

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.



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

### **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 <a href="mailto:tmorrissey@ensolum.com">tmorrissey@ensolum.com</a> or (337) 257-8307.

Sincerely, Ensolum, LLC

Hadlie Green Project Geologist

cc: Kelton Beaird, BTA Ray Ramos, BTA

**Bureau of Land Management** 

Daniel R. Moir, PG

Senior Managing Geologist

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

### Appendices:

Figure 1 Site Receptor Map

Figure 2 Assessment Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

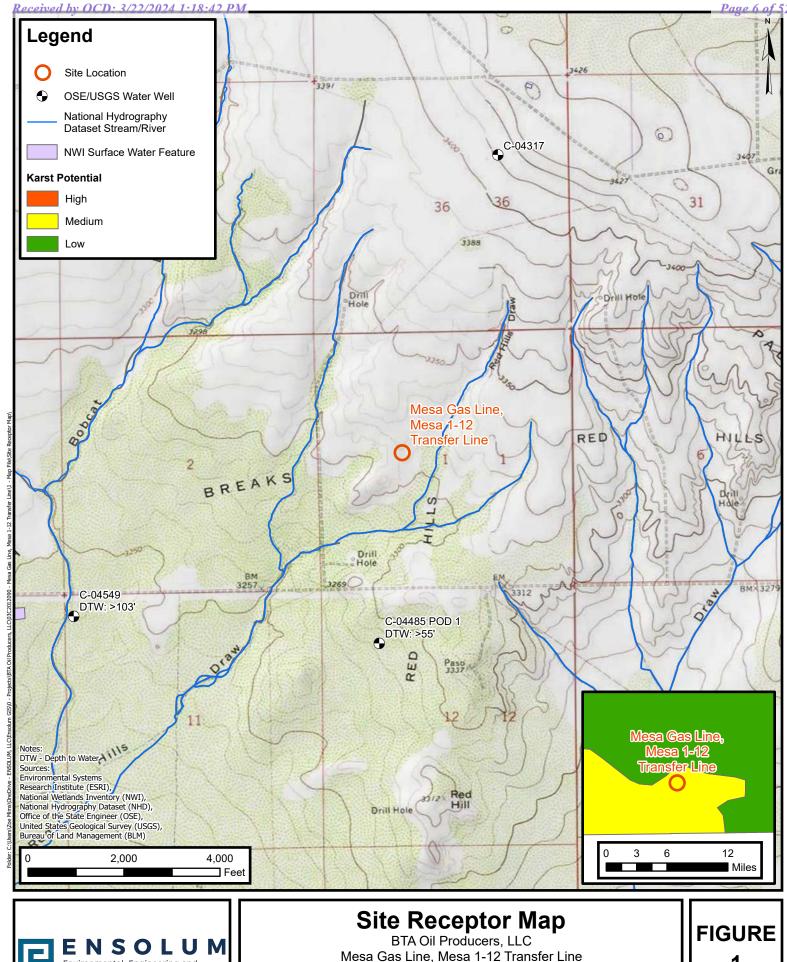
Appendix B Photographic Log

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





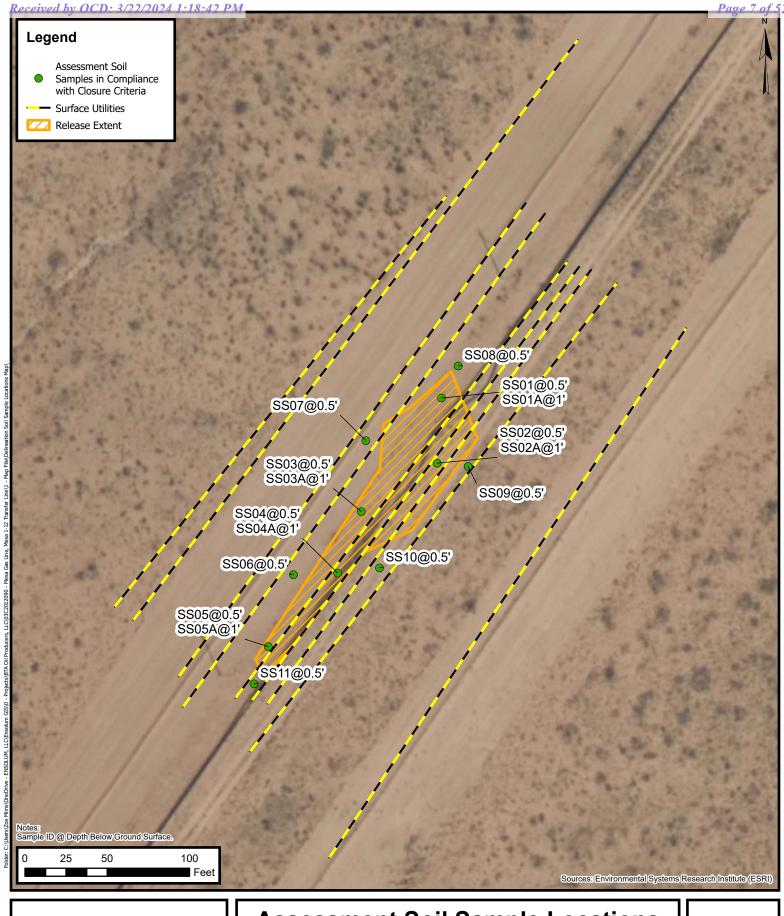
**FIGURES** 





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





# **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

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**TABLES** 

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### 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 C	losure Criteria (	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Asse	ssment Soil Sa	mples				
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.

**Ensolum** 



**APPENDIX A** 

Referenced Well Records



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

07/29/2021

DII-NMOSE 1900 W 2<sup>nd</sup> Street Roswell, NM 88201

DSE DIT AUG 2 2021 PM2:50

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4549 Pod1

To whom it may concern:

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

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

Sincerely,

Lucas Middleton

Enclosures: as noted above

Gran Middler



# PLUGGING RECORD



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

G4-4- Fundament W-11 November C-4549-POD1
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
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
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
Were all plugging activities consistent with an approved plugging plan? Yes If not, please d differences between the approved plugging plan and the well as it was plugged (attach additional pages as need)

Version: September 8, 2009

Page 1 of 2

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

### For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
-	0-10' Hydrated Bentonite	Approx. 15.6 gallons	15 gallons	Augers	
-	10'-103' Drill Cuttings	Approx. 148 gallons	148 gallons	Boring	
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2 2 2		MULTIPLY E	3Y AND OBTAIN	e e	
		cubic feet x 7.4 cubic yards x 201.5	1805 = gallons		

### III. SIGNATURE:

I, Jackie D. Atkins	say	that	I am	familiar	with	the	rules	of the	e Office	of the	State
Engineer pertaining to the plugging of wells and that ea are true to the best of my knowledge and belief.	ch a	nd all	of th	e stateme	ents in	this	Plugg	ing R	ecord and	i attach	ments
Jack Atkin	es								07/	28/202	71

Signature of Well Driller

Version: September 8, 2009 Page 2 of 2

Date

# 2021-07-28C-4549-POD1\_Plugging Record-

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



PAGE 1 OF 2

WELL TAG ID NO.

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

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										STATIC WATER LEV	EL DIO	OMBLETED WE	TT (1217)
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103

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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SIGNATURE OF DRILLER / PRINT SIGNEE NAME

AIR LIFT

OSE DIT ALIG 2 2021 PM2:50 **ESTIMATED** COLOR AND TYPE OF MATERIAL ENCOUNTERED -WATER YIELD FOR BEARING? INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES WATER-BEARING (YES/NO) (attach supplemental sheets to fully describe all units) ZONES (gpm) Y ✓ N √ N Y Caliche, Consolidated, with fine-grained, Tan Y √ N √ N Y Caliche, Consolidated, with fine-grained, Tan Y √ N Sand, Fine-grained poorly graded, with caliche, Tanish Brown Y √ N Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N Y Ν Y N TOTAL ESTIMATED WELL YIELD (gpm): 0.00

07/29/2021

DATE

NO	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
r; rig supervision	MISCELLANEO	OUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.
5. TEST;	,	S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: , Cameron Pruitt, Carmelo Trevino
RE	CORRECT REC	GNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER OF THE PROPERTY OF THE PROPER

TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD,

OTHER - SPECIFY:

Caliche, Consolidated, White

Caliche, Consolidated, White

Clay, Stiff, High Plasticity, Dark Brown,

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Vers	sion 06/30/2017)
FILE NO.	POD NO.		TRN NO.	
LOCATION		WELL	TAG ID NO.	PAGE 2 OF 2

Jackie D. Atkins

Jack Atkins

6. SIGNATU



# WELL RECORD & LOG

# OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

TION	CO	448 WNER NAM	5	OWL 362	WELL TAG ID NO. NA		OSE FILE N	10(s). 14485		
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			THICKNESS		ND TYPE OF MATERIAL ER-BEARING CAVITIES			WA? BEAR			LD FOR ATER-
	FROM	TO	(feet)	The second secon	pplemental sheets to fully			(YES	/NO)	BE	ARING
	0	10		Sand	+ acoupt			Y	0	ZON	ES (gpm)
	10	25		annel	+ gravel + calieb			Y	0		
	25	45		Calici	ho auch			Y	Ø		
	45	55		Sand	stone			Y	8		
					o long			Y	N		
7								Y	N		
WEI							***************************************	Y	N		
4. HYDROGEOLOGIC LOG OF WELL						-		Y	N		
507								Y	N		
SIC								Y	N		
100						100	34.44.44.44.	Y	N		
GEO					***			Y	N		
RO								Y	N		
HYI								Y	N		
4					36(3)			Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
								Y	N		
						5		Y	N	70	0
	METHOD US	ED TO EST	IMATE YIELD	OF WATER-BEARIN	G STRATA:		то	TAL ESTIM	ATED	-0	22
	PUMP	All	R LIFT	BAILER O	THER - SPECIFY:		w	ELL YIELD	(gpm):	100	00.
		TECT D	FOLIA TO A TOTAL						_		7
SION	WELL TEST	START	TIME, END TIM	IE, AND A TABLE SI	TA COLLECTED DURING HOWING DISCHARGE AN	WELL DRA	TESTING, INCLUI WDOWN OVER T	DING DISCH HE TESTING	ARGE N	ETHOI D.	D, Z
VISI	MISCELLAN									0	5
PER										1	
SU										E	6
RIC										1	
5. TEST; RIG SUPERVI	DDINT NAME	(0) OF DD									
5. T	PRINT NAME	(S) OF DRI	LL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION O	F WELL CONSTR	UCTION OT	HER TH	AN LIC	ENSEE:
	THE UNDERS	SIGNED HE	REBY CERTIFI	ES THAT, TO THE B	EST OF HIS OR HER KNO	WLEDO	E AND BELIEF, T	THE FOREGO	DING IS	A TRU	E AND
6. SIGNATURE	CORRECTRE	CORDOF	THE ABOVE DE	SCRIBED HOLF AN	D THAT HE OR SHE WILL PLETION OF WELL DRIL	FILE	THIS WELL RECO	RD WITH TI	HE STAT	E ENG	INEER
NAT	Λ	2.				J., (J.					
SIG	ula	(/ حب		201	ney Hamme	_		14 14	- 11		
9	_ 100	SIGNATUI	RE OF DRILLER	PRINT SIGNEE		-		10-14			
_			- C. DITELER	. TRINI SIGNEE	NAME	_		1	DATE		
7. 10. 10. 10.	OSE INTERNA	AL USE				-	WR-20 WELL R	ECORD & L	OG (Vers	ion 06/	30/2017)
FILE					POD NO.		TRN NO.				
LUC	ATION					WELL	TAG ID NO.			PAGE	2 OF 2



**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

Date:

2/6/2024

Description: Potential point of release

View: West





Photograph: 3

Date: 2/26/2024

Description: Delineation activities

View: Northwest

Photograph: 4

Date:

2/26/2024

Description: Delineation activities

View: Northeast



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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 <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. Keene

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, 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,	mg/kg		d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### 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: Project Name: 02/09/2024

Sampling Type:

Cool & Intact

Soil

Project Number:

BTEX 8021B

MESA GAS LINE, MESA 1-12 TRANSFER I 03C2012098

mg/kg

Sampling Condition: Sample Received By:

Shalyn Rodriguez

Project Location:

BTA - NM

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

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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keine



### 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		Analyze	d 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 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.0	% 49.1-14	8						

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Celey D. Keene



02/06/2024

### Analytical Results For:

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

Received: 02/06/2024 Sampling Date:

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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.1	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 02/06/2024 Sampling Date: Sampling Type: 02/06/2024

Reported: Project Name: 02/09/2024

Sampling Condition:

Cool & Intact

Soil

Project Number:

MESA GAS LINE, MESA 1-12 TRANSFER I

Sample Received By:

Shalyn Rodriguez

Project Location:

03C2012098 BTA - NM

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

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	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 02/06/2024

Reported: 02/09/2024 Project Name: MESA GAS LINE, MESA 1-12 TRANSFER I

Project Number: 03C2012098

Project Location: BTA - NM Sampling Date: 02/06/2024

Sampling Type: Soil

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

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

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	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.0	% 49.1-14	8						

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Celey D. Keene



### 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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.2	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 02/06/2024 Sam

Reported: 02/09/2024
Project Name: MESA GAS LINE, MESA 1-12 TRANSFER I

Project Number: 03C2012098
Project Location: BTA - NM

Sampling Date: 02/06/2024

Sampling Type: Soil

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

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

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



02/06/2024

### Analytical Results For:

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

Received: 02/06/2024 Sampling Date:

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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.6	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 02/06/2024 Reported: 02/09/2024

02/09/2024 Sampling Type:

Applyzod By: 14

Sampling Date:

Project Name: MESA GAS LINE, MESA 1-12 TRANSFER I
Project Number: 03C2012098

Project Location: BTA - NM

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

02/06/2024

Soil

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.8	% 49.1-14	8						

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### Analytical Results For:

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

Received: 02/06/2024 Sam

Reported: 02/09/2024 Sampling Typ

Project Name: MESA GAS LINE, MESA 1-12 TRANSFER I
Project Number: 03C2012098

Project Location: BTA - NM

Sampling Date: 02/06/2024

Sampling Type: Soil

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

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.3	% 49.1-14	8						

Applyzod By: 14

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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

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Celeg D. Freene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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REAGE NOTE: Untilly and Danages, Certhods liability and district to an analysis. All share in building done for negliganes and any other cases of analysis, in no cerent-half capitals he shall for indicated or conceptuable.  Relinings at successor and large select or related to the performance of death.  Relinings at Sheed By:  Delivered By: (Circle One)  Delivered By: (Circle One)  Correcto.	Phone \$: 437-557 8895 Project S: 437-557 8895 Project Name: Maga Cons Project Name: Maga Cons Project Location: 100 Const Sampler Name: 100 Const  Sampler Name: 100 Sample I.D.  1040 554  11 8511	Warne: Ensolum, LLC
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The Divide Enail address:  H	X Chloride	ANALYSIS REQUEST



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 <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. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 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

Applyand By 14

Project Location: BTA

### Sample ID: SS01 1' (H240923-01)

DTEV 0021D

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	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/28/2024	ND	448	112	400	3.64	
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.8	% 49.1-14	8						

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### Analytical Results For:

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

Received: 02/26/2024

Sampling Date: 02/26/2024
Sampling Type: Soil

Reported: 02/29/2024
Project Name: MESA GAS LINE, MESA 1-12 TRANSFER I

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Project Number: 03C2012090

Project Location: BTA

### Sample ID: SS02 1' (H240923-02)

BTEX 8021B	mg	/kg	Analyze	ed 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	% 71.5-13	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	<16.0	16.0	02/28/2024	ND	448	112	400	3.64	
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### 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

Applyzod By: 14

Project Location: BTA

ma/ka

### Sample ID: SS03 1' (H240923-03)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
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	% 71.5-13	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	<16.0	16.0	02/28/2024	ND	448	112	400	3.64	
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.1	% 49.1-14	8						

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02/26/2024

### Analytical Results For:

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

Received: 02/26/2024 Sampling Date:

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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/28/2024	ND	448	112	400	3.64	
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.6	% 49.1-14	8						

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### Analytical Results For:

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

Received: 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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/28/2024	ND	448	112	400	3.64	
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.8	% 49.1-14	8						

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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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Celey D. Keene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Composition Compos				The same of the sa
Company Name: Ensolum, LLC		BILL 10	ANALYSIS REQUEST	ISI
Project Manager: Hadlie Green		P.O. #:		
Address: 3122 National Parks Hwy	<b>V</b>	Company: BTA Oil		
city: Carlsbad	State:NM Zip: 88220	Attn: Kelton Beaird		
Phone #: 432 557-8895		Address: 104 S Pecos	s St	
Project #:03C2012090	Project Owner: BTA	city: Midland		
S	Line, Mesa 1-12 Transfer Line	State: TX Zip: 79701		
Project Location:		Phone #:		
Sampler Name: Connor Whitman		Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	LING	
Haydas	RS TER		D	
Lab I.D. Sample I.D.	(feet) (f	OTHER: ACID/BASE: ICE COOL OTHER:	Chlor BTEX TPH	
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3 5503	1/		1920	
50	+1		1025	
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PLEASE NOTE: Liabity and Damages. Cardinal's liabitly and cile analyses. All claims including those for neighgence and any other or service. In no exercises arising out of or related to the performance affiliates or successors arising out of or related to the performance.	PLEASE NOTE: Lability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the plant analysiss. All daims including those for negligence and any other cause whatsoever shall be deemed waked unless made in withing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential amages, including without limitation, business interrupting, or loss of the professionary client, its solid cardinal professional of the cardinal professional cardinal professional	or fort, shall be limited to the amount paid received by Cardinal within 30 days after raise of use, or loss of profits incurred by click above stated reason to the above stated reason to the same of the above stated reason to the same of the sam	by the clerifor the  typine clerifor the applicable  completion of the applicable  and, its autosidaries,  one or otherwise	
Relinquished By:	Date:  Time:  13:15  Received By:  WAN A		Verbal Result:   Yes X No   Add'l Phone #:  All Results are emailed. Please provide Email address:  HGreen@ensolum.com	
Relinquished By:	Date: Received By:		nAPP2403133055	
Delivered By: (Circle One)	Sample Co Cool Int	CHECKED BY:	Turnaround Time: Standard A Bacteria (only) Sample Condition  Rush Cool Intact Observed Temp.	ample Condition Observed Temp. °C
Sampler - UPS - Bus - Other: Co	Corrected Temp. C #140   Tyes Tyes	0	0 0	Corrected Temp, °C

Corrected Temp. °C

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** 

QUESTIONS

Action 325921

### **QUESTIONS**

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	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	or 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.

District I

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# **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

Ωl	JFS1	TIONS	(continued)	۱

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	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.

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.

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

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

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

QUESTIONS, Page 3

Action 325921

**QUESTIONS** (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	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 prov	vided 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 conta	mination 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	n, 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 co which includes the anticipated timelines for beginning and completing the remediation.	ompleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
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 calculating	ion 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 adjust	sted 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.

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

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 4

Action 325921

### QUESTIONS (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	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

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

QUESTIONS, Page 5

Action 325921

### **QUESTIONS** (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	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

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** 

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

QUESTIONS, Page 6

Action 325921

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	1 1 e, 14141 07 303
QUEST	IONS (continued)
Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos Midland, TX 79701	Action Number: 325921
Middle, 17770101	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 r	emediation 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
	Lectosure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of the other controls of the other customers.
to report and/or file certain release notifications and perform corrective actions for release	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by

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.

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

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**

QUESTIONS, Page 7

Action 325921

**QUESTIONS** (continued)

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	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	

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

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CONDITIONS

Action 325921

### **CONDITIONS**

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
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	Action Type:
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### CONDITIONS

Created	Condition	Condition
Ву		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