	METHOL	
55	43			and 10/			16	PLACEM	
43	41	8"		ole Plug			1	tremi	E
41	0	8"		rout '			ان وعا.	+	
c INTE				190					
ON	RNAL USE	599	an-	POD NO.		TRN NO	6933	LOG (Version 06/30/	17)

	DEPTH	(feet bgl)		7.7						ESTIMAT
	FROM	то	THICKNESS (feet)	INCLUDE WAT	UNTERED - ACTURE ZONES e all units)	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 tr		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	
								· Y	N	-
								· Y	N	
								Y	N	P1 0
	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 AND DRA	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

Project Location: LEA CO

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

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	% 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	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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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 Sample Received By: Project Number: **COMPRESSOR 3 SPILLS** Tamara Oldaker

Project Location: LEA CO

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

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	08/27/2019	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	% 73.3-12	9						
Chloride, SM4500Cl-B	loride, 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 %	37.6-14	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

	97	9	71.14.1,20	<u></u>					
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	% 73.3-129	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	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 9	% 41-142							
Surrogate: 1-Chlorooctadecane	135 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) 683-0312

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 Sample Received By: Project Number: **COMPRESSOR 3 SPILLS** Tamara Oldaker

Project Location: LEA CO

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

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

Surrogate: 1-Chlorooctadecane

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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	% 73.3-12	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	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	10.1	10.0	08/27/2019	ND					
Surrogate: 1-Chlorooctane	115	% 41-142	?						
Surrogate: 1-Chlorooctadecane	126	% 37.6-14	7						

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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 @ 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	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						

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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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Pro	Pondrica	BILL TO ANALYSIS REQUEST
Project Manager: Son Holl		
Address:		Company: SP
City:	State: Zip:	
Phone #:	Fax #:	Address:
Project #:	Project Owner:	City:
Project Name:		State: Zip:
Project Location: Wester 13	13-18- COMPRINCES	Phone #:
Sampler Name: M. A.J.	Signa.	Fax #:
FOR LAB USE ONLY	P. MATRIX	PRESERV. SAMPLING
Lab I.D. Sample I.D.	(G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: TIME CC THE TIME TIME CC THE TIME TIME CC THE TIME TIME
H902935 5, 1621	# v r+++ s	* * * * * * * * * * * * * * * * * * *
202. X 204.		X 823/4 10143 X X X X X
PLEASE NOTE: Liability and Damages: Cardinat's liability and analyses. All claims including those for negligence and any oth service. In no event shall Cardinat be liable for incidental or con-	PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or for, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed whited mixes made in writing and received by Cardinal within 30 days after competion of the asservice. In no event shall Cardinal be liable for incidental or consequental damages, including without immation, business interruptions, loss of use, or loss of profits mourised by client, its subsidiances.	PLEASE NOTE: Liability and Damages. Cardinal's liability and clierds exclusive remedy for any claim arising whether based in contract or ton, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the applicable for incidental or consequental damages, including without limitation, business interruptions less of use, or loss of profits incurred by client, its subsidiance.
Relinquished By: Relinquished By:	Relinquished By: Date: 8-36-19 Received By: Phone Res	Phone Result: Yes No Add'l Phone #: REMARKS: Yes No Add'l Fax #:

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

さかった

Sample Condition
Cool Intact
Fes 176s
No No

CHECKED BY: (Initials) 0

Midwale expertensionservices.com

Released to Imaging: 1/18/2024 9:03:34 AM

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

		OGRID	260297			
Contact Name Ben Grimes		Contact To	elephone (432	2) 682-3753		
Contact email bgrimes@btaoil.com		Incident #	(assigned by OCL	0)		
Contact mailing add	ress 104 S Pecos S	t, Midland, TX 79	9701			
Latitude 32.0660734	285	Location (NAD 83 in de			103.624070083	3
Site Name Mesa 81	05 JV-P 013H (con	npressor)		Site Type	well pad	
Date Release Discov	ered 11/24/2018			API# (If app	olicable) 30-025-	42849
Unit Letter Section Township Range		Cour	nty	1		
P 1	268	32E	Lea			
Crude Oil	aterial(s) Released (Select a Volume Release Volume Release	ed (bbls)			ustification for the	overed (bbls) 5
Is the concentration of dissolved chloride produced water >10,000 mg/l?			in the	Yes 1	` · · · · · · · · · · · · · · · · · · ·	
□ Condensate □	Volume Release				Volume Reco	overed (bbls) 5
☐ Natural Gas Volume Released (Mcf)				Volume Reco	overed (Mcf)	
Other (describe) Volume/Weight Released (provide units)			Volume/Wei	ght Recovered (provide units)		
Cause of Release						
Malfunction on com	pressor caused slop ta	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 19.15.29.7(A) NMAC? X Yes No If YES, was immediate in No	If YES, for what reason(s) does the response Yes 19.15.29.7 (A) defines 25 BBL or module of the OCD? By whom? To what when the OCD? By whom? To what when the OCD?	
The responsible	$oxed{ extbf{Initial R}}$ party must undertake the following actions immediate:	esponse by unless they could create a safety hazard that would result in injury
Released materials ha	is been secured to protect human health and	likes, absorbent pads, or other containment devices.
Per 19.15.29.8 B. (4) NN		emediation immediately after discovery of a release. If remediation
I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig	rmation given above is true and complete to the required to report and/or file certain release notiment. The acceptance of a C-141 report by the Cate and remediate contamination that pose a three	efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation. 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: Bensel Bensel: B6 r. n	Tunes Tunes nes@ BTAO,1. com	Title: Production Manager Date: 1112612018 Telephone: 432-682-3753
OCD Only Received by:		Date:

	Page 4020f 11	13
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 taler than 50 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. Field data □ Data table of soil contaminant concentration data 		

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 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. Title: Environmental Manager Printed Name: Kelton Beaird Signature: 432-312-2203 kbeaird@btaoil.com Telephone: email: **OCD Only** 06/08/2023 Jocelyn Harimon Date: _ Received by:

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 contains 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 contains the compliance with any other federal, state, or local lateral contains the compliance with any other federal, state, or local lateral contains the compliance with any other federal, state, or local lateral contains the cont	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
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

P 1 26S 32E Lea	Unit	Letter Se	ction Townshi	ip Kange	County	
	Р	1	1 /h\	32E	Lea	

Surface Owner: State Fe	ederal 🗌 Tribal 🔲 Private (_)

Nature and Volume of Release

Materia	al(s) Released (Select all that apply and attach calculations or specifi	c 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?			
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: 9/19/2023:8:50:27/AM State of New Mexico
Page 2 Oil Conservation Division

_Page 44 (of 1113

Incident ID	NAB1906552791
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: Date: 2/22/2018		
email: bhall@btaoil.c	om Telephone: 432-682-3753	
OCD Only Received by:	Date: 3/06/2019	

	Page 45 of 1	<i>13</i>
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?	☐ 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. 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 		

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.

Topographic/Aerial maps

□ 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 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: 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.	
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file complete 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 lates.	ertain release notifications and perform corrective actions for releases are 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 Signature:	Title: Environmental Manager Date: 6-6-23	
email:kbeaird@btaoil.com	Telephone: 432-312-2203	
OCD Only		
Received by:	Date:	
☐ Approved ☐ Approved with Attached Conditions of A	Approval Denied Deferral Approved	
Signature:	Date:	

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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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 well: Mesa 8195 JV-P #013H API #30-025-42849
Unit Letter	Section	Township	Range		County
P	1	265	32F	Lea	

-	_	203	321	Lea	
Surface Owner	☐ State		ribal Private (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.			

Page 49 lof 113

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 no	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	we 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.	
	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred	
	at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: Belifell Date: 2/22/2018		
email: bhall@btaoil.co	om Telephone: 432-682-3753	
OCD Only Received by:	Date: 3/6/2019	

tate of New Mexico Incident ID NAR1906551740

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 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			

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.

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	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: 6-2.5

CCD Only

Received by: Date: 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)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 			
Deferral Requests Only: Each of the following items must be confirm	ned as part of any request for deferral of remediation.		
Contamination must be in areas immediately under or around production.			
Extents of contamination must be fully delineated.			
Contamination does not cause an imminent risk to human health, the	e environment, or groundwater.		
Signature: D	in release notifications and perform corrective actions for releases of a C-141 report by the OCD does not relieve the operator of I remediate contamination that pose a threat to groundwater, ptance of a C-141 report does not relieve the operator of		
OCD Only			
Received by: Da	ate:		
☐ Approved ☐ Approved with Attached Conditions of App	roval		
Signature: Dat	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





Description: Hand auger delineation at BH03.

View: Northwest



Photograph: 2 Date: 9/13/2023

Description: Delineation activities with mini-excavator.

View: Southwest



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

	200							Sample Name: BH01	Date: 9/13/2023			
	1		NI	SC			M	Site Name: Mesa 8105 JV-P 01	.3H			
				56				Incident Number: nCH183554	7953			
								Job Number: 03C2012044				
		LITHOL	.OGI	C / SOIL SAM	PLING L	OG		Logged By: MR	Method: Mini Excavator			
Coordin	ates: 32.0	66309, -1	103.6	24585			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)		USCS/Rock Symbol	Ç	Descriptions			
М	398	5.3	Z	BH01	1 - 1 -	0 - - - - 1	CCHE	0-4' CALICHE, med brow grained, poorly sorted stain, no odor, moist.	n, medium to coarse I, sub-rounded grains, no			
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.				
					- - -	- - -						

Ī										
I	2								Sample Name: BH02	Date: 9/13/2023
		1		N	SC				Site Name: Mesa 8105 JV-P 013H	
								a bad	Incident Number: nCH18355479	53
									Job Number: 03C2012044	1
			LITHOL	.OGI	C / SOIL SAM	PLING L	OG		Logged By: MR	Method: Mini Excavator
ı		ates: 32.0							Hole Diameter: NA	Total Depth: 4'
									or chloride and vapor, respectively n all chloride screenings.	r. Chloride test performed
	Moisture Content	(π bgs) Ξ						Lithologic De		
	M	174	2.7	N	вно2	1 - 1 _	0 1 -	CCHE	0-4' CALICHE, med brown, grained, poorly sorted, s stain, no odor, moist.	medium to coarse sub-rounded grains, no
	M	<173.6	0.0	N		- - - -	- _ 2 -			
	M	<173.6	0.0	N		- - -	- _ 3 -			
	M	<173.6	0.0	Z	BH02A	4	- 4 - TD 		Total Depth @ 4' bgs.	
						- -	- - -			

-	E N					Sample Name: BH03	Date: 9/13/2023	
		N	S	0	LU	IVI	Site Name: Mesa 8105 JV-P 013H	
							Incident Number: nCH1835547953	
							Job Number: 03C2012044	
	LITHO	OLOGIC	/ SOIL S	SAMPLII	NG LOG		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.

with 1:4	dilution fa	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
M	<173.6	1.3	Ν	вноз	1	L 0 - - - 1	CCHE	0-2' CALICHE, med brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
M	<173.6	0.3	N		- - - -	- - - 2		2-4' CALICHE, red/ medium brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
M	<173.6	0.0	N		- - - -	- - 3 -		grains, no stain, no odor, moist.
M	<173.6	0.0	N	вноза	4	4 _ TD _		Total Depth @ 4' bgs.
					-	- - - -		
					-	- - - -		
					- - -	- - - -		
					- - - -	- - - -		
					-	- - - -		
						-		

-					M	Sample Name: BH04	Date: 9/13/2023
			0	LU		Site Name: Mesa 8105 JV-P 013H	
						Incident Number: nCH1835547953	
						Job Number: 03C2012044	
	LITHOLOG	SIC / SOIL S	SAMPLII	NG LOG		Logged By: MR	Method: Mini Excavator
Coordinates: 32.066239, -103.624376						Hole Diameter: NA Total Depth: 4'	
Comments: Field careening conducted with HACH Chloride Test String and DID for chloride and years, 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.

								0-
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth (ft bgs)		USCS/Rock Symbol	Lithologic Descriptions
						<u> </u>	CCHE	0-1' CALICHE, med brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
М	302	4.2	N	BH04	1 _	1		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 _		
М	<173.6	0.1	N		- - -	3 -		
М	<173.6	0.0	N	вно4А	4 _	4 TD		Total Depth @ 4' bgs.
					-	- -		
					- -	- -		
					- - -	- -		
					- - -	- - -		
					- - -	- - -		
					- - -	_ - _		
					- - -	<u>-</u>		
					_	-		

	107							Sample Name: BH05	Date: 9/13/2023	
	3		N	SC			NA	Site Name: Mesa 8105 JV-P 01	13H	
				5				Incident Number: nCH183554	7953	
								Job Number: 03C2012044		
		LITHOI	.OGI	C / SOIL SAM	PLING L	OG		Logged By: MR	Method: Mini Excavator	
Coordin	ates: 32.0	66343, -:	103.6	24402				Hole Diameter: NA	Total Depth: 4'	
			-				or chloride and vapor, respective	ely. Chloride test performed		
with 1:4	l dilution f	actor of	soil to	distilled water.	A 40% eri	ror factor is i	ncluded i	n all chloride screenings.		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth (ft bgs)		USCS/Rock Symbol	J	Descriptions	
M M M	1,002 <173.6 <173.6	0.0	2 2 2	BH05	1 -	1 2 3	CCHE	0-4' CALICHE, med brow grained, poorly sorted stain, no odor, moist.	n, medium to coarse d, sub-rounded grains, no	
M	<173.6	0.0	N	вно5а	4 _	4 TD		Total Depth @ 4' bgs.		

2		N		MUIC	Sample Name: BH06	Date: 9/13/2023				
		NI			Site Name: Mesa 8105 JV-P 013H					
						Incident Number: nCH1835547953				
							Job Number: 03C2012044			
	LITHO	.OGI	C / SOIL SAM	PLING L	OG		Logged By: MR	Method: Mini Excavator		
Coordinates:	32.066337, -:	103.62	24507				Hole Diameter: NA	Total Depth: 4'		
Comments: F	ield screening	g cond	lucted with HAC	H Chloride	e Test Strips a	ınd PID fo	or chloride and vapor, respectively. (Chloride test performed		
with 1:4 dilut	with 1:4 dilution factor of soil to distilled water. A 40% error factor is included in all chloride screenings.									
ں بو		₽0	₽	Sampl		츳 _				

with 1:4	l 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	1,271	7.3	N	вно6	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, porrly sorted, sub-rounded grains, no stain, no odor, moist.
М	<173.6	0.0	N			2 		
М	241	0.1	N		-	3 		
M	280	0.0	Z	BH06A	4 -	- 4 - TD		Total Depth @ 4' bgs.

<173.6 0.0

<173.6 0.2

<173.6 0.0

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BH07A

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	7			6.6				Sample Name: BH07 Site Name: Mesa 8105 JV-P 013	Date: 9/13/2023	
	4		N	SC) L	M	Incident Number: nCH1835547953			
								Job Number: 03C2012044		
		LITHOL	.OGI	C / SOIL SAM	PLING L		Logged By: MR	Method: Mini Excavator		
Coordinates: 32.066369, -103.624497										
		_					or chloride and vapor, respective n all chloride screenings.	ly. Chloride test performed		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	Descriptions	
М	<173.6	5.0	N	ВН07	1 - 1 _	0	CCHE	0-2' CALICHE, med brown grained, poorly sorted, stain, no odor, moist.	, medium to coarse sub-rounded grains, no	

2

3

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.

-				LU	M	Sample Name: BH08	Date: 9/13/2023
	EN	C				Site Name: Mesa 8105 JV-P 013H	
			30			Incident Number: nCH1835547953	
						Job Number: 03C2012044	
	LITHOLOGI	C / SOIL S	AMPLI	NG LOG		Logged By: MR	Method: Mini Excavator
Coordinates: 32	2.066298, -103.62	24329			Hole Diameter: NA Total Depth: 4'		
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vanor, 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.

WILI 1:4	i dilution i	actor or s	on to	distilled water.	A 40% err	or ractor is i	nciuaea ii	i 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
					<u> </u>	[0 - -	CCHE	0-2' CALICHE, med brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
M	459	1.5	N	вно8	1 _	_ 1 - -		
M	<173.6	0.0	N		-	2		2-4' CALICHE, red/ light brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
M	<173.6	0.3	Ν			3 -		
М	<173.6	0.4	N	внова	4	4 TD		Total Depth @ 4' bgs.
						- - -		
					-	- - -		
					-	- - -		
						- - -		
						- - -		
						- - - -		
						- - -		
					1	-		

<173.6 0.0

<173.6 0.0

<173.6 0.0

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BH09A

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								Sample Name: BH09	Date: 9/13/2023			
			N	SC			M	Site Name: Mesa 8105 JV-P 013H				
				5				Incident Number: nCH1835547953	3			
								Job Number: 03C2012044				
		LITHOL	.OGI	C / SOIL SAM	PLING L	OG		Logged By: MR	Method: Mini Excavator			
Coordin	ates: 32.0	66205, -1	.03.62	24452				Hole Diameter: NA	Total Depth: 4'			
	Penents: Field screening conducted with HACH Chloride Test Strips and PII 1:4 dilution factor of soil to distilled water. A 40% error factor is include Chorida Chorida Chorida Chorida Chorida					or factor is i						
N	0		S	Sa	(ft bgs)	I 0 -	CCHE	0-1' CALICHE, med brown, m grained, poorly sorted, su stain, no odor, moist.				
M	<173.6	1.5	N	ВН09				1-4' CALICHE, red/ light brown, medium to coarse grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.				

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Total Depth @ 4' bgs.

<173.6 0.0 N

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BH10A

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<173.6 0.0

<173.6 0.0

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E	1	E	N	SC	L	U	M	Sample Name: BH10 Site Name: Mesa 8105 JV-P 013 Incident Number: nCH18355479	Date: 9/13/2023 H
		LITUOI	001	C / COIL CARA	DI INC I	00		Job Number: 03C2012044	
Coordin	ates: 32.0			C / SOIL SAM 24647	PLING L		Logged By: MR Hole Diameter: NA	Method: Mini Excavator Total Depth: 4'	
		_						or chloride and vapor, respectively all chloride screenings.	y. Chloride test performed
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sampl e Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	escriptions
М	<173.6	1.0	N	BH10	1 1 -	0 - - - 1	CCHE	0-4' CALICHE, med brown, grained, poorly sorted, stain, no odor, moist.	medium to coarse sub-rounded grains, no

2

3

4 TD

Total Depth @ 4' bgs.



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)

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:

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		Analyzed 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 % 71.5-1.		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	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	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 whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. 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		Analyzed 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	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	61.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	62.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. 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
Project Number: 03C2012044 Sample Received By: Tamara Oldaker

Project Location: BTA 32.066073425,-103.624070083

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

BTEX 8021B	mg/kg			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, SM4500Cl-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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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 04 1' (H234166-04)

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



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

03C2012044 Project Location: BTA 32.066073425,-103.624070083

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

Project Number:

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	08/10/2023	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, SM4500Cl-B	mg,	/kg	Analyzed 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	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	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	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
Project Number: 03C2012044 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: BTA 32.066073425,-103.624070083

ma/ka

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

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	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	Analyzed 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	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	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Celey & 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
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	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, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	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	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

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Celey D. Keine



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: Coo

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	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 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	% 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
Project Number: 03C2012044 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: BTA 32.066073425,-103.624070083

ma/ka

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

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	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	Analyzed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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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

Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sampler - UPS - Bus - Other: Relinquished By: Relinquished By: service. In no event shall Cardinal be fiable Delivered By: (Circle One) Company Name: Ensolum, LLC FOR LAB USE ONLY Project Location: 32,06607 34285 -103 Project Manager: Lab I.D. ampler Name: arisbae 3/22/Vatione MERCHY ROBERTS SCYTON WEIVOND BH 06 Mesa Sample I.D. of or related to the perfor 1940 108 80H 70 8/05 Observed Temp. °C Fax 於 Time: Project Owner: Soon 31-4 State: Depth (feet) FLCKS HW W Zip: 88220 Received By (G)RAB OR (C)OMP 624040083 # CONTAINERS GROUNDWATER Sample Condition
Cool Intact
Yes Yes
No No WASTEWATER MATRIX AASOIL OIL SLUDGE OTHER Phone #: Fax #: City: P.O. # Adm: Ketton Company: Address: O ACID/BASE: PRESERV. CHECKED BY: (Initials) ICE / COOL 0266 idz X OTHER STA ILL TO S14239:45 DATE Steros SAMPLING NCH1836547 Scor \$ 5 R 9:50 10:25 0:00 All Results are emailed. Pleas 0 10:26 0 TIME mometer ID #H9-17 8 orides □ Yes Tex No No Add'I Phone #: e provide Email address: HGreenwensolum.com Roberts a ensolum.com ANALYSIS Bacteria (only) Sample Condition
Cool Infact Observed Temp.

Yes Yes
No No Corrected Temp. REQUEST Observed Temp. °C Corrected Temp. °C

Page 13 of 13



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.

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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.

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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

Project Location: BTA

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

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	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 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	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 9	% 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	Analyzed 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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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	Analyzed 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 Project Number: 03C2012044 (32.06584,-103.62410) Sample Received By: Dionica Hinojos

Project Location: BTA

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

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 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	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 9	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

Project Location: BTA

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

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	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	14						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	14						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	18						

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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

Project Location: BTA

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

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

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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

Project Location: BTA

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

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	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 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 %	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 Project Number: Sample Received By: 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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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, 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	79.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

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 Project Number: 03C2012044 (32.06584,-103.62410) Sample Received By: 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, 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	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

with Sigh



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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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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mile Sough

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

Page 12 of 13

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	d Damage d flose to g flose to g out of or	4 BH03A 4 BH04A 5 BH05A 6 BH06A 7 BH07A 8 BH08A 9 BH09A	Lab I.D. Sample I.D. H234940 1 8401A 2 8402A	Phone #: 432.557.8895 Project #: 03C2012044 Project Name: Mesa 8105 Project Location: 32.05584 Sampler Name: Mccdith	pany Name: oct Manager ess: 312
Date: Received By: Received By: Received By: Remarks: Remarks	Totales remary for any claim arting whether based in contract or lost that whiteleaver shall be deemed waived unless made in willing and received deam yet, including without limitation, business interruptions, loss of tase, the contract of Cardinal repurdees of whether such claim, a based or steel the contract of the		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER X SOIL OIL SLUDGE OTHER:	State: NM Zip: 88220 Fax #: Project Owner: JY-P 013H -103-62410 Roberts MATRIX	Hadlie Green Nat'l Parks Hww
In Cidunt #: nCH1835547953 ED BY: Turnaround Time: Standard Bacteria (on International Factor #660 24 Hr Yes Yes Yes	all be lamited to the amount paid by the cleant for the by Carriford within 30 days after completion of the applicable of posits incurred by client, its autobuldante, as autobuldante, and the above stated reasons or otherwise. Verbal Results are the completion of the Add 1 Pi	1045	ACID/BASE: XICE/COOL OTHER: VI3/23 TIME X BYEX X Chlorides X TPH	i D4	B// 1/0
T953 Recteria (only) Sample Condition Cool Intact Observed Temp. °C	None辨				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 BTA Oil Producers				OGRID 260297						
Contact Name Ben Grimes					Contact T	Contact Telephone (432) 682-3753				
Contact email bgrimes@btaoil.com				Incident #	(assigned by OCL	0)				
Contact mail	ling address	104 S Pecos St	t, Midland, TX 79	701	-					
Latitude 32.0	0660734285_		Location (NAD 83 in de			103.624070083	3			
Site Name N	Aesa 8105 J	V-P 013H (com	pressor)		Site Type	well pad				
Date Release	Discovered	11/24/2018			API# (If ap)	plicable) 30-025	42849			
Unit Letter	Section	Township Range			Cour	nty	1			
P	1	26S	32E	Lea						
☐ Crude Oil		Volume Release	ed (bbls)			Volume Rec	ne volumes provided below) overed (bbls) overed (bbls) 5			
		Is the concentra produced water	tion of dissolved of >10.000 mg/l?	chloride	e in the	☐ Yes ☐ No				
□ Condensa	ite	Volume Release				Volume Recovered (bbls) 5				
Natural G	ias	Volume Release	ed (Mcf)			Volume Recovered (Mcf)				
Other (de	scribe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)				
Cause of Rel	ease									
Malfunction	on compress	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 100 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 taler than 20 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: Fach of the following items must be included in the report					

<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 8:50:27 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Page 101 of 113

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

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 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 the OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In or 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:

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.

✓ 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			
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 additions 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	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
Р	1	26S	32E	Lea

Surface Owner: \square State \boxtimes Federal \square Tribal \square Private	()

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.				

Received by QCD: 9/19/2023 8:50:27 AM state of New Mexico
Page 2 Oil Conservation Division

	Application ID		
Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?		
Was this a major release as defined by	11 1 E.S., for what reason(s) does the responsible party consider this a major release?		
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.		
☐ The impacted area ha	as been secured to protect human health and the environment.		
Released materials ha	Released materials have 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:		
	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 area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.			
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and		
	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 investig	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In		
and/or regulations.	f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws		
1			

Date: 2/22/2018

3/06/2019

Date:

Telephone: 432-682-3753

email: bhall@btaoil.com

Signature:

OCD Only

Received by:

Printed Name: Bob Hall Title: Environmental Manager

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

Page 105 of 113

Site Assessment/Characterization

Ints 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.
<u> </u>
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
La Davoratory 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 8:50:27 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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

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 t 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 the OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In or 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:

Page 107 of 113

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 19.15.29.1	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	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 additions 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 water, 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: N	Mesa 8105	JV-P 13/18 Co	mpressor		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	

.11				
Surface Owner:	☐ State ☐ Fe	deral Tribal 🗌	Private ()

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		
	failure on the compressor, as occurred as a se slop tank and caused the tank to overflow.	· ·

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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

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Incident ID	NAB1906551740
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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.

This information must be provided to the appropriate district office no taler than 50 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. 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

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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	NAB1906551740
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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
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 water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by: Nelson 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 266743

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	266743
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created		Condition
Ву		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