

October 2, 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: Closure Request

Mesa 8105 JV-P #006

Incident Number nOY1814228433

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 #006 (Site), in accordance with an approved *Remediation Work Plan (Work Plan)* submitted June 9, 2023. The *Work Plan* proposed lateral and vertical delineation of the release. Based on the delineation activities completed and laboratory analytical results from the soil sampling events in accordance with the *Work Plan*, BTA is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nOY1814228433.

Details regarding the release, Site characterization, and proposed remediation activities can be referenced in the original *Work Plan* submitted on June 9, 2023. The *Work Plan* is included as Appendix A. On July 7, 2023, the New Mexico Oil Conservation Division (NMOCD) approved the *Work Plan* with the following conditions:

Workplan/Remediation Plan is approved with the following conditions: Please make sure the floor confirmation samples are delineated/excavated to meet closure criteria standards for proven depth to water determination. Sidewall samples should be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. This application does not include the C-141 Remediation Pages. A Remediation Plan/ Closure report should be submitted no later than 10/05/2023.

### **BACKGROUND**

The Site is located in Unit B, Section 11, Township 26 South, Range 32 East, in Lea County, New Mexico (32.063978°, -103.643604°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On May 17, 2018, a produced water pipeline leak resulted in the release of approximately 80 barrels (bbls) of produced water. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 50 bbls of produced water were recovered. BTA reported the release immediately to the NMOCD via email and submitted a Release Notification Form C-141 (Form C-141) on May 17, 2018. The release was assigned Incident Number nOY1814228433.

BTA Oil Producers, LLC Closure Request Mesa 8105 JV-P #006

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 (19.15.29) of the New Mexico Administrative Code (NMAC). Based on the results of the Site Characterization reported in the June 2023 *Work Plan* (Appendix A), 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/kgChloride: 20,000 mg/kg

# **DELINEATION ACTIVITIES AND ANALYTICAL RESULTS**

On August 11 and August 25, 2023, Ensolum personnel were at the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. No visible indications of the historical release were observed during the Site visit. Four delineation soil samples (SS01 through SS04) were collected around the inferred release extent at a depth of 0.5 feet below ground surface (bgs) to assess the lateral extent of chemicals of concern (COCs) resulting from the produced water release. Boreholes (BH01 through BH04) were advanced via hand auger within the inferred release extent to assess the vertical extent of the release. The boreholes were advanced to a depth of 4 feet bgs. Discrete delineation soil samples were collected from the boreholes at depths ranging from 1-foot to 4 feet bgs. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix B. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as 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 analysis of the following 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 SS01 through SS04 and all delineation samples collected from boreholes BH01 through BH04, collected within and around the inferred release extent, respectively, indicated all COC concentrations were compliant with the most stringent Table I 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 to assess for the presence or absence of impacted soil resulting from the May 2018 release of produced water. Laboratory analytical results for the delineation soil samples indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Based on laboratory analytical results, no impacted soil was identified, and no further remediation is required.



BTA Oil Producers, LLC Closure Request Mesa 8105 JV-P #006

No visible indications of the release were observed. Initial response efforts and/or natural attenuation appear to have mitigated potential impacts at this Site. BTA believes these remedial actions are protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Number nOY1814228433. Notifications submitted to the NMOCD are included in Appendix E and the final Form C-141 is included as 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** 

Hadlie Green Project 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 Original Remediation Work Plan
Lithologic Soil Sampling Logs

Appendix C Photographic Log

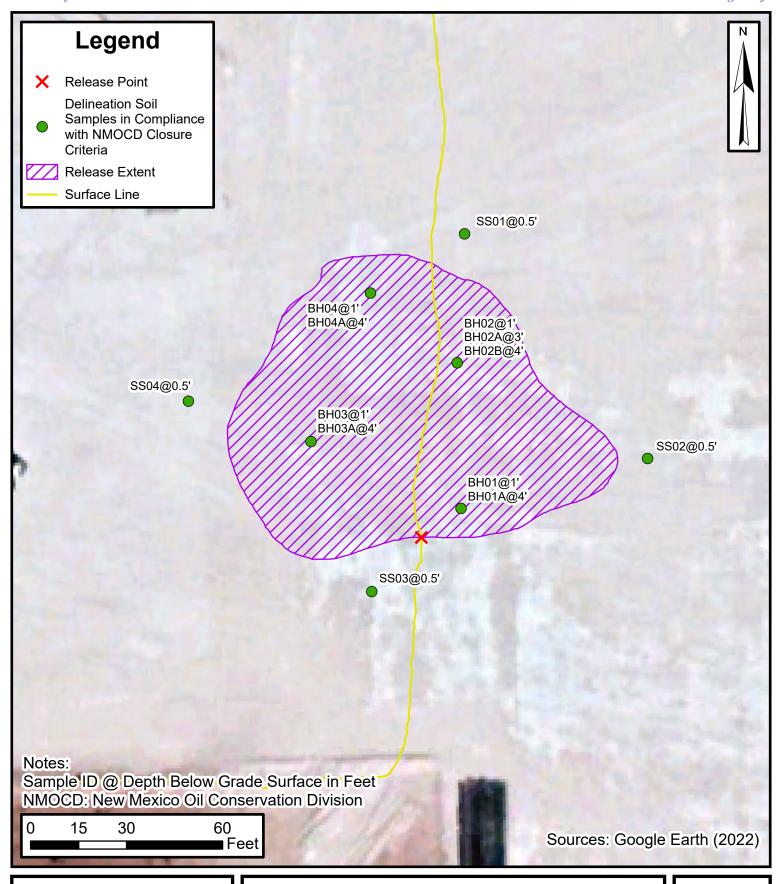
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E NMOCD Notifications

Appendix F Final C-141



**FIGURES** 





# **Delineation Soil Sample Locations**

Mesa 8105 JV-P #006 BTA Oil Producers, LLC Incident Number: nOY1814228433 Unit B, Sec 11, T26S, R32E Lea County, New Mexico FIGURE

1



**TABLES** 



# TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** MESA 8105 JV-P #006 **BTA Oil Producers, LLC** Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delir	neation Soil Sa	mples	<u> </u>			
SS01	08/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS02	08/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SS03	08/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS04	08/11/2023	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
BH01	08/11/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
BH01A	08/25/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH02	08/11/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
BH02A	08/11/2023	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
BH02B	08/11/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
BH03	08/11/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH03A	08/11/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH04	08/11/2023	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BH04A	08/11/2023	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

GRO: Gasoline Range Organics

TPH: Total Petroleum Hydrocarbon

DRO: Diesel Range Organics

ORO: Oil Range Organics

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.

Ensolum 1 of 1



**APPENDIX A** 

Original Remediation Work Plan



June 9, 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: Remediation Work Plan

Mesa 8105 JV-P #006

**Incident Number nOY1814228433** 

Lea County, New Mexico

# To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared the following *Remediation Work Plan* (*Work Plan*) to propose assessment and soil sampling activities to confirm the presence or absence of impacted soil at the Mesa 8105 JV-P #006 (Site). The purpose of the Site assessment and soil sampling activities is to determine if impacted soil is present and if so, delineate the lateral and vertical extent of impacted soil resulting from a historical release of produced water at the Site.

# SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 11, Township 26 South, Range 32 East, in Lea County, New Mexico (32.063978°, -103.643604°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On May 17, 2018, a produced water pipeline leak resulted in the release of approximately 80 barrels (bbls) of produced water. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 50 bbls of produced water were recovered. BTA reported the release immediately to the New Mexico Oil Conservation Division (NMOCD) via email and submitted a Release Notification Form C-141 (Form C-141) on May 17, 2018. The release was assigned Incident Number nOY1814228433.

# 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 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of 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 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well is New Mexico Office of the State Engineer (NMOSE) well C-04549, located approximately 3,025 feet west of the Site. The well was drilled to a depth of 103 feet bgs during July 2021 and no groundwater was encountered. As such, depth to groundwater has been reasonably estimated to be greater than 100 feet bgs at the

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

BTA Oil Producers, LLC Remediation Work Plan Mesa 8105 JV-P #006H

Site. 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 riverine, located approximately 880 feet east-southeast 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 underlain by stable 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 for the following chemicals of concern (COCs):

- 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: 20,000 mg/kg

# SITE ASSESSMENT AND DELINEATION ACTIVITIES

On May 30, 2023, Ensolum personnel completed a Site visit to evaluate the release extent based on information provided on the Form C-141 and visual observations; however, a drilling rig was actively operating on the pad, which obstructed Ensolum personnel from gathering analytical delineation samples due to health and safety concerns as well as the physical impedance of the drilling equipment relative to the release extent location. As such, no initial Site assessment or delineation soil samples were collected. The approximate surface area of the release was estimated from the perimeter of surficial visual impacts and mapped with a handheld Global Positioning System (GPS) unit. The release extent is shown on Figure 2. A photographic log of the Site is included in Appendix B.

# PROPOSED REMEDIATION WORKPLAN

A total of approximately 30 bbls of produced water was unrecovered following the release at the Site on May 17, 2018. Delineation soil sampling could not be completed at the Site on May 30, 2023, due to the presence of an actively operating drilling rig on the pad. Surficial visual staining was mapped out to document the release extent. The surface area of the release is estimated to be 7,880 square feet with a perimeter of approximately 342 feet. BTA requests approval to complete the following delineation activities once drilling operations are complete and the release area can be accessed:

• Initial Site assessment sampling in order to confirm the presence or absence of impacted soil, which will include horizontally and vertically delineating the release extent. Ensolum will advance representative hand auger or backhoe borings within the release extent and advance them until 1-foot bgs or until field screening results indicate concentrations of COCs in soil are in compliance with the Site Closure Criteria. Two soil samples will be collected from each of the soil borings within the release extent: the soil sample exhibiting the highest field screening results and the terminus of the soil boring. Additional soil samples will be collected at 0.5 feet bgs outside of the release extent to confirm the lateral definition of the release. Proposed soil sample locations are depicted on Figure 2.



BTA Oil Producers, LLC Remediation Work Plan Mesa 8105 JV-P #006H

- Delineation samples will be field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and screened for chloride utilizing Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips.
- Soil samples will be 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 will be transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following 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 Standard Methods Committee (SMC) Standard Method (SM) SM4500.

BTA will begin the delineation activities described above within 90 days of the date of approval of this *Work Plan* by the NMOCD. If laboratory analytical results indicate concentrations of all COCs are in compliance with the Site Closure Criteria, a Closure Request will be prepared and submitted to the NMOCD for concurrence. If laboratory analytical results do indicate the presence of impacted soil, BTA will submit a *Revised Remediation Work Plan (RRWP)* to outline additional remedial actions to address those findings.

BTA believes the scope of work described above meets the requirements set forth in 19.15.29 NMAC and is protective of human health, the environment, and groundwater. As such, BTA respectfully requests approval of this *Work Plan* from NMOCD.

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

Sincerely, **Ensolum**, **LLC** 

Wes Weichert, PG Project Geologist

War Wint

Tacoma Morrissey Senior Geologist

Mouissey

cc: Kelton Beaird, BTA Nathan Sirgo, BTA

**Bureau of Land Management** 

# Appendices:

Figure 1 Site Location Map

Figure 2 Release Extent and Proposed Soil Sample Locations

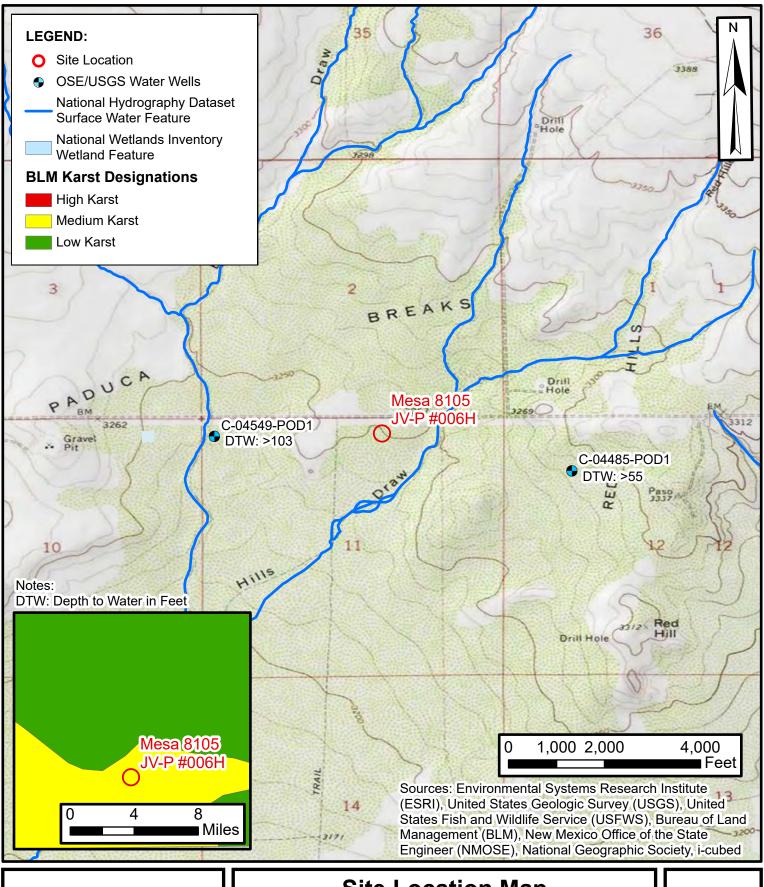
Appendix A Referenced Well Records

Appendix B Photographic Log Appendix C Form C-141





**FIGURES** 





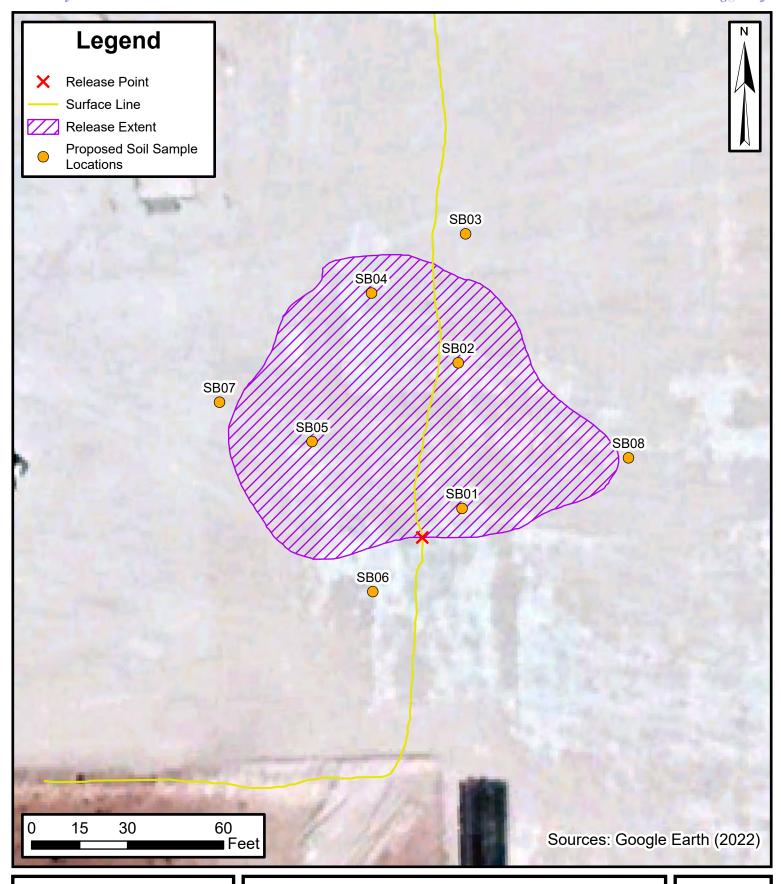
# **Site Location Map**

Mesa 8105 JV-P #006H BTA Oil Producers, LLC

Incident Number: nOY1814228433 Unit B, Sec 11, T26S, R32E Lea County, New Mexico 1

**FIGURE** 

Released to Imaging: 10/4/2023/7:50139 AM





# **Proposed Soil Sample Locations**

Mesa 8105 JV-P #006H BTA Oil Producers, LLC Incident Number: nOY1814228433 Unit B, Sec 11, T26S, R32E Lea County, New Mexico **FIGURE** 

2



**APPENDIX A** 

Referenced Well Records

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

DSE DIT AUG 2 2021 PM4:45

NODE (ONW-1)		OSE POD N		0.)		WELL TAG ID NO.			OSE FILE NO	(S).			
NAME OF LICENSED DRILLER   STATES AND   STATES AND   DEPTH OF COMPLETED WELL OFT)   DOWN IN A MARE OF WELL DRILLING COMPLATY A MAIN Engineering Associates, Inc.	Z	POD1 (N	/W-1)			n/a			C-4549				
NAME OF LICENSED DRILLER   STATES AND   STATES AND   DEPTH OF COMPLETED WELL OFT)   DOWN IN A MARE OF WELL DRILLING COMPLATY A MAIN Engineering Associates, Inc.	Ė	WELL OWN	IER NAME(	S)		l			PHONE (OPTI	ONAL)			
NAME OF LICENSED DRILLER   STATES AND   STATES AND   DEPTH OF COMPLETED WELL OFT)   DOWN IN A MARE OF WELL DRILLING COMPLATY A MAIN Engineering Associates, Inc.	ည်												
NAME OF LICENSED DRILLER   STATES AND   STATE WATER LEVEL IN COMPLETED WELL GT)   LICENSED DO   TO   103   ±8.5   Boring-HSA	] ]	WELL OWN	JER MAII IN	G ADDRESS					CITY		OT A TEL		770
NAME OF LICENSED DRILLER   STATES AND   STATES AND   DEPTH OF COMPLETED WELL OFT)   DOWN IN A MARE OF WELL DRILLING COMPLATY A MAIN Engineering Associates, Inc.	WELI								I				ZIP
NAME OF LICENSED DRILLER   STATES AND   STATES AND   DEPTH OF COMPLETED WELL OFT)   DOWN IN A MARE OF WELL DRILLING COMPLATY A MAIN Engineering Associates, Inc.	Ę	WEIT		D	EGREES	MINUTES	SECO	NDS					
NAME OF LICENSED DRILLER   STATES AND   STATES AND   DEPTH OF COMPLETED WELL OFT)   DOWN IN A MARE OF WELL DRILLING COMPLATY A MAIN Engineering Associates, Inc.	[V]			TTTIDE	32	4	40	.92 N	* ACCURACY	REQUIRED: ONE TEN	TH OF A	SECOND	
NAME OF LICENSED DRILLER   STATES AND   STATE WATER LEVEL IN COMPLETED WELL GT)   LICENSED DO   TO   103   ±8.5   Boring-HSA	₹			MITODE	102	27			j	-			
NAME OF LICENSED DRILLER   STATES AND   STATE WATER LEVEL IN COMPLETED WELL GT)   LICENSED DO   TO   103   ±8.5   Boring-HSA	N E		, Lu										
LICENSE NO   1249   DARLING STARTED   DRILLING STORE OF THE INTERVAL   DEPTH (FOLD STARTED   O7/14/2021   DEPTH OF COMPLETED WELL (FT)   103   STATIC WATER LEVEL IN COMPLETED WELL (FT)   In/A   I					O STREET ADD	RESS AND COMMON I	AND	IARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVA	ILABLE	
DEPTH (feet bgl)   BORE HOLE   DIAM (inches)	1	NW NW	NW Sec.	11 T26S R32E	***								
DEPTH (feet bg)   BORE HOLE   DIAM (inches)   BORE HOLE   DIAM (inches)   DEPTH (feet bg)   DIAM (inches)		LICENSE N	O.	NAME OF LICENSEI	DRILLER					NAME OF WELL DR	ILLING C	OMPANY	
O7/14/2021 O7/14/2021 temporary well material 103 STATIC WATER LEVEL IN COMPLETED WELL (FT) IN/A  COMPLETED WELL IS: ARTESIAN													
COMPLETED WELL IS: ARR MID ADDITIVES - SPECIFY:  DRILLING FLUID: AIR MID ADDITIVES - SPECIFY:  DRILLING METHOD: ROTARY HAMMER CASILE TOOL TOTHER - SPECIFY:  DEPTH (feet bgl) BORE HOLE GRADE (include each casing string, and note sections of screen)  O 103 #8.5 Boring- HSA  DEPTH (feet bgl) BORE HOLE DIAM (inches)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and note sections of screen)  DEPTH (feet bgl) BORE HOLE GRADE (include seach casing string, and TYPE (include seach casing string, and TY				1						DEPTH WATER FIR			)
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GUIDIC feet) FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO.  FROM TO FILE NO.  FILE NO	Z	COMPLETE	D WELL IS:	ARTESIAN	Ø DRY HO	LE SHALLOW	(UNC	ONFINED)		STATIC WATER LEV			ELL (FT)
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GUIDIC feet) FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO.  FROM TO FILE NO.  FILE NO	) II	DRILLING I	LUID:	<b></b> ✓ AIR	MUD	ADDITIVES	S - SPE	CIFY:	<del>-</del>	<del>'-</del>			
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GRAVEL PACK SIZE-RANGE BY INTERVAL  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO. TRN NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN	RM	DRILLING I	METHOD:	ROTARY	П намме	R CABLE TO	OL	<b>✓</b> OTHE	R - SPECIFY:	Hollo	w Stem	Auger	
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GUIDIC feet) FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO.  FROM TO FILE NO.  FILE NO	NFO	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND/	OR.		GD1G	CASING	CAR	NO WAY	T
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GUIDIC feet) FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO.  FROM TO FILE NO.  FILE NO	5	FROM	то										
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GRAVEL PACK SIZE-RANGE BY INTERVAL  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO. TRN NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN	SI			(inches)	(include	each casing string, as	nd	т	YPE	1	(	inches)	
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GRAVEL PACK SIZE-RANGE BY INTERVAL  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO. TRN NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN	J Z	0	103	±8.5				(aud coupi	ung diameter)	-	<del> </del>		-
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GRAVEL PACK SIZE-RANGE BY INTERVAL  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO. TRN NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN	မွို့					·····	-			·		8	<del>                                     </del>
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GUIDIC feet) FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO.  FROM TO FILE NO.  FILE NO			1	-	<del>                                     </del>	* <u>.</u>							
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GRAVEL PACK SIZE-RANGE BY INTERVAL  WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. TRN NO.  FILE NO. TRN NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN NO.  FILE NO. TRN					<u> </u>				<del></del>		-	<del></del>	
DEPTH (feet bgl) FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL GRAVEL PACK SIZE-RANGE BY INTERVAL FOR OSE INTERNAL USE FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 06/30/17) FILE NO. C 4549 FOD NO. ( TRN NO. 6983	ā				<del> </del>	<del></del>							
FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet) PLACEMENT  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inche	~				ļ								ļ
FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet) PLACEMENT  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inche			-										
FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet) PLACEMENT  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inche													
FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet) PLACEMENT  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inche												_	l
FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet) PLACEMENT  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inche													
FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet) PLACEMENT  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet)  FROM TO DIAM. (inche													
FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY INTERVAL (cubic feet) PLACEMENT  FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17)  FILE NO. C 4549  POD NO. TRN NO. 6983		DEPTH	(feet hel)	PODE HOLE		OT ANDITH AD OUR	T N/A	TERIAL A	ND	AMOUNT			
FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17)  FILE NO. C - U5 U 9  POD NO.   TRN NO. 6 9 8 3   8	4				1								
FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17)  FILE NO. C - U5 U 9  POD NO.   TRN NO. 6 9 8 3   8	Z	FROM	10						KVAL	(cubic feet)			
FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17)  FILE NO. C 4549  POD NO. TRN NO. 6983 8	E				ļ								
FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17)  FILE NO. C 4549  POD NO. TRN NO. 6983 8	₹				<u> </u>								
FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17)  FILE NO. C 4549  POD NO. TRN NO. 6983 8	¥												
FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17)  FILE NO. C - U5 U 9  POD NO.   TRN NO. 6 9 8 3   8	1												
FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17)  FILE NO. C 4549  POD NO. TRN NO. 6983 8										· · · · · · · · · · · · · · · · · · ·			
FOR OSE INTERNAL USE  WR-20 WELL RECORD & LOG (Version 06/30/17)  FILE NO. C 4549  POD NO. TRN NO. 6983 8	3. A	<del></del>				<del> </del>							
FILE NO. C- 4549 POD NO. ( TRN NO. 6983   8											-+		
FILE NO. C- 4549 POD NO. ( TRN NO. 6983   8	l		1	<u>. I</u>	1					<u> </u>			
			NAL USE	1.0			-				LOG	Version 06/30	0/17)
LOCATION 265-32-1   WELL TAG ID NO. AA- PAGE 1 OF 2			ÄÐ	4 <u>7                                    </u>		POD NO.	(		TRN N	10.648	نلك	<u>×</u>	
	Loc	ATION Z	عط"	5-32E-	/	1.1.			WELL TAG II	) NO. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	~	PAGE	1 OF 2

	DEPTH (	feet bgl)	THICKNESS (feet)	INCLUDE WATE	R-BEARIN		R FRAC	CTURE ZONE	s	WATI BEARI	NG?	ESTIMATED YIELD FOR WATER-
				(attach sup	plemental s	heets to fully d	escribe	all units)		(YES/	NO)	BEARING ZONES (gpm)
	0	4	4		Caliche, C	onsolidated, W	hite			Y	√ N	
l	4	9	5	Calich	e, Consolida	ted, with fine-	grained,	Tan		Y	√ N	
	9	14	5		Caliche, C	onsolidated , W	hite			Y	<b>√</b> N	
	14	19	5	Calich	e, Consolida	ted, with fine-	grained,	Tan		Y	√N	
	19	69	50	Sand, Fine-gra	ined poorly	graded, with cal	iche , Ta	nish Brown		Y	√N	
11	69	79	103	Cla	y, Stiff, High	Plasticity, Dar	k Brown	١,		Y	√N	-
4. HYDROGEOLOGIC LOG OF WELL				W						Y	N	
Ö										Y	N	
9										Y	N	<del></del>
Cic					<del></del>					Y	N	
OTO								, 1, 1		Y	N	
) de										Y	N	
DRC										Y	N	
H.										Y	N	
4										Y	N	
										Y	N	-
										Y	N	
		-								Y	N	
						···		- 11-11-11-11		Y	N	
					<del></del>			·		Y	N	
			·· •					<del></del>		Y	N	<del></del>
			TIMATE YIELD	OF WATER-BEARING	STRATA:					AL ESTIMA		
	PUMI	, [V	IR LIFT	BAILER OT	HER – SPEC	IFY:			WEI	L YIELD	(gpm):	0.00
NOI	WELL TEST	TEST I	RESULTS - ATTA T TIME, END TIM	ACH A COPY OF DAT. ME, AND A TABLE SH	A COLLEC	TED DURING SCHARGE AN	WELL 1 D DRA	ESTING, INC	LUDI ER TH	NG DISCH E TESTING	ARGE N PERIO	ÆTHOD, D.
TEST; RIG SUPERVISION	MISCELLAI	NEOUS INF	ORMATION: Te fee	mporary well materia	ls removed ce, then hyd	and the soil b	oring b te chips	ackfilled usin from ten fee	g drill t belo	cuttings f w ground s	rom tot surface	al depth to ten to surface.
	PRINT NAM	E(S) OF DE	ULL RIG SUPER	VISOR(S) THAT PROV	/IDED ONS	ITE SUPERVI	SION O	F WELL CON	STRUC	CTION OTI	IER TH	AN LICENSEE:
.5.	Shane Eldridge, Cameron Pruitt, Carmelo Trevino											
TURE	CORRECT R	ECORD OF	THE ABOVE D	IES THAT, TO THE BE ESCRIBED HOLE ANI DOYS AFTER COMP	D THAT HE	OR SHE WIL	L FILE '	GE AND BELI THIS WELL R	EF, TI ECOR	HE FOREG D WITH T	OING IS HE STA	S A TRUE AND TE ENGINEER
6. SIGNATURE	Jack Ar	tkins		Jac	kie D. Atki	ns				07/29/2	2021	
		SIGNATU	JRE OF DRILLE	R / PRINT SIGNEE N	IAME					D	ATE	
F∩¤	OSE INTERN	JAT TICE						WD 24 WEY	I DO	70PD 4.7.0	20.07:	-i 06/20/2015
	E NO.	ڴڴڗ	19	· ·	POD NO.	1		TRN NO.	TKE	1821	JG (Ver	sion 06/30/2017)
LOC	cation 2	68-3	30E-1		1.1.		WELL	TAG ID NO.	<u>۔                                    </u>	NA		PAGE 2 OF 2



**APPENDIX B** 

Photographic Log



# **Photographic Log**

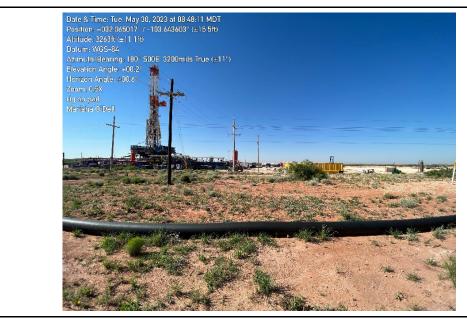
BTA Oil Producers, LLC Mesa 8105 JV-P #006 Incident Number nOY1814228433



Photograph 1

Date: May 30, 2023

Description: View of historical release area and ongoing drilling operations



Photograph 2

Date: May 30, 2023

Description: View of historical release area and ongoing drilling operations



**APPENDIX C** 

Form C-141

<u>District I</u> 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

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification	on and Corrective Action				
	OPERATOR Initial Report Final Report				
Name of Company BTA OIL PRODUCERS, LLC	Contact KAYLA MCCONNELL				
Address 104 SOUTH PECOS, MIDLAND TX, 79701	Telephone No. 432-682-3753				
Facility Name MESA 8105 JV-P #6	Facility Type PRODUCED WATER PIPELINE				
Surface Owner FEDERAL Mineral Owner	FEDERAL API No. 30-025-42844				
	ON OF RELEASE				
The state   The	th/South Line   Feet from the   East/West Line   County				
B 11 268 32E 330	NORTH 2198 EAST LEA				
<b>Latitude</b> 32.063978	Longitude103.643604 NAD83				
NATUR	E OF RELEASE				
Type of Release PRODUCED WATER	Volume of Release 80 BBL Volume Recovered 50 BBL				
Source of Release PIPELINE BURST	Date and Hour of Occurrence 5/17 Date and Hour of Discovery 5/17/18 6 AM				
Was Immediate Notice Given?	d If YES, To Whom? Olivia Yu - NMOCD Shelly Tucker - BLM				
By Whom? Kayla McConnell	Date and Hour 5/17/18 9:45 am				
Was a Watercourse Reached?  ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse.				
If a Watercourse was Impacted, Describe Fully.*					
	RECEIVED				
	By Olivia Yu at 7:51 am, May 22, 2018				
	By Olivia Tu at 7.51 am, may 22, 2010				
Describe Cause of Problem and Remedial Action Taken.*  Pipeline release carrying produced water was discovered early morning by field	foremen. Vacuum truck was called in for cleanup, recovered estimated 50 bbl.				
Tipomo totalio carrying produced mater mas discovered alley morning by role	у на				
Describe Area Affected and Cleanup Action Taken.*					
Vacuum truck was called in for cleanup, environmental group will be onsite 5/18	3/18 to evaluated the area.				
I hereby certify that the information given above is true and complete to	the best of my knowledge and understand that pursuant to NMOCD rules and notifications and perform corrective actions for releases which may endanger				
public health or the environment. The acceptance of a C-141 report by	the NMOCD marked as "Final Report" does not relieve the operator of liability				
should their operations have failed to adequately investigate and remedi	ate contamination that pose a threat to ground water, surface water, human health				
federal, state, or local laws and/or regulations.	does not relieve the operator of responsibility for compliance with any other				
	OIL CONSERVATION DIVISION				
Signature: Kayla McComull	A				
Signature.	Approved by Environmental Specialist:				
Printed Name: Kayla McConnell	· · · · · · · · · · · · · · · · · · ·				
Printed Name: Kayla McConnell  Title: Regulatory Analyst	Approval Date: 5/22/2018 Expiration Date:				
	Approval Date: 5/22/2018 Expiration Date:				
Title: Regulatory Analyst	Approval Date: 5/22/2018 Expiration Date:				
Title: Regulatory Analyst  E-mail Address: kmcconnell@btaoil.com	Approval Date: 5/22/2018   Expiration Date:  Conditions of Approval:   See attached directive   Attached				
Title: Regulatory Analyst  E-mail Address: kmcconnell@btaoil.com  Date: 5/17/2018 Phone: 575-393-3117	Approval Date: 5/22/2018 Expiration Date:  Conditions of Approval: Attached				

pOY1814229961

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

Responsible Party BTA Oil Producers, LL

Contact Name Kelton Beaird

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	nOY1814228433
District RP	1RP-5067
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

OGRID 5380

Contact Telephone 432-312-2203

Contact email kbeaird@btaoil.com					Incident # (assigned by OCD): nOY1814228433			
Contact mail	ing address	104 S. Pecos St.	Midland, TX 797	701	I			
			Location	n of R	elease S	ource		
Latitude 32.0	63978				Longitude	-103.643604		
<u> </u>	03770		(NAD 83 in a		grees to 5 deci			
Site Name: M	lesa 8105 JV	7-P #006			Site Type:	: Oil & Gas Pro	duction	
Date Release	Discovered:	05/17/2018			API# (if ap	pplicable): 30-025-	42844	
TT to T	g .:	TD 1:	D	<u> </u>	C			
Unit Letter B	Section 11	Township 26S	Range 32E	Lea	Cou	nty	-	
В	11	205	32L	Lea				
Surface Owner	r: State	E Federal Tr	ribal 🗌 Private (	(Name: _			)	
			Nature an	d Val	uma af	Dologgo		
			Nature an	ia voi	ume or	Kelease		
Crude Oil		l(s) Released (Select a		ch calculati	ons or specifi		ne volumes provided below) overed (bbls):	
☐ Crude On		Volume Release				Volume Recovered (bbls): 50		
Z i roduccu	· · · atci		tion of dissolved	chloride	in the	Yes No		
		produced water	>10,000 mg/l?	cinoriae	in the			
Condensa		Volume Release					eovered (bbls)	
Natural G		Volume Release				Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide unit			de units)		Volume/We	ight Recovered (provide units)		
G CD 1		1 1	1 1'	. ,	1 1	. 1 .1 6.1	10	
		luced water pipeli red an estimated :		iscovered	l early mori	ning by the field	d foreman. A vacuum truck was called	
1								

Received by OCD: 10/3/2023/2520:081PM State of New Mexico Page 2 Oil Conservation Division Page 23 of 70

Incident ID	nOY1814228433
District RP	1RP-5067
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsi	ble party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Release greater than 25.0 bbls	
⊠ Yes □ No		
		m? When and by what means (phone, email, etc)? Yu (NMOCD) and Shelly Tucker (BLM on May 17, 2018
	Initial Res	ponse
The responsible p	party must undertake the following actions immediately u	nless they could create a safety hazard that would result in injury
The source of the release	ase has been stopped.	
☐ The impacted area ha	s been secured to protect human health and th	e environment.
Released materials have	ve been contained via the use of berms or dike	es, absorbent pads, or other containment devices.
All free liquids and red	coverable materials have been removed and m	nanaged appropriately.
If all the actions described N/A	d above have <u>not</u> been undertaken, explain wh	y:
has begun, please attach a	a narrative of actions to date. If remedial eff	nediation immediately after discovery of a release. If remediation forts have been successfully completed or if the release occurred ase attach all information needed for closure evaluation.
regulations all operators are public health or the environment failed to adequately investigations.	required to report and/or file certain release notific ment. The acceptance of a C-141 report by the OCI ate and remediate contamination that pose a threat	st of my knowledge and understand that pursuant to OCD rules and ations and perform corrective actions for releases which may endanger D does not relieve the operator of liability should their operations have to groundwater, surface water, human health or the environment. In sponsibility for compliance with any other federal, state, or local laws
Printed Name: <u>Kelton Be</u>	eaird T	Fitle: Environmental Manager
Signature:	I	Date:
email: kbeaird@btaoil.co	<u>om</u> T	elephone: 432-321-2203
OCD Only		
	,	
keceived by:	1	Date:

Incident ID nOY1814228433

District RP 1RP-5067

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>&gt;100</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 <b>not</b> 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 vercontamination 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.	
<ul> <li>         ∑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data</li> <li>         ∑ Data table of soil contaminant concentration data     </li> </ul>	ls.

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

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

Depth to water determination

Photographs including date and GIS information

Laboratory data including chain of custody

Boring or excavation logs

Topographic/Aerial maps

Form C-141 Page 2

# State of New Mexico Oil Conservation Division

Incident ID	nOY1814228433	
District RP	1RP-5067	
Facility ID		
Application ID		

Was this a major	If YES, for what reason(s) does the response	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Release greater than 25.0 bbls	
⊠ Yes □ No	9	
		hom? When and by what means (phone, email, etc)? via Yu (NMOCD) and Shelly Tucker (BLM on May 17, 2018
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury
☐ The source of the release	ase has been stopped.	
☐ The impacted area has	s been secured to protect human health and	the environment.
Released materials have	ve been contained via the use of berms or d	likes, absorbent pads, or other containment devices.
All free liquids and red	coverable materials have been removed and	d managed appropriately.
	l above have <u>not</u> been undertaken, explain	why:
N/A		
Per 19.15.29.8 B. (4) NM.	AC the responsible party may commence a	emediation immediately after discovery of a release. If remediation
has begun, please attach a	a narrative of actions to date. If remedial	efforts have been successfully completed or if the release occurred
		please 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
public health or the environm	nent. The acceptance of a C-141 report by the C	OCD does not relieve the operator of liability should their operations have
addition, OCD acceptance of		eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name: Kelton Be	aird	Title: Environmental Manager
Signature:		Date: 6-9-23
email: kbeaird@btaoil.co	om.	Telephone: 432-321-2203
		152 521 2205
OCD Only		
Received by:	elyn Harimon	Date:06/09/2023

Form C-141 Page 4

# State of New Mexico Oil Conservation Division

Incident ID	nOY1814228433
District RP	1RP-5067
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  Signature:  email: kbeaird@btaoil.com	Title: Environmental Manager  Date: 4-9-23  Telephone: 432-312-2203						
OCD Only  Received by: Jocelyn Harimon	Date: 06/09/2023						

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 225770

# **CONDITIONS**

Operator:	OGRID:		
BTA OIL PRODUCERS, LLC	260297		
104 S Pecos	Action Number:		
Midland, TX 79701	225770		
	Action Type:		
	[C-141] Release Corrective Action (C-141)		

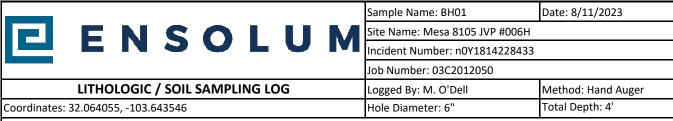
### CONDITIONS

Created By	Condition	Condition Date
jharimon	Workplan/Remediation Plan is approved with the following conditions: Please make sure the floor confirmation samples are delineated/excavated to meet closure criteria standards for proven depth to water determination. Sidewall samples should be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. This application does not include the C-141 Remediation Pages. A Remediation Plan/ Closure report should be submitted no later than 10/05/2023.	7/7/2023



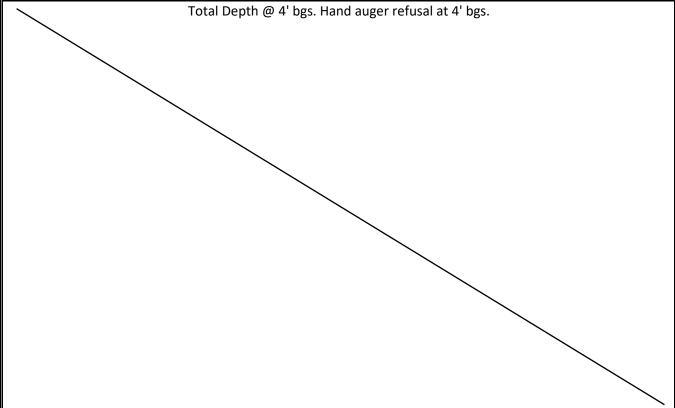
**APPENDIX B** 

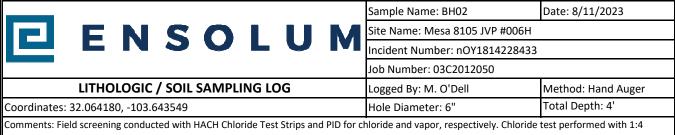
Lithologic Soil Sampling Logs



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. All chloride measurements done with a + 40% correction factor.

Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
				1			
				-	-		
1,389	0.0	N		_	_ 1	SP	Sandwith Caliche. Reddish brown, very fine , to fine grained, poorly graded, dry.
1 102	0.0	N.		-	-	CD	Cond Daddish branca complian
1,193	0.0	IN		-	- 2	25	Sand. Reddish brown, very fine to fine grained, poorly graded, dry.
1 102	0.0	N		-	2		
1,193	0.0	14		_	,		
1,464	0.0	N	BH03	4	4		
	1,389 1,193 1,193	1,389 0.0 1,193 0.0 1,193 0.0	1,389 0.0 N 1,193 0.0 N 1,193 0.0 N	1,389 0.0 N 1,193 0.0 N 1,193 0.0 N	1,389 0.0 N  1,193 0.0 N  1,193 0.0 N	1,389 0.0 N	1,389 0.0 N

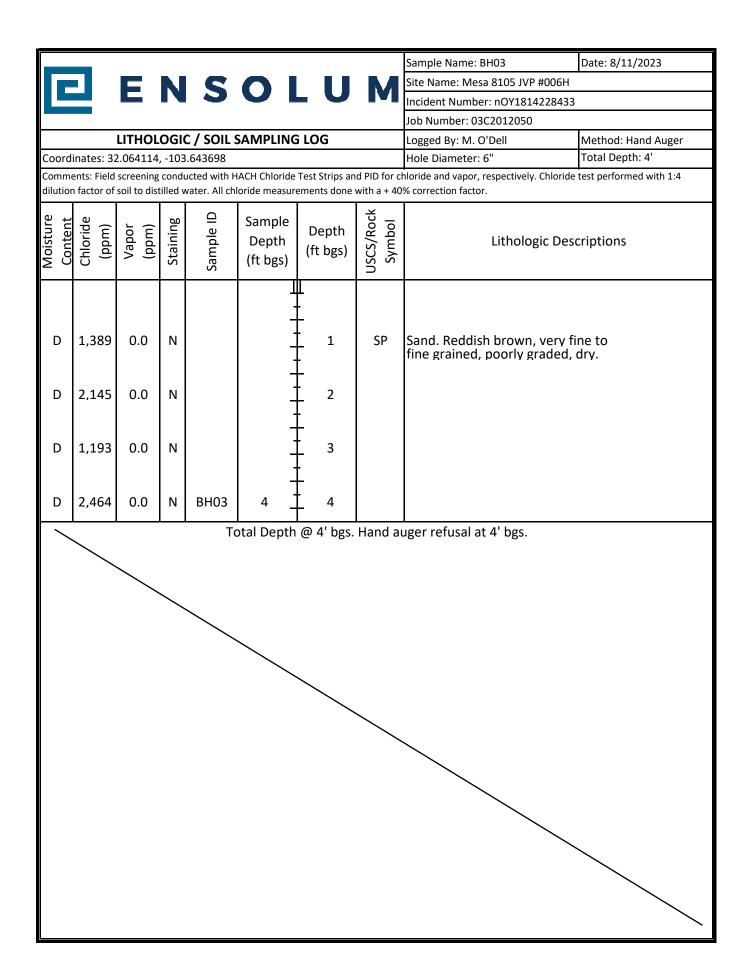


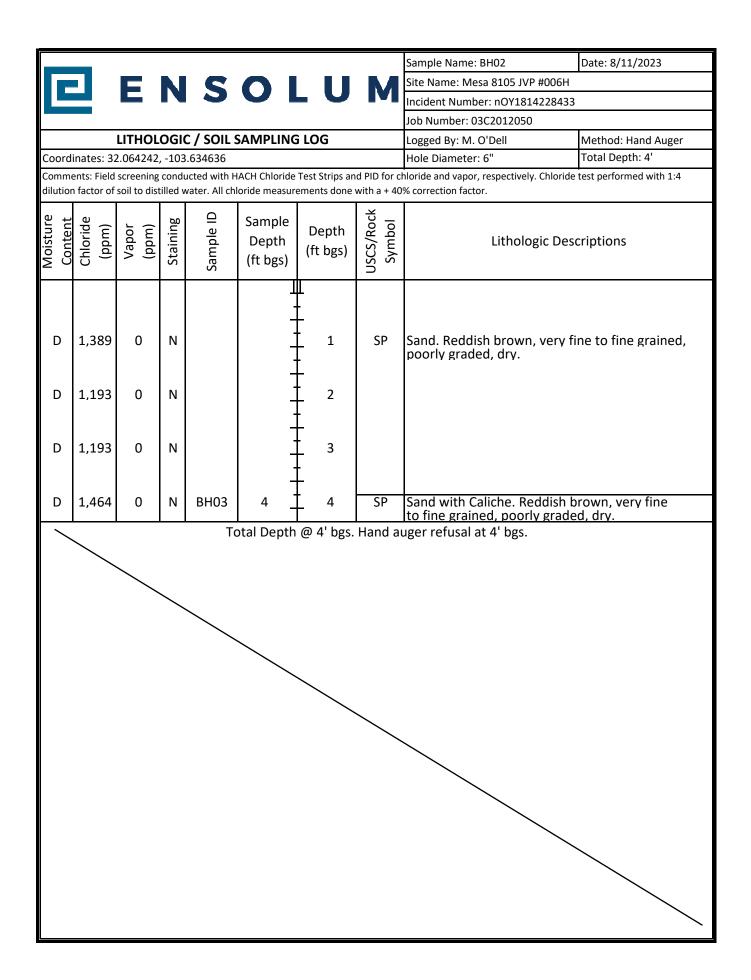


dilution factor of soil to distilled water. All chloride measurements done with a + 40% correction factor.

Moisture	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
					1	<u>L</u>		
D	1,389	0.0	N		- - -	_ _ 1	SP	Sandwith Caliche. Reddish brown, very fine , to fine grained, poorly graded, dry.
D	1,193	0.0	N		- - -	- - 2	SP	Sand. Reddish brown, very fine to fine grained, poorly graded, dry.
D	1,193	0.0	N		- - -	- _ 3		
D	1,464	0.0	Z	BH03	4 _	- - 4		

Total Depth @ 4' bgs. Hand auger refusal at 4' bgs.







**APPENDIX C** 

Photographic Log



# Photographic Log

BTA Oil Producers, LLC Mesa 8105 JV-P #006 Incident Number nOY1814228433



Photograph 1

Date: August 11, 2023

Description: Hand auger delineation activities at the location of BH02, facing southwest.



Photograph 2

Date: August 11, 2023

Description: Hand auger delineation activities at the location of BH03, facing northeast.



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

August 17, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MESA 8105 JVP #006H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/23 11:04.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 08/14/2023 Reported: 08/17/2023

MESA 8105 JVP #006H

Project Name: MESA 8105 J Project Number: 03C2012050

Project Location: BTA ( 32.063978-103.643604 )

Sampling Date: 08/11/2023

Sampling Type: Soil

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

### Sample ID: SS 01 0.5' (H234365-01)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/15/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	48.0	16.0	08/15/2023	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	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

A ..... I ..... . J D. ... 711

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results 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:
 08/14/2023
 Sampling Date:
 08/11/2023

 Reported:
 08/17/2023
 Sampling Type:
 Soil

Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact
Project Number: 03C2012050 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: BTA ( 32.063978-103.643604 )

ma/ka

### Sample ID: SS 02 0.5' (H234365-02)

RTFY 8021R

31EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/15/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	256	16.0	08/15/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.8	200	1.72	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	164	82.2	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results 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: 08/14/2023 Sampling Date: 08/11/2023
Reported: 08/17/2023 Sampling Type: Soil

Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact
Project Number: 03C2012050 Sample Received By: Tamara Oldaker

Project Location: BTA ( 32.063978-103.643604 )

### Sample ID: SS 03 0.5' (H234365-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/15/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/15/2023	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	08/15/2023	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	08/15/2023	ND	166	82.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 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 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.

Celey D. Keene



### Analytical Results For:

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

Received: 08/14/2023 Sampling Date: 08/11/2023

Reported: 08/17/2023 Sampling Type: Soil
Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact

Project Number: 03C2012050 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: BTA ( 32.063978-103.643604 )

mg/kg

### Sample ID: SS 04 0.5' (H234365-04)

BTEX 8021B

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/15/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.5	% 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	96.0	16.0	08/15/2023	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	08/15/2023	ND	166	82.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	76.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.9	% 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 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.

Celey D. Keene



### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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 is 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



August 17, 2023

HADLIE GREEN
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: MESA 8105 JVP #006H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/23 11:04.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 08/14/2023 Reported: 08/17/2023

Project Name: MESA 8105 JVP #006H

Project Number: 03C2012050

Project Location: BTA ( 32.063978-103.643604 )

Sampling Date: 08/11/2023

Sampling Type: Soil

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

### Sample ID: BH 04 1' (H234366-01)

DTEV 0021D

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/15/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 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	48.0	16.0	08/15/2023	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	08/15/2023	ND	166	82.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.1	% 49.1-14	8						

Applyand By 14

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results 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: 08/14/2023 Sampling Date: 08/11/2023

Reported: 08/17/2023 Sampling Type: Soil Project Name: MESA 8105 JVP #006H Sampling Condition: Coo

Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact
Project Number: 03C2012050 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: BTA ( 32.063978-103.643604 )

### Sample ID: BH 04A 4' (H234366-02)

RTFY 8021R

31EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/15/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/15/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/15/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/15/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/15/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.4	% 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 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.

Celey D. Keene



### Analytical Results For:

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

Received: 08/14/2023 Sampling Date: 08/11/2023

Reported: 08/17/2023 Sampling Type: Soil

Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C2012050 Tamara Oldaker

Project Location: BTA ( 32.063978-103.643604 )

### Sample ID: BH 02 1' (H234366-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/16/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/16/2023	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	80.0	16.0	08/15/2023	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	08/15/2023	ND	166	82.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 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. Keine



### Analytical Results For:

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

Received: 08/14/2023 Sampling Date: 08/11/2023 Reported: 08/17/2023 Sampling Type: Soil

Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C2012050

Project Location: BTA ( 32.063978-103.643604 )

### Sample ID: BH 02A 3' (H234366-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/16/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 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	288	16.0	08/15/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.7	% 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. Keine



### Analytical Results For:

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

Received: 08/14/2023 Sampling Date: 08/11/2023

Reported: 08/17/2023 Sampling Type: Soil Project Name: MESA 8105 JVP #006H Sampling Condition: Coo

Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact
Project Number: 03C2012050 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: BTA ( 32.063978-103.643604 )

ma/ka

### Sample ID: BH 02B 4' (H234366-05)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150	0.050 0.050 0.050	Analyzed 08/16/2023 08/16/2023 08/16/2023	Method Blank ND ND	BS 2.07 2.10	% Recovery 103 105	True Value QC 2.00	RPD 3.26	Qualifier
<0.050 <0.050 <0.150	0.050 0.050	08/16/2023					3.26	
<0.050 <0.150	0.050		ND	2.10	105	2.00		
<0.150		08/16/2023			103	2.00	2.73	
	0.150		ND	2.07	104	2.00	3.09	
0.200	0.130	08/16/2023	ND	6.44	107	6.00	2.46	
<0.300	0.300	08/16/2023	ND					
97.4	% 71.5-13	4						
mg/kg		Analyzed By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
176	16.0	08/15/2023	ND	416	104	400	0.00	
mg,	/kg	Analyzed By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	08/15/2023	ND	166	82.9	200	2.25	
<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
<10.0	10.0	08/15/2023	ND					
92.9	% 48.2-13	4						
94.1	% 49.1-14	8						
	<0.300  97.4  mg/ Result  176  mg/ Result  <10.0  <10.0  92.9	<0.300 97.4 % 71.5-13 mg/ky Result Reporting Limit 176 16.0 mg/ky Result Reporting Limit <10.0 <10.0 <10.0 <10.0 <10.0  48.2-13	<0.300       0.300       08/16/2023         97.4 % 71.5-134         mg/ky       Analyzed         Result Result Reporting Limit Analyzed         Result Result Reporting Limit Analyzed       Analyzed         <10.0 10.0 08/15/2023	<0.300       0.300       08/16/2023       ND         97.4 % 71.5-134         mg/kg       Analyzed By: AC         Result Reporting Limit 16.0       08/15/2023       ND         Method Blank         Result Reporting Limit Analyzed Method Blank         <10.0	<0.300       0.300       08/16/2023       ND         97.4 % 71.5-134         mg/kg       Analyzed By: AC         Result Reporting Limit 16.0 08/15/2023 ND 416         mg/kg       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS         <10.0 10.0 08/15/2023 ND 166	<0.300       0.300       08/16/2023       ND         97.4 % 71.5-134         mg/kg       Analyzed By: AC         Result Reporting Limit 16.0       08/15/2023       ND       416       104         mg/kg       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS % Recovery         <10.0	<0.300       0.300       08/16/2023       ND         97.4 % 71.5-134         mg/kg       Analyzed By: AC         Result Reporting Limit Analyzed Method Blank BS       % Recovery % Recovery       True Value QC         176       16.0       08/15/2023       ND       416       104       400         mg/kg       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS       % Recovery % Recovery       True Value QC         <10.0	< 0.300       08/16/2023       ND         97.4 % 71.5-134         mg/kg       Analyzed By: AC         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 176       16.0 08/15/2023 ND 416 104 400 0.00         mg/kg       Analyzed By: MS         Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 10.0 10.0 08/15/2023 ND 166 82.9 200 2.25 10.0 10.0 08/15/2023 ND 152 76.1 200 1.59 159 150 150 150 150 150 150 150 150 150 150

### Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine



### Analytical Results For:

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

 Received:
 08/14/2023
 Sampling Date:
 08/11/2023

 Reported:
 08/17/2023
 Sampling Type:
 Soil

Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact
Project Number: 03C2012050 Sample Received By: Tamara Oldaker

Project Location: BTA ( 32.063978-103.643604 )

### Sample ID: BH 03 1' (H234366-06)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/16/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	48.0	16.0	08/15/2023	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	08/15/2023	ND	166	82.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 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 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.

Celeg & Frence



### Analytical Results For:

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

Received: 08/14/2023 Sampling Date: 08/11/2023

Reported: 08/17/2023 Sampling Type: Soil

Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact
Project Number: 03C2012050 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: BTA ( 32.063978-103.643604 )

### Sample ID: BH 03A 4' (H234366-07)

RTFY 8021R

BIEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/16/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	48.0	16.0	08/15/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Kreene



### Analytical Results For:

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

Received: 08/14/2023 Sampling Date: 08/11/2023

Reported: 08/17/2023 Sampling Type: Soil
Project Name: MESA 8105 JVP #006H Sampling Condition: Cool & Intact

Project Number: 03C2012050 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: BTA ( 32.063978-103.643604 )

mg/kg

### Sample ID: BH 01 1' (H234366-08)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.26	
Toluene*	<0.050	0.050	08/16/2023	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	2.07	104	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	6.44	107	6.00	2.46	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/15/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2023	ND	166	82.9	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2023	ND	152	76.1	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	08/15/2023	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results 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



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below  $6^{\circ}\text{C}$ 

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

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene

Company Name	Company Name: Ensolum, LLC			07 TINE			DECHECT	
Project Manager:	"Hadlie Green			P.O. #		- Olo I	VERGESI	1
Address: () (	1 N Marien	enfield	00H # 19	Company: RTA	=			-
city: Midla	and Tx mo	State: TX	Zip: 79707	J :	Realin			
Phone #: 43%	432-557-8895	Fax #:		2	- L			
Project #: 03(	0302012050	Project Owner:	7	71				
Project Name:	Mesa 8105	.IVP #00	H000	X Zin: ]	1000			
Project Location: 32	132.063 01P	-103	-1043 WO4	*				
Sampler Name:	Mariaha o	6 1		Fax #:				
FOR LAB USE ONLY			MATRIX	SERV.	SAMPLING			Ortocca:
			RS TER		ridu			THE STREET, SALES
Lab I.D.	Sample I.D.	(feet)	AB OR (C NTAINER JNDWAT FEWATE	BASE:	DION DH TEX			Hodensken.
H23436			# CON	OTHE CE/C OTHE	TI			
5	PHOH HOH	1'	1 ×	X 9	0			L
24	PHOTO	H	(C) 1 X	×	0.50			
0	2000	7 1	××	×	20:15			
1	RHO/R		\ \ \	<>	C2.01			
6	BH03	ب	Z Z Z		11.17			
7	BH03A	エ	(C)	X	11:25			
8	DH01	+-	0 1 ×	X	はまーー		1	
PLEASE NOTE: Liability and smalyses. All claims including service. In no event shalf Cauca	Damages, Cardinal's Sability and olic Scote for negligence and any other o	nt's exclusive remedy for any suse viralsosver shall be de	PLEASE WOTE: Liability and Damagne. Cardina's fability and client's exclusive namedy for any claim arising whether based in contract or for, chall be fanilled to the emount paul by the cleen for the sampless. All claims including through on negligibuse and any other cause visitatement shall be desired variety unless made in writing and received by Cardinal within 30 days after completion of the applicable.	tort shall be limited to the amount par solved by Cardinal within 30 days afte	d by the client for the completion of the applicable			L
Relinquished By:	in quished By:	of services hareander by Cardinal regarders.	stillules or successors unbing out of or related to the performance of services hardwader by Central regarded or of whiteher such delate is based upon any of the above stated regarded or by Central regarded or of whiteher such delate is based upon any of the above stated reasons of otherwise.  Refreshed By:  Refreshed By:	un, cularious exemplians, loss of title, of bas of profile inclined by o less of whether such delin is based upon any of the above stated re- ant. Pay:	Sent, Ba subukSaries, asons or otherwise.			
Mile	Mell	51 121 23 Time: 10 //s	o Samoro	A STATE OF THE PARTY OF THE PAR	All Results are emailed. Please provide Email address:	provide Email address:	address: modell@ensolum.com	
Nemiquisited by:		Date:	Received By:		REMARKS:   ncident # : nov1814228433	: nov181422	8433	
Delivered By: (Circle One)		Observed Temp. °C	CO Sample Condition	9	Turnaround Time: Stands	1	Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other		Corrected Temp. °C	Wes Yves	Landing	Thermometer ID #49- #/4	#/4   Cool Infact	Observed Temp. °C	

۶



September 05, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MESA 8105 JV P #006H

Enclosed are the results of analyses for samples received by the laboratory on 08/29/23 13:00.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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. Keene

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, LLC HADLIE GREEN 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/29/2023 Reported: 09/05/2023

Project Name: MESA 8105 JV P #006H

Project Number: 03C2012050

Project Location: 32.063978,-103.643604

Sampling Date: 08/25/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: BH 01 A 4' (H234684-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2023	ND	1.76	87.9	2.00	0.722	
Toluene*	<0.050	0.050	08/30/2023	ND	1.78	89.2	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/30/2023	ND	1.84	91.9	2.00	1.19	
Total Xylenes*	<0.150	0.150	08/30/2023	ND	5.40	90.0	6.00	2.13	
Total BTEX	<0.300	0.300	08/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/30/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/30/2023	ND	223	112	200	2.90	
DRO >C10-C28*	<10.0	10.0	08/30/2023	ND	222	111	200	0.250	
EXT DRO >C28-C36	<10.0	10.0	08/30/2023	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 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 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.

Celey D. Keene



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# 101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Nam	Company Name: Ensolum, LLC			BILL TO		ANALYSIS REC	RECHEST
Project Manage	Project Manager: Hadlie Green			P.O. #:		- 1	- COLO
Address: 601 N	Address: 601 N Marienfeld Street, Suite 400	t, Suite 400		Company: BTA Oil			
City: Midland		State: TX	Zip: 79701	Attn: Kelton Beaird			
Phone #: 432-557-8895	57-8895	Fax #:		Address: 104 S Pecos St	St		
Project #: 03C2012050	012050	Project Owner:	ner:	City: Midland			
Project Name:	Project Name: Mesa 8105 JV P #006H	1000		State: TX Zip: 79701	3		
Project Locatio	Project Location: 32.063978,-103.643604	.643604		432			
Sampler Name:	Sampler Name: Peter Van Patten			Fax#:			
FOR LAB USE ONLY			MATRIX	ESERV.	SAMPLING		
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	OTHER: ACID/BASE: CE/COOL OTHER:	TPH BTEX Chlorides		
	THO! A	7	- # 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	× ×		
		1	(108)				
PLEASE NOTE: Liability and Damages, analyses. All claims including those for r service. In no event shall Cardinal be liab affiliates or successors arising out of or re	ily and Damages. Cardinal's liability cluding those for negligence and any all Cardinal be liable for incidental or arising out of or related to the perfor	and client's exclusive remedy for an y other cause whatsoever shall be or ir consequental damages, including irmance of services hereunder by Co	y claim arising whether based berned waived unless made is without limitation, business interesting	in contract or tort, shall be limited to the amount paid by the client for writing and received by Cardinal within 30 days after completion of the erruptions, loss of use, or loss of profits incurred by client, its subsidial such daim is hased innon any of this about all of clients.	unt paid by the client for the sys after completion of the applicable red by client, its subsidiaries,		
Relinquished By	刺	M H	Received By:	reigns ex	sult: ☐ Yes are emailed.	BANO   Add'I Phone #: Please provide Email address:	
Kelinguished By:		Date:	Received By:		REMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	rcle One) 3us - Other:	Observed Temp. °C	Co3 Sample Condition Cool Intact    Cool Intact   Pres   Pres   No   No   No   No   No   No   No   N	ion CHECKED BY: (Initials)	Turnaround Time: Standard Rush Thermometer ID ##13 Correction Feeting ASC	Bacteria (only) S Cool Intact Yes No No	Bacteria (only) Sample Condition Cool Infact Observed Temp. °C
FURM-DUD	4 3.2 TOTOTICT		D NO LI NO	0	ш	I No No	Corrected Temp, °C



APPENDIX E

**NMOCD Notifications** 

From: Kelton Beaird

To: <u>Tacoma Morrissey</u>; <u>Hadlie Green</u>

Subject: FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 225770

**Date:** Monday, July 10, 2023 8:53:45 AM

### [ \*\*EXTERNAL EMAIL\*\*]

# Kelton Beaird Environmental Manager BTA Oil Producers

104 S. Pecos Midland, TX 79701 432-312-2203

From: Nathan Sirgo <nsirgo@btaoil.com>

**Sent:** Friday, July 7, 2023 5:33 PM

To: Kelton Beaird < KBeaird@btaoil.com>

**Subject:** Fwd: The Oil Conservation Division (OCD) has approved the application, Application ID:

225770

### **Nathan Sirgo**

BTA Oil Producers (432) 682-3753

Begin forwarded message:

From: OCDOnline@state.nm.us

Date: July 7, 2023 at 5:15:30 PM CDT

To: Nathan Sirgo <a href="mailto:nsirgo@btaoil.com">nsirgo@btaoil.com</a>

Subject: The Oil Conservation Division (OCD) has approved the application,

**Application ID: 225770** 

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

To whom it may concern (c/o BTA ENV for BTA OIL PRODUCERS, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nOY1814228433,

with the following conditions:

Workplan/Remediation Plan is approved with the following conditions:
 Please make sure the floor confirmation samples are delineated/excavated to
 meet closure criteria standards for proven depth to water determination.
 Sidewall samples should be delineated to 600 mg/kg for chlorides and 100
 mg/kg for TPH to define the edge of the release. This application does not
 include the C-141 Remediation Pages. A Remediation Plan/ Closure report
 should be submitted no later than 10/05/2023.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jocelyn Harimon
Environmental Specialist
575-748-1283
Jocelyn.Harimon@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe. NM 87505 From: Wells, Shelly, EMNRD
To: Hadlie Green

Cc: Bratcher, Michael, EMNRD; Maxwell, Ashley, EMNRD; Hamlet, Robert, EMNRD; Hall, Brittany, EMNRD; Harimon,

Jocelyn, EMNRD

Subject: RE: [EXTERNAL] BTA - Sampling Notification - Week of 08/07/2023

Date: Thursday, August 3, 2023 2:47:10 PM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png

### [ \*\*EXTERNAL EMAIL\*\*]

Hi Hadlie,

Notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion 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 <a href="mailto:hgreen@ensolum.com">hgreen@ensolum.com</a>>
Sent: Thursday, August 3, 2023 1:36 PM

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

Cc: Kelton Beaird < KBeaird@btaoil.com>

Subject: [EXTERNAL] BTA - Sampling Notification - Week of 08/07/2023

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

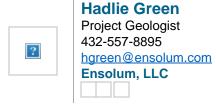
All,

BTA anticipates collecting confirmation samples at the following locations the week of August 7, 2023.

- Mesa B #2 SWD / NOY1826826475
  - Sampling Date: 8/7-8/2023 @ 9:00 AM MST

- Mesa #2H Tank Battery / NRM2026945362
  - Sampling Date: 8/8/2023 @ 9:00 AM MST
- Vaca Draw 9418 JV-P 001 / nCH1835540209
  - Sampling Date: 8/10-11/2023 @ 9:00 AM MST
- Gem 4, 5, 7, 10 Battery, 8705 JV-P / NCH1903263128
  - Sampling Date: 8/10-11/2023 @ 9:00 AM MST
- Mesa 8105 JVP #006H / nOY1814228433
  - Sampling Date: 8/11/2023 @ 9:00 AM MST

Thank you,





**APPENDIX F** 

Final C-141

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

Form C-141 Revised April 3, 2017 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

			Rele	ease Notific	ation	and Co	rrective A	ction		
						OPERA'	ГOR	x Initi	al Report	Final Report
		TA OIL PROD					AYLA MCCONNE			
		PECOS, MIDL	AND TX,	79701			No. 432-682-3753			
Facility Nar	ne MESA	8105 JV-P #6			- 11	racility Typ	e PRODUCED W	ATER PIPELINE		
Surface Ow	ner FEDE	RAL		Mineral O	wner	FEDERAL		API No	30-025-428	344
						OF RE				
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West Line	County	
В		26S	32E	330	NO	ORTH	2198	EAST	LEA	
			Latitud	le 32,063978	Lo	ngitude	-103.643604	NAD83		
				NAT	URE	OF REL	EASE			
		UCED WATER	3			Volume of			Recovered	50 BBL
Source of Re Was Immedia							Iour of Occurrence Whom? Olivia Ye		Hour of Disc	covery 5/17/18 6 AM
was militedia	ate Notice C		Yes	No Not Re	quired	11 123, 10		icker - BLM		
By Whom?							lour 5/17/18 9:45			
Was a Water	course Reac	hed?	Yes X	] No		If YES, Vo	lume Impacting th	ne Watercourse.		
If a Watercou	ırse was Im	nacted. Descri	ibe Fully.	k						
		,,				REC	EIVED			
								t 7:51 am	May 22	2019
						БуО	iivia Tu a	t 7:51 am,	IVIAY ZZ	2, 2016
Describe Cause of Problem and Remedial Action Taken.*  Pipeline release carrying produced water was discovered early morning by field foremen. Vacuum truck was called in for cleanup, recovered estimated 50 bbl.						50 bbl				
Pipeline release carrying produced water was discovered early morning by field foremen. Vacuum truck was						III truck was carled i	ii for cleanup, recove	neu estimateu .	50 001.	
Describe Are	a Affected :	and Cleanun A	Action Tak	ren *						
Vacuum truck	was called in	for cleanup, en	vironmenta	ıl group will be onsit	e 5/18/18	8 to evaluated	the area.			
I hereby certi	fy that the i	nformation gi	ven above	is true and compl	ete to th	e best of my	knowledge and un	nderstand that purs	suant to NMC	OCD rules and
regulations al	ll operators	are required to	o report ar	nd/or file certain re ce of a C-141 repor	lease no	otifications at	nd perform correct arked as "Final Re	tive actions for rele	eases which r	nay endanger
should their	perations h	ave failed to a	dequately	investigate and re	mediate	contaminati	on that pose a thre	eat to ground water	, surface wat	er, human health
				tance of a C-141 r	eport do	oes not reliev	e the operator of r	esponsibility for c	ompliance w	ith any other
federal, state,	or local lav	vs and/or regu		6.5			OIL CONS	SERVATION	DIVISIO	N
	Vant	an Me	Con	nell			OIL COIN	observation.	DITIBLO	
Signature:	1	110-					Б	M—		
Printed Name	: Kayla Mo	Connell			1	Approved by	Environmental Sp			
Title: Regula	atory Analyst					Approval Dat	<sub>e:</sub> 5/22/201	8 Expiration	Date:	
E-mail Addre	ess kmccon	nell@btaoil.cor	n			Conditions of	Approval:			_/
		0,					hed directive	(A)	Attached	LV
Date: 5/17/2		ta ICNI		575-393-3117	[					
Attach Addit	nonal Shee	us it Necess	ary		Га	RP-506	7 501/4	04.4000.400	_	
					Ľ	MC-500	r = [nOY1]	814228433		
							lnOV'	121/220061		

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

Responsible Party BTA Oil Producers, LL

Contact Name Kelton Beaird

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	nOY1814228433
District RP	1RP-5067
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

OGRID 5380

Contact Telephone 432-312-2203

Contact emai	l kbeaird	@btaoil.com			Incident #	(assigned by OCD)	: nOY1814228433		
Contact mail	ing address	104 S. Pecos St. I	Midland, TX 797	01					
			Location	of F	Release So	ource			
Latitude 32.0	63978				Longitude -				
			(NAD 83 in de	ecimal de	egrees to 5 decim	nal places)			
Site Name: M	Iesa 8105 JV	V-P #006			Site Type:	Oil & Gas Prod	uction		
Date Release	Discovered:	05/17/2018			API# (if app	licable): 30-025-4	2844		
Unit Letter   Section   Township   Range				Coun	tv	]			
В	11	26S 32E Lea							
g O									
Surface Owner: State Federal Tribal Private (Name:)									
Nature and Volume of Release									
Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)									
Crude Oil		Volume Release	ed (bbls):			Volume Recovered (bbls):			
Produced	Water	Volume Release	ed (bbls): 80			Volume Recovered (bbls): 50			
		Is the concentrat	tion of dissolved >10 000 mg/l?	chlorid	e in the	☐ Yes ☐ No			
Condensa	te	Volume Release				Volume Recovered (bbls)			
Natural G	as	Volume Release	ed (Mcf)			Volume Reco	vered (Mcf)		
Other (de	scribe)	Volume/Weight	Released (provide	de units	s)	Volume/Weig	ght Recovered (provide units)		
		luced water pipelinered an estimated 5		scovere	ed early morni	ing by the field	foreman. A vacuum truck was called		
in for creating	, and receive	rea an estimatea s	. 0 0015.						

Received by OCD: 10/3/2023 2:20:08 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

		Page	66	of 7	0
and ID	nOV181/1228	133			

Incident ID	nOY1814228433
District RP	1RP-5067
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respon	sible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Release greater than 25.0 bbls	
⊠ Yes □ No		
		om? When and by what means (phone, email, etc)? ia Yu (NMOCD) and Shelly Tucker (BLM on May 17, 2018
	Initial Re	esponse
The responsible p	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
The source of the release	ase has been stopped.	
☐ The impacted area ha	s been secured to protect human health and	the environment.
Released materials have	ve been contained via the use of berms or di	kes, absorbent pads, or other containment devices.
All free liquids and red	coverable materials have been removed and	managed appropriately.
If all the actions described N/A	l above have <u>not</u> been undertaken, explain v	vhy:
1 1/11		
has begun, please attach a	a narrative of actions to date. If remedial e	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environment failed to adequately investigations.	required to report and/or file certain release notifient. The acceptance of a C-141 report by the Oate and remediate contamination that pose a threa	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD 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: <u>Kelton Be</u>	eaird	Title: Environmental Manager
Signature:		Date:
email: kbeaird@btaoil.co	<u>DIM</u>	Telephone: 432-321-2203
OCD Only		
Received by:		Date:

nOY1814228433

Incident ID District RP 1RP-5067 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?	>>100 (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 <b>not</b> 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 ve contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	ertical extents of soil
<u>Characterization Report Checklist</u> : Each of the following items must be included in the report.	
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring we</li> <li>Field data</li> <li>Data table of soil contaminant concentration data</li> <li>Depth to water determination</li> <li>Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li>Boring or excavation logs</li> <li>Photographs including date and GIS information</li> <li>Topographic/Aerial maps</li> </ul>	lls.

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.

☐ Laboratory data including chain of custody

Received by OCD: 10/3/2023 2:20:08 PM Form C-141 State of New Mexico Oil Conservation Division Page 4

Page 68 of 70

Incident ID	nOY1814228433
District RP	1RP-5067
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: 10-3-23 Signature: Telephone: \_\_\_\_432-312-2203\_\_ email: \_ kbeaird@btaoil.com **OCD Only** Received by: Date: \_\_\_\_\_

Page 69 of 70

Incident ID	nOY1814228433
District RP	1RP-5067
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	1 NMAC	
Note: 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		
may endanger public health or the environment. The acceptance of a	ediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ions. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in	
OCD Only		
Received by:	Date:	
remediate contamination that poses a threat to groundwater, surface w party of compliance with any other federal, state, or local laws and/o	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: Julian Hall	Date: 10/4/2023	
Printed Name: Brittany Hall	Title: Environmental Specialist	

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 271947

### **CONDITIONS**

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	271947
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By		Condition Date
bhall	None	10/4/2023