



March 21, 2024

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 Gas Line, Mesa 1-12 Transfer Line
Incident Number nAPP2403133055
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 assessment, delineation, and soil sampling activities performed at the Mesa Gas Line, Mesa 1-12 Transfer Line (Site). The purpose of the Site assessment, delineation, and soil sampling activities was to assess for the presence or absence of impacts to soil resulting from a fire and produced water release at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, BTA is submitting this *Closure Request*, describing Site assessment and delineation activities that have occurred and requesting closure for Incident Number NAPP2403133055.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit F, Section 1, Township 26 South, Range 32 East, in Lea County, New Mexico (32.0729559°, -103.631379°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On January 31, 2024, a poly surface gas line caught fire due to static electricity, and as a result, the poly water transfer line next to the gas line was compromised leading to the release of an unknown volume of produced water. The line was isolated, and the fire was extinguished upon discovery. BTA reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on February 12, 2024. The release was assigned Incident Number NAPP2403133055.

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 are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is reasonably estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-4549 POD1, located approximately 0.4 miles northwest of the Site. The groundwater well was drilled during July 2021 to a total depth of 103 feet bgs, and no groundwater was encountered. All wells used for depth to

BTA Oil Producers, LLC
Closure Request
Mesa Gas Transfer Line, Mesa 1-12 Transfer Line

groundwater determination are presented on Figure 1. The associated well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 706 feet east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation.

SITE ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On February 6, 2024, Ensolum personnel conducted Site assessment activities to evaluate the release extent based on information provided on the Form C-141 and visual observations. Eleven assessment soil samples (SS01 through SS11) were collected within and around the release area, at a depth of approximately 0.5 feet bgs, to assess for the presence or absence of impacted soil resulting from the fire and produced water release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. 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 B.

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

Laboratory analytical results for assessment soil samples SS01 and SS05, collected within the release area, indicated all COC concentrations were compliant with the reclamation requirement. Laboratory analytical results for assessment samples SS06 through SS11, collected around the release area, were compliant with the most stringent Table I Closure Criteria and thus successfully defined the lateral extent of the release. Vertical delineation activities were warranted to further confirm the absence of impacted soil within the release area.

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DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On February 26, 2024, Ensolum personnel returned to the Site to complete vertical delineation activities to confirm the absence of impacted soil within the release area. Boreholes were advanced via hand auger at the location of assessment samples SS01, SS02, and SS03. The boreholes were advanced to a depth of 1-foot bgs. Soil from the boreholes was field screened for VOCs and chloride. Based on field screening results, discrete delineation soil samples SS01A, SS02A, and SS03A were collected from the boreholes at a depth of 1-foot bgs. The delineation soil samples were collected, handled, and analyzed following the same procedures previously described. The delineation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

Laboratory analytical results for delineation soil samples SS01A, SS02A, and SS03A indicated all COC concentrations were compliant with the reclamation requirements and provided vertical delineation to below the most stringent Table I Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete analytical reports are included as Appendix C.


CLOSURE REQUEST

Site assessment activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the January 2024, fire and produced water release. Laboratory analytical results for the assessment soil samples indicated all COC concentrations were compliant with the Site Closure Criteria and provided lateral and vertical delineation to the most stringent Table I Closure Criteria. Based on the laboratory analytical results, no impacted soil was identified, and no further remediation is required.

All released fluids were documented to have been consumed by the fire. Depth to groundwater was determined to be greater than 100 feet bgs within 0.5 miles of the Site and no other sensitive receptors were identified near the release extent. BTA believes the remedial actions completed are protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Number NAPP2403133055.

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

Sincerely,
Ensolum, LLC



Hadlie Green
Project Geologist



Daniel R. Moir, PG
Senior Managing Geologist

cc: Kelton Beaird, BTA
Ray Ramos, BTA
Bureau of Land Management

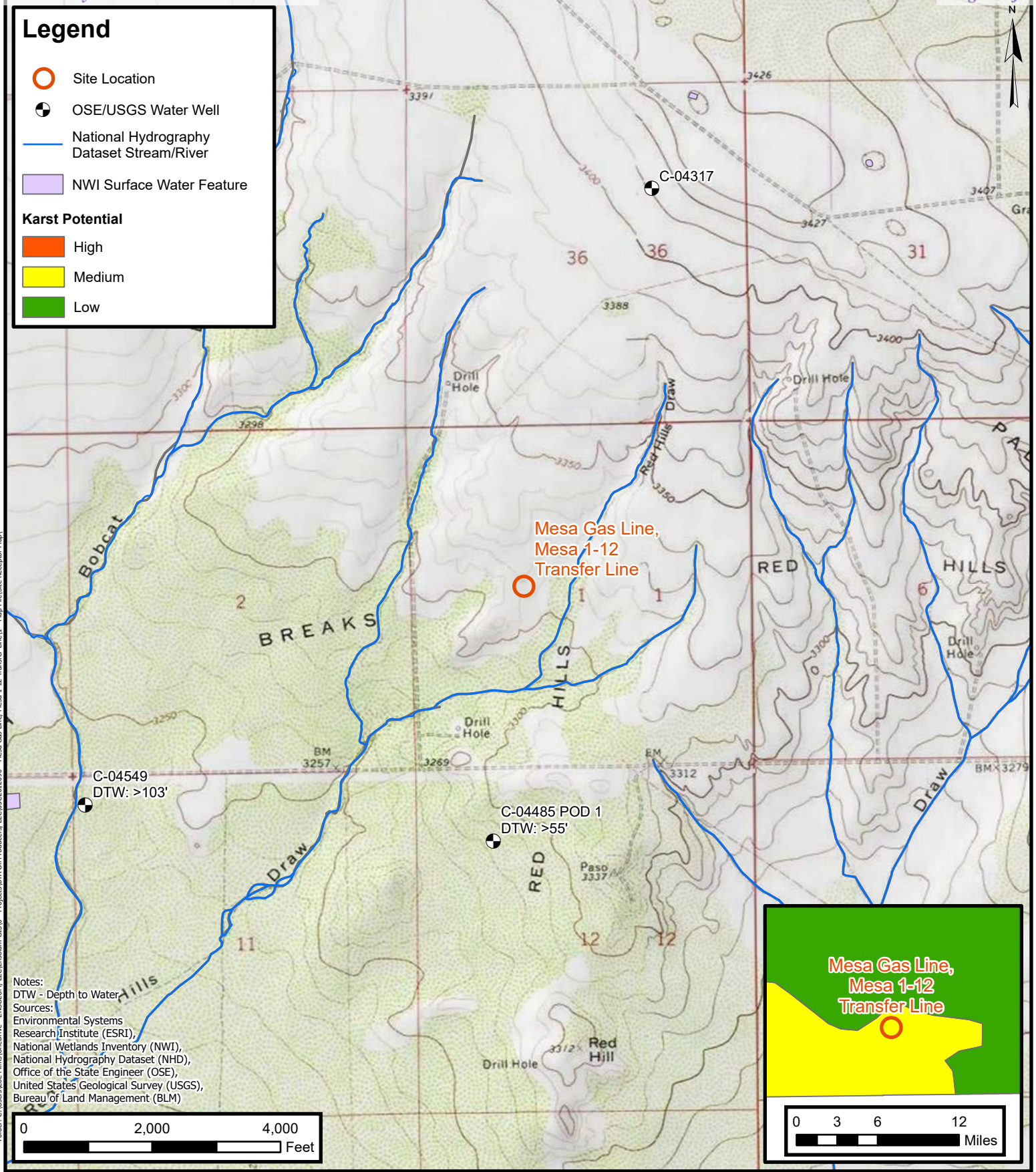
BTA Oil Producers, LLC
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Appendices:

Figure 1	Site Receptor Map
Figure 2	Assessment Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES



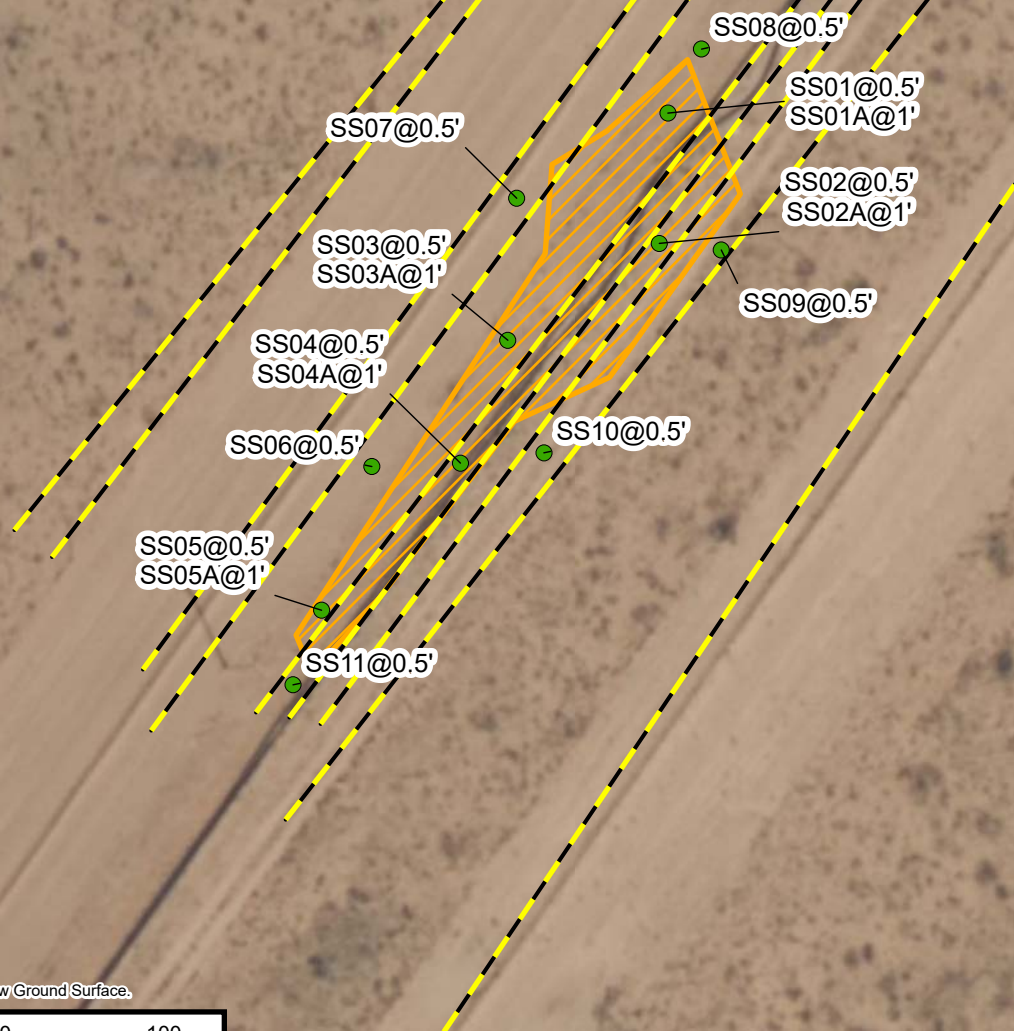
ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

Site Receptor Map
BTA Oil Producers, LLC
Mesa Gas Line, Mesa 1-12 Transfer Line
Incident Number: nAPP2403133055
Unit F, Sec 1, T26S, R32E
Lea County, New Mexico

FIGURE
1

Legend

- Assessment Soil
- Samples in Compliance with Closure Criteria
- Surface Utilities
- ▨ Release Extent



Notes:
Sample ID @ Depth Below Ground Surface.

0 25 50 100
Feet

Sources: Environmental Systems Research Institute (ESRI)



Assessment Soil Sample Locations

BTA Oil Producers, LLC
Mesa Gas Line, Mesa 1-12 Transfer Line
Incident Number: nAPP2403133055
Unit F, Sec 1, T26S, R32E
Lea County, New Mexico

FIGURE

2



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Mesa Gas Line, Mesa 1-12 Transfer Line
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 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Assessment Soil Samples										
SS01*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS01A*	02/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS02*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SS02A*	02/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS03*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS03A*	02/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS04*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS04A*	02/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS05*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS05A*	02/26/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS06*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS07*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SS08*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS09*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS10*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS11*	02/06/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

* indicates sample was collected in area to be reclaimed after remediation is complete; remediation standard in the top 4 feet is 600 mg/kg for chloride and 100 mg/kg for TPH.



APPENDIX A

Referenced Well Records



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

07/29/2021

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

DSE DTI AUG 2 2021 PM2:50

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4549 Pod1

To whom it may concern:

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above





PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4549-POD1

Well owner: BTA Oil Producers

Phone No.: 432.312.2203

Mailing address: 104 S. Pecos St.

City: Midland

State: Texas

Zip code: 79701

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Shane Eldridge, Cameron Pruitt, Carmelo Trevino
- 4) Date well plugging began: 07/19/2021 Date well plugging concluded: 07/19/2021
- 5) GPS Well Location: Latitude: 32 deg, 4 min, 40.92 sec
Longitude: 103 deg, 37 min, 53.68 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 103 ft below ground level (bgl),
by the following manner: weighted tape
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 6/24/2021
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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

DSE DIT AUG 2 2021 PM 2:50

Final Audit Report

2021-07-29

Created:	2021-07-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAiFUITUMQvUeHWAgcMsacioucKnSt5mzA

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



Document created by Lucas Middleton (lucas@atkinseng.com)

2021-07-29 - 8:42:26 PM GMT- IP address: 69.21.248.123



Document emailed to Jack Atkins (jack@atkinseng.com) for signature

2021-07-29 - 8:42:53 PM GMT



Email viewed by Jack Atkins (jack@atkinseng.com)

2021-07-29 - 8:44:10 PM GMT- IP address: 64.90.153.232



Document e-signed by Jack Atkins (jack@atkinseng.com)

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



Agreement completed.

2021-07-29 - 8:44:29 PM GMT



Adobe Sign



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DIT AUG 2 2021 PM 2:50

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (MW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4549			
	WELL OWNER NAME(S) BTA Oil Producers				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 104 S. Pecos St.				CITY Midland	STATE TX	ZIP 79701	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 4	SECONDS 40.92 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NW NW Sec. 11 T26S R32E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 07/14/2021		DRILLING ENDED 07/14/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 103	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 103		±8.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.) C-04485		OWL 362	WELL TAG ID NO. NA		OSE FILE NO(S). C-04485	
WELL OWNER NAME(S) KJ ENVIRONMENTAL					PHONE (OPTIONAL) 214-287-5875	
WELL OWNER MAILING ADDRESS 500 MOSSELEY ROAD					CITY CROSS ROADS	STATE TX ZIP 76227
WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
	LATITUDE	3548560				
	LONGITUDE	629271		W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						

2. DRILLING & CASING INFORMATION

LICENSE NO. WD 1186		NAME OF LICENSED DRILLER RODNEY HAMMER			NAME OF WELL DRILLING COMPANY ENVIRO-DRILL, INC.		
DRILLING STARTED 10/05/2020	DRILLING ENDED 10/06/2020	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) None (Dry)			
COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)		
DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: HSA							
DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
FROM	TO						
55	45	8"	Screen	FJT	2"	2"	.010
45	0	8"	Blank	11	11	11	

3. ANNULAR MATERIAL

DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
FROM	TO				
55	43	8"	Sand 10/20	10	tremie
43	41	8"	Hole Plug	1	
41	0	8"	Grout	100 gal.	↓

FOR OSE INTERNAL USE

FILE NO. C-0-2599	WR-20 WELL RECORD & LOG (Version 06/30/17)
LOCATION 2-2-4	POD NO. 2N-33E-10
WELL TAG ID NO. 693367	PAGE 1 OF 2

603 AL-PLANEER OFFICE

Released to Imaging: 5/3/2024 8:16:47 AM



APPENDIX B

Photographic Log



Photographic Log

BTA Oil Producers, LLC

Mesa Gas Line, Mesa 1-12 Transfer Line

Incident Number nAPP2403133055



Photograph: 1
Description: Release area
View: Southwest

Date: 2/6/2024



Photograph: 2
Description: Potential point of release
View: West

Date: 2/6/2024



Photograph: 3
Description: Delineation activities
View: Northwest

Date: 2/26/2024



Photograph: 4
Description: Delineation activities
View: Northeast

Date: 2/26/2024



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

February 09, 2024

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MESA GAS LINE, MESA 1-12 TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/06/24 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 01 0.5' (H240554-01)

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	02/06/2024	ND	1.99	99.3	2.00	6.10	
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2024	ND	400	100	400	7.69	

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 57.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 02 0.5' (H240554-02)

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	02/06/2024	ND	1.99	99.3	2.00	6.10	
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/07/2024	ND	400	100	400	7.69	

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 03 0.5' (H240554-03)

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	02/06/2024	ND	1.99	99.3	2.00	6.10	
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2024	ND	400	100	400	7.69	

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 04 0.5' (H240554-04)

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	02/06/2024	ND	1.99	99.3	2.00	6.10		
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2024	ND	400	100	400	7.69		

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 05 0.5' (H240554-05)

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	02/06/2024	ND	1.99	99.3	2.00	6.10		
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/07/2024	ND	400	100	400	7.69		

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 06 0.5' (H240554-06)

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	02/06/2024	ND	1.99	99.3	2.00	6.10		
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/07/2024	ND	400	100	400	7.69		

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 07 0.5' (H240554-07)

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	02/06/2024	ND	1.99	99.3	2.00	6.10		
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08		
Total BTEx	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2024	ND	400	100	400	7.69		

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 08 0.5' (H240554-08)

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	02/06/2024	ND	1.99	99.3	2.00	6.10		
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/07/2024	ND	400	100	400	7.69		

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 09 0.5' (H240554-09)

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	02/06/2024	ND	1.99	99.3	2.00	6.10	
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/07/2024	ND	400	100	400	7.69	

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 10 0.5' (H240554-10)

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	02/06/2024	ND	1.99	99.3	2.00	6.10		
Toluene*	<0.050	0.050	02/06/2024	ND	2.14	107	2.00	2.18		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/07/2024	ND	400	100	400	7.69		

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/06/2024	Sampling Date:	02/06/2024
Reported:	02/09/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012098	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - NM		

Sample ID: SS 11 0.5' (H240554-11)

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	02/06/2024	ND	1.93	96.6	2.00	0.344		
Toluene*	<0.050	0.050	02/06/2024	ND	2.05	102	2.00	0.881		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.03	101	2.00	0.269		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.14	102	6.00	0.0931		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/07/2024	ND	400	100	400	7.69		

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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

February 29, 2024

HADLIE GREEN

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: MESA GAS LINE, MESA 1-12 TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/26/24 14:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012090	Sample Received By:	Dionica Hinojos
Project Location:	BTA		

Sample ID: SS01 1' (H240923-01)

BTX 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	02/28/2024	ND	2.27	113	2.00	2.18	
Toluene*	<0.050	0.050	02/28/2024	ND	2.25	112	2.00	1.79	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.21	111	2.00	1.84	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.67	111	6.00	1.39	
Total BTX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/28/2024	ND	448	112	400	3.64	

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	02/27/2024	ND	188	93.8	200	0.694	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	186	93.2	200	4.38	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012090	Sample Received By:	Dionica Hinojos
Project Location:	BTA		

Sample ID: SS02 1' (H240923-02)

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	02/28/2024	ND	2.27	113	2.00	2.18	
Toluene*	<0.050	0.050	02/28/2024	ND	2.25	112	2.00	1.79	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.21	111	2.00	1.84	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.67	111	6.00	1.39	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/28/2024	ND	448	112	400	3.64	

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	02/27/2024	ND	188	93.8	200	0.694	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	186	93.2	200	4.38	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012090	Sample Received By:	Dionica Hinojos
Project Location:	BTA		

Sample ID: SS03 1' (H240923-03)

BTX 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	02/28/2024	ND	2.27	113	2.00	2.18	
Toluene*	<0.050	0.050	02/28/2024	ND	2.25	112	2.00	1.79	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.21	111	2.00	1.84	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.67	111	6.00	1.39	
Total BTX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/28/2024	ND	448	112	400	3.64	

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	02/27/2024	ND	188	93.8	200	0.694	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	186	93.2	200	4.38	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012090	Sample Received By:	Dionica Hinojos
Project Location:	BTA		

Sample ID: SS04 1' (H240923-04)

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	02/28/2024	ND	2.27	113	2.00	2.18	
Toluene*	<0.050	0.050	02/28/2024	ND	2.25	112	2.00	1.79	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.21	111	2.00	1.84	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.67	111	6.00	1.39	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/28/2024	ND	448	112	400	3.64	

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	02/27/2024	ND	188	93.8	200	0.694	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	186	93.2	200	4.38	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/26/2024	Sampling Date:	02/26/2024
Reported:	02/29/2024	Sampling Type:	Soil
Project Name:	MESA GAS LINE, MESA 1-12 TRANSFER I	Sampling Condition:	Cool & Intact
Project Number:	03C2012090	Sample Received By:	Dionica Hinojos
Project Location:	BTA		

Sample ID: SS05 1' (H240923-05)

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	02/28/2024	ND	2.27	113	2.00	2.18	
Toluene*	<0.050	0.050	02/28/2024	ND	2.25	112	2.00	1.79	
Ethylbenzene*	<0.050	0.050	02/28/2024	ND	2.21	111	2.00	1.84	
Total Xylenes*	<0.150	0.150	02/28/2024	ND	6.67	111	6.00	1.39	
Total BTEX	<0.300	0.300	02/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/28/2024	ND	448	112	400	3.64	

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	02/27/2024	ND	188	93.8	200	0.694	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	186	93.2	200	4.38	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 325921

QUESTIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:
	260297
	Action Number:
	325921
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2403133055
Incident Name	NAPP2403133055 MESA GAS LINE, MESA 1-12 WATER TRANSFER LINE @ 0
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2129922425] Mesa 1-12

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Mesa Gas Line, Mesa 1-12 Water Transfer Line
Date Release Discovered	01/31/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Fire Pipeline (Any) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The poly surface gas line from the Mesa northern batteries caught fire due to static electricity. The poly water transfer line next to the gas line burned, causing the release. The line was isolated and the fire department extinguished the fire.

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District II

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

District III

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

District IV

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

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

QUESTIONS, Page 2

Action 325921

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:	260297
	Action Number:	325921
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: BTA ENSOLUM Title: Environmental Manager Email: kbeaird@btaoil.com Date: 03/22/2024
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District I1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210
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Energy, Minerals and Natural Resources
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QUESTIONS, Page 3

Action 325921

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:	260297
	Action Number:	325921
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	288
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	01/31/2024
On what date will (or did) the final sampling or liner inspection occur	02/26/2024
On what date will (or was) the remediation complete(d)	02/26/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS, Page 4

Action 325921

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 325921
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	no impacts identified at the site

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: BTA ENSOLUM Title: Environmental Manager Email: kbeaird@btaoil.com Date: 03/22/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 325921

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 325921
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 325921

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:
	260297
	Action Number:
	325921
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	316360
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/26/2024
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	5868

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	n/a

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 (in .pdf format) 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.

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

I hereby agree and sign off to the above statement	Name: BTA ENSOLUM Title: Environmental Manager Email: kbeaird@btaoil.com Date: 03/22/2024
--	--

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Santa Fe, NM 87505

QUESTIONS, Page 7

Action 325921

QUESTIONS (continued)

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 325921
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 325921

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 325921
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	5/3/2024