

April 17, 2025

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request
Avalon UT 657
Incident Number nAPP2420136803
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Closure Request* to document excavation and soil sampling activities performed at the Avalon UT 657 (Site). The purpose of the excavation and soil sampling activities, conducted in accordance with an approved Remediation Work Plan (*Work Plan*), was to address impacted soil from a release of crude oil and produced water at the Site. XTO is submitting this *Closure Request*, describing excavation activities that have occurred and requesting no further remediation for Incident Number nAPP2420136803.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 31, Township 20 South, Range 28 East, in Eddy County, New Mexico (32.5346°, -104.21384°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On June 28, 2024, corrosion of a flow line resulted in the release of 11 barrels (bbls) of produced water and 5 bbls of crude oil into a pasture area. No fluids were recovered. XTO submitted a Notification of Release (NOR) and Initial C-141 Application (C-141) on July 19, 2024. The release was assigned Incident Number nAPP2420136803.

Ensolum conducted Site assessment and delineation activities and presented the results in a *Work Plan*. The *Work Plan* was submitted on September 26, 2024, and approved by the NMOCD on October 24, 2024. The *Work Plan* proposed excavation of impacted soil identified during delineation activities. The approved *Work Plan* proposed excavation of an estimated 560 cubic yards of impacted soil in a 2,140 square foot area.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Park Highway | Carlsbad, NM 882200 | ensolum.com

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Total 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 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 reclaimed following remediation.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

From January 14 to January 28, 2025, Ensolum personnel were onsite to oversee excavation of impacted soil according to the approved *Work Plan*. Excavation activities were performed by utilizing heavy equipment. To direct excavation activities, soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Once field screening indicated impacted soil was adequately removed, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS12 were collected from the floor of the excavation at depths ranging from 2.5 feet below ground surface (bgs) to 7 feet bgs. Confirmation soil samples SW01 through SW07 were collected from the sidewalls of the excavation at depths ranging from 4 feet bgs to 7 feet bgs. The confirmation soil sample locations were mapped utilizing a handheld global positioning system (GPS) unit and are depicted on Figure 1. Photographic documentation of the excavation activities and the final excavation extent is provided in Appendix A.

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 contaminants 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 Standard Method SM4500.

The final excavation extent measured approximately 2,330 square feet. A total of approximately 460 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and disposed of at R360 Landfill in Hobbs, New Mexico. Disposal manifests are included in Appendix B. The final excavation extent was backfilled with material purchased locally and recontoured to match pre-existing Site conditions. One representative 5-point composite sample (BF01) was collected from the topsoil backfill material on February 26, 2025. The backfill soil sample was transported under strict chain-of-custody procedures to Cardinal.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all confirmation soil samples collected indicated COC concentrations were compliant with the Site Closure Criteria and reclamation requirements where applicable. Laboratory analytical results for the backfill soil sample BF01 confirmed compliance with reclamation requirement standards. Laboratory analytical results are summarized in Table 1 and all complete laboratory analytical reports are included in Appendix C.



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RECLAMATION PLAN

The Site will be seeded with BLM seed mix #1 for loamy sites at the rate specified in pounds of pure live seed (PLS) per acre.

Species/Cultivar	PLS/Acre
Plains lovegrass (Eragrostis intermedia)	0.5
Sands dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0
Plains bristlegrass (Setaria macrostachya)	2.0

The seed mix will be applied via drill seeding or broadcast seeding. If broadcast seeding is selected, the PLS/acre will be doubled and the seed will be raked in by chaining or dragging the Site. Reclamation activities will be documented via on-site monitoring and photographs will be included in a *Re-Vegetation Report*.

CLOSURE REQUEST

Excavation activities were conducted at the Site in accordance with the approved *Work Plan* to address the June 2024 release of crude oil and produced water. The *Work Plan* is included in Appendix D for reference. Laboratory analytical results for all confirmation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the Site Closure Criteria. Based on soil sample laboratory analytical results, no further remediation is required. The excavation was backfilled with material purchased locally and the Site recontoured to match pre-existing Site conditions.

A *Re-vegetation Report* will be submitted to the NMOCD once vegetation growth in the reclaimed pasture area has uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

Excavation of soil has mitigated impacts at this Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2420136803.

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



Daniel Moir, PG (licensed in WY & TX)

Senior Managing Geologist

XTO Energy, Inc. Closure Request Avalon UT 657

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

Tracy Hillard Project Engineer

Ashley McAfee, XTO

Kaylan Dirkx, XTO

BLM

Appendices:

CC:

Figure 1 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results

Appendix A Photographic Log Appendix B Disposal Manifests

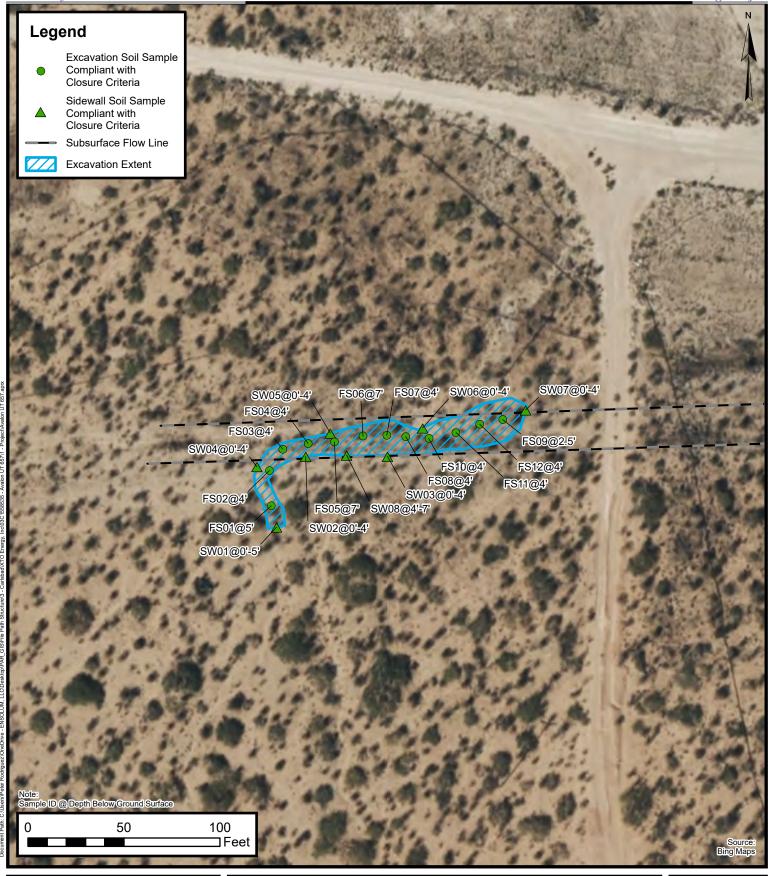
Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix D September 26, 2024, Remediation Work Plan





FIGURES





Excavation Soil Sample Locations

XTO Energy, Inc Avalon UT 657

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Unit B, Sec 31, T20S, R28E Eddy County, New Mexico **FIGURE**

1



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Avalon UT 657 XTO Energy, Inc Eddy 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	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delir	neation Soil Sai	nples				
BH01	09/20/2024	0.5	<0.050	9.92	575	12,700	2,420	13,275	15,695	4,240
BH01A	09/20/2024	4	<0.200	33.5	726	8,970	1,670	9,696	11,366	8,260
BH02	09/20/2024	0.5	<0.050	10.2	618	13,400	2,670	14,018	16,688	3,000
BH02A	09/20/2024	5	<0.050	3.56	162	1,760	310	1,922	2,232	6,720
BH03	09/20/2024	0.5	<0.050	31.0	1,970	21,500	3,750	23,470	27,220	48.0
BH03A	09/20/2024	5	<0.050	1.38	60.9	1,250	206	1,311	1,517	80.0
BH03B	09/20/2024	7	< 0.050	<0.300	14.2	490	89.4	504	594	96.0
				Confi	rmation Soil Sa	mples				
FS01	01/15/2025	5	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS02	01/22/2025	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS03	01/22/2025	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS04	01/22/2025	4	< 0.050	<0.300	<10.0	24.1	<10.0	24.1	24.1	2,320
FS05	01/28/2025	7	< 0.050	<0.300	<10.0	39.3	<10.0	39.3	39.3	960
FS06	01/28/2025	7	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040
FS07	01/27/2025	4	< 0.050	0.365	15.1	260	47.4	275	323	864
FS08	01/27/2025	4	< 0.050	<0.300	<10.0	381	74.3	381	455	896
FS09	01/27/2025	2.5	< 0.050	<0.300	<10.0	74.6	<10.0	74.6	74.6	96.0
FS10	01/24/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
FS11	01/27/2025	4	< 0.050	<0.300	<10.0	27.5	<10.0	27.5	27.5	1,340
FS12	01/27/2025	4	< 0.050	<0.300	<10.0	51.3	<10.0	51.3	51.3	256
SW01	01/15/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW02	01/24/2025	0-4	<0.050	<0.300	<10.0	21.0	<10.0	21.0	21.0	144
SW03	01/24/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW04	01/22/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW05	01/22/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW06	01/28/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW07	01/28/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW08	01/28/2025	4-7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368

Ensolum 1 of 2



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Avalon UT 657 XTO Energy, Inc Eddy 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 CI	osure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
	Backfill Soil Sample									
BF01	02/26/2025	0.5	< 0.050	<0.300	<10.0	10.5	<10.0	10.5	10.5	64.0

Notes:

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

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

Ensolum 2 of 2



APPENDIX A

Photographic Log



Photographic Log

XTO Energy, Inc Avalon UT 657 nAPP2420136803





Photograph: 1 Date: 1/21/2025

Description: Excavation actvities

View: South

Photograph: 2 Date: 1/24/2025

Description: Excavation activities

View: Southwest



Photograph: 3 Date: 1/28/2025

Description: Final excavation extent

View: Southwest



Photograph: 4 Date: 2/21/2025

Description: Backfilled excavation

View: Southwest



Appendix B

Disposal Manifests

Phone No._



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company	Man Contact Information	
Name _	A PROPERTY OF	

		GENER	ATOR		v.	NO. HW- 724	179
Generator Manifest # Generator Name Address			Location of Lease/Wel Name & No County	1177	lan -	HILLOUTE 127	
City, State, ZipPhone No.			API No. Rig Name & AFE/PO No	Parlant	10/3- 1-12-10 10-2-10	79972 29 25 80	
Dil Based Muds Dil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil	Completion Flu Produced Water	BLE WATERS or (Non-Injectable) id/Flow Back (Non-Injecta or (Non-Injectable) Water/Waste (Non-Inject	ble)	next to waste t		PT E&P WASTE STREAMS	
Gas Plant Waste	The state of the s	(exempt waste)	YES	NO	QUANTITY	TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION		PRODUCTION		GATHERING LINES	
Non-Exempt Other All non	NON- exempt E&P waste must be analy	EXEMPT E&P Waste/Serv sed and be below thresho	ld limits for to	xicity (TCLP), Ignit		rity adn Reactivity. t Waste List on back	Tonus Carlo
DISPOSAL QUANTITY	B - BARRELS	2 (- LIQUID	-277	Y - YARDS	E-	EACH
☐ EMERGENCY NON-DILFIELD	Oil field waste which is non-hazard 40 CFR 261.21-261.24, or listed hat waste as non-hazardous is attached MSDS Information Emergency non-hazardous, non-oil determination and a description of	izardous waste as defined ed. (Check the appropriate RCRA Haz	items as prov ardous Waste ordered by th	rt 261, subpart D, ided) Analysis	as amended. T	Dther (Provide Description	emonstrating the on Below)
(PRINT) AUTHORIZED AG	ENTS SIGNATURE	DATE				SIGNATURE	-
Transporter's Name Address Phone No. Transporter Ticket #	erial(s) was/were picked up at the		Driver's Nan Print Name Phone No. Truck No.		ent to the dispos	sal facility listed below.	
SHPMENT DATE	DRIVER'S SIGNATURE			ERY DATE			
TRUCK TIME STAN IN: OUT:		DISPOSALI	1000	Υ	lame/No	RECEIVING AREA	
Address 6601 Hobbs Hwy I	Ility / NM1-006 US 62 / 180 Mile Marker 66 Carlsb TAKEN? (Circle One) YES R TEST? (Circle One) YES	ad, NM 88220	Phone No.	575-3 reading > 50 min	92-6368 cro roentgents	s? (Circle One) YES	NO
st Guage Feet Ind Guage Received	Inches	TANK BOT	TOMS		e Water	BS&W (%)	
hereby certify that the above load material	il has been (circle one): AC	CCEPTED DEI	NIED	If denied,	The section of the se	NP.	



(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man	Contact	Information
Name	T. See	

		GENI	ERATOR		NO. HV	-72	1178
Generator Manifest #			Location of Origin	Wallet Alex	IP		
Generator Name		36	Lease/Well Name & No.				
Address			County	STATE SALE	ALKEN	00	
			API No.	anallin.	1440		
City, State, Zip			Rig Name & No.	THE VITTOR	R/		
Phone No.			AFE/PO No	Contract of	E 1058-		
Oil Based Muds	XEMPT E&P Waste,	Service Identification and Amoun	nt (place volume next to waste	type in barrels	or cubic yards	128/	The same of
Oil Based Cuttings		NON-INJECTABLE WATERS Washout Water (Non-Injectable)	- Property	OTHER EXEMS	PT E&P WASTE	STREAMS	
Water Based Muds Water Based Cuttings		Completion Fluid/Flow Back (Non-Inj	iectable)	Rell			
Produced Formation Solids		Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-In	niectable)	1			
Tank Bottoms E&P Contaminated Soil		INTERNAL USE ONLY	ijectabiej	TOP SOIL & CA	HOHE SALES		
Gas Plant Waste		Truck Washout (exempt waste)	YES NO	QUANTITY	LIGHT OALLO	TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	☐ DRILLING	COMPLETION	PRODUCTION		GATHERING		ONLIGHT
	-		Service Identification and Amount		CHITICITING	CHVCO	
All	non-exempt E&P wast	must be analysed and be below three	eshold limits for texicity (TCLP), lo	nitability, Corresiv	vity adn Reactiv	ity.	3
Non-Exempt Other			*please select f				
DISPOSAL QUANTITY		B - BARRELS	L-LIQUID	Y - YARDS		E-	EACH
RCRA NON-EXEMPT	Oil field waste whi	ch is non-hazardous that does not aw	and the minimum standards for	CONTRACTOR OF STREET	and the second second second second	THE RESERVE OF THE PARTY OF THE PARTY.	COMPANY OF STREET
☐ RCRA NON-EXEMPT: ☐ EMERGENCY NON-OILFIELD	waste as non-haze MSDS Information Emergency non-hadetermination and	ch is non-hazardous that does not ex .24, or listed hazardous waste as defined is attached. (Check the appropriate RCRA) aradous, non-oilfield waste that has been a description of the waste must acco	ined by 40 CFR, part 251, support riate items as provided) Hazardous Waste Analysis been ordered by the Department of	D, as amended. Ti	Dther (Pro	cumentation de	monstrating the n Below)
☐ EMERGENCY NON-OILFIELD	waste as non-haza MSDS Information Emergency non-ha	rdous is attached. (Check the appropriate and the company of the waste must acco	ined by 40 CFR, part 251, subpart riate items as provided) Hazardous Waste Analysis been ordered by the Department of impany this form)	D, as amended. Ti	Dther (Pro	cumentation de	monstrating the n Below)
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CPRINT) AUTHORIZE Transporter's Name Address Phone No. Transporter Ticket # hereby certify that the above named of the service of the servic	waste as non-haze MSDS Information Emergency non-hadetermination and D AGENTS SIGNATURE TAMP ACCILITY / NM1-006 WY US 62 / 180 Mile M D STAKEN? (Circle O	TRANS	DELIVERY DATE L FACILITY Triate items as provided) Hazardous Waste Analysis Deen ordered by the Department of Impany this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. Truck No.	dent to the dispos Name/No	Other (Pro e order, docume SIGNATURE Bal facility listed DRIVER RECEIVING	cumentation devide Description of non description o	monstrating the n Below)
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Feet EMERGENCY NON-OILFIELD (PRINT) AUTHORIZE (PRINT) AUTHORIZE (PRINT) AUTHORIZE (PRINT) AUTHORIZE (PRINT) AUTHORIZE (PRINT) AUTHORIZE TRUCK TIME ST TRUCK TIME ST IN: OUT OUT OUT OUT OUT OUT OUT OU	waste as non-haze MSDS Information Emergency non-hadetermination and D AGENTS SIGNATURE TAMP ACCILITY / NM1-006 WY US 62 / 180 Mile M D STAKEN? (Circle O	TRANS	Inde of y 40 CFR, part 261, subpart riate items as provided) Hazardous Waste Analysis Idean ordered by the Department of Impany this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. I above and delivered without incidence of Impany this form DELIVERY DATE L FACILITY Phone No. 575- If YES, was reading > 50	dent to the dispos Name/No 392-6368	Other (Pro e order, docume SIGNATURE Bal facility listed DRIVER RECEIVING	d below. S SIGNATURE S AREA	monstrating the in Below) hazardous waste
Feet EMERGENCY NON-OILFIELD (PRINT) AUTHORIZE TRUCK TIME ST IN: OU' Site Name/ Permit No. Address NORM READING PASS THE PAINT FILE St Guage	waste as non-haze MSDS Information Emergency non-hadetermination and D AGENTS SIGNATURE TAMP ACCILITY / NM1-006 WY US 62 / 180 Mile M D STAKEN? (Circle O	TRANS	Driver's Name Print Name Print Name Print No. Truck No. Truck No. Tabove and delivered without inci DELIVERY DATE L FACILITY Phone No. Trycs, was reading > 50 r	dent to the dispose Name/No	Other (Pro e order, docume SIGNATURE Bal facility listed DRIVER RECEIVING	cumentation devide Description of non description o	monstrating the in Below) hazardous waste
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(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information Name $\frac{Ken+Re+z}{}$

- 10	ho	no.	M	^	
100	w	ne	1.4	v	

	VITA	GENE	IIAIOII	1	NO.HW- 717	087
Generator Manifest #	XIU		Location of Origin	Huglon	书记	
Generator Name			Lease/Well Name & No.	Ont +	+ 657	
Address			County	3€ 155	8535	
(c			API No.	30-015-	24473	
City, State, Zip			Rig Name & No. 2	120136	803	
Phone No. —			AFE/PO No.	1361810	201	
		ervice Identification and Amoun	t (place volume next to wast	Name and Address of the Owner, where the Owner, which is the O	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	
Oil Based Muds Oil Based Cuttings		ION INJECTABLE WATERS		OTHER EXEMPT	E&P WASTE STREAMS	
Water Based Muds		Vashout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Inj	ectable)			
Water Based Cuttings Produced Formation Solids	P	roduced Water (Non-Injectable)	300000000000000000000000000000000000000	8011	DomP	
Tank Bottoms		Sathering Line Water/Waste (Non-In NTERNAL USE ONLY	ijectabie)	TOP SOIL & CALI	and the second second	
E&P Contaminated Soil Gas Plant Waste	19.44	ruck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	☐ PRODUCTION		GATHERING LINES	GPACIOI IC
					GATTERING CINES	
All	non-exempt E&P waste	MUN-EXEMPT EAP Waste/ must be analysed and be below thro	Service Identification and Amour eshold limits for toxicity (TCLP), I	t gnitability, Corrosivit	y adn Reactivity.	
Non-Exempt Other		- 30	The second secon		Waste List on back	
DISPOSAL QUANTITY		B - BARRELS	L-LIQUID	Y - YARDS	90 E-EAC	н
hereby certify that the above listed m	naterial(s), is (are) not ha	zardous waste as defined by 40 CFF	R Part 261 or any applicable state	law. That each was	te has been properly described.	classified and
packaged, and is in proper condition for	or transportation accordi	ng to applicable regulation.				
RCRA EXEMPT:	Oil field wastes gen per load basis only)	erated from oil and gas exploration	and production operation and ar	e not mixed with nor	n-exempt waste (R360 Accepts of	ertifications on a
RCRA NON-EXEMPT:	Oil field waste which	h is non-hazardous that does not ex	ceed the minimum standards for	waste hazardous by	characteristics established in R	CRA regulations
	40 CFR 261.21-261.2	 24. or listed hazardous waste as def 	fined by 40 CFR, part 261, subpar	t D, as amended. The	e following documentation demo	nstrating the
	MSDS Information	dous is attached. (Check the approp	Hazardous Waste Analysis	Г	Other (Provide Description B	aloud
EMERGENCY NON-OILFIELD	- Constant of the Constant of	ardous, non-oilfield waste that has b		of Public Safety (the		
	determination and a	description of the waste must acco	ompany this form)	or r done barety (the	order, documentation or non-na	diuuus waste
(PRINT) AUTHORIZE	ED AGENTS SIGNATURE		DATE		SIGNATURE	
Transporter's	- 12		SPORTER	0 +		
Name <u>Deni</u>	16x 016	* Trucking	Driver's Name	Peter		
AddressPhone No.			Print Name			-
Transporter Ticket #			Phone No.	102		
hereby certify that the above named	material/s) was /wore ni	chad up at the Generator's site liste	Truck No		a best An	
merely vertify must one debye named	noterially was were his	woo up at the delicitator's site lister	1 9 / 2	cident to the dispose	ar facility listed below.	
SHIPMENT DATE	DRIVE	R'S SIGNATURE	DELIVERY DATE		DRIVER'S SIGNATURE	
TRUCK TIME S	TAMP	DISPOSA	L FACILITY		RECEIVING AREA	
IN:OU	T:			Name/No.	29	
Site Name/						
Permit No. Halfway F	acility / NM1-006		Phone No. 57	5-392-6368		
Permit No. Halfway F		arker 66 Carlsbad, NM 88220	Phone No	Constitution of		
Permit No. Halfway F Address 6601 Hobbs H		arker 66 Carlsbad, NM 88220	Phone No	5-392-6368	? (Circle One) YES	NO)
Address Halfway F 6601 Hobbs H NORM READIN	wy US 62 / 180 Mile Ma	ne) YES NO	9231000000000000000000000000000000000000	5-392-6368	? (Circle One) YES	NO
Address Halfway F 6601 Hobbs H NORM READIN	wy US 62 / 180 Mile Ma GS TAKEN? (Circle On	ne) YES NO	If YES, was reading > 50	5-392-6368	? (Circle One) YES	NO
Permit No. Halfway F Address 6601 Hobbs H NORM READIN PASS THE PAINT FI	wy US 62 / 180 Mile Ma GS TAKEN? (Circle On	ne) YES NO	If YES, was reading > 50	5-392-6368 micro roentgents		NO NO
Address 6601 Hobbs H NORM READIN PASS THE PAINT FI Telef 1st Guage	wy US 62 / 180 Mile Ma GS TAKEN? (Circle On	rker 66 Carlsbad, NM 88220 ne) YES NO TANK B	If YES, was reading > 50	5-392-6368 micro roentgents	? (Circle One) YES	NO
Permit No. Halfway F Address 6601 Hobbs H NORM READIN PASS THE PAINT FI 1st Guage 2nd Guage	wy US 62 / 180 Mile Ma GS TAKEN? (Circle On	rker 66 Carlsbad, NM 88220 ne) YES NO TANK B	If YES, was reading > 50 BOTTOMS BS&W/BBI	5-392-6368 micro roentgents S Received Free Water		NO
Permit No. Halfway F Address 6601 Hobbs H NORM READIN PASS THE PAINT FI 1st Guage 2nd Guage Received	wy US 62 / 180 Mile Ma GS TAKEN? (Circle On LTER TEST? (Circle On	ne) YES NO TANK E	If YES, was reading > 50 BOTTOMS BS&W/BBI Tot	5-392-6368 micro roentgents S Received Free Water al Received		NO NO
Permit No. Halfway F 6601 Hobbs H NORM READIN PASS THE PAINT FI 1st Guage 2nd Guage	wy US 62 / 180 Mile Ma GS TAKEN? (Circle On LTER TEST? (Circle On	ne) YES NO TANK B	If YES, was reading > 50 BOTTOMS BS&W/BBI Tot	5-392-6368 micro roentgents S Received Free Water		NO



Company	Man Contact	t Information
Name &	ent B	atz
	100	

R360	INEVVIV	(PLEAS		QUIRED INFORMATION*	Name <u>Kent</u> Ratz Phone No.
Generator Manifest #	XTO	GENE	RATOR	Avalon No	HW-716776
Generator Name Address 2 4 2 0 / 3	LON UI 66 58535 6803	7	Location of Origin Lease/Well Name & No. County API No.	Unit #	657
City, State, Zip Phone No.	1001	**************************************	Rig Name & No. AFE/PO No.		
EX	EMPT E&P Waste/Service	ce Identification and Amoun	t (place volume next to	o waste type in barrels or cubic	yards)
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil	Wash Comp Produ Gathe	INJECTABLE WATERS out Water (Non-Injectable) letion Fluid/Flow Back (Non-Injectable) ced Water (Non-Injectable) rring Line Water/Waste (Non-In RNAL USE ONLY		Be//y TOP SOIL & CALICHE SA	DemP
Gas Plant Waste	Truck	Washout (exempt waste)	YES NO		TOP SOIL CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	☐ PRODU	JCTION GATH	ERING LINES
Non-Exempt Other	on-exempt E&P waste must	NON-EXEMPT E&P Waste/S be analysed and be below three	eshold limits for toxicity (Amount TCLP), Ignitability, Corrosivity adn I select from Non-Exempt W aste	
DISPOSAL QUANTITY	8-	BARRELS	L-LIQUID	Y - YARDS	E - EACH
I heréby certify that the above listed ma packaged, and is in proper condition for BCRA EXEMPT: RCRA NON-EXEMPT: EMERGENCY NON-OILFIELD	Oil field wastes generate per load basis only) Oil field waste which is a 40 CFR 261.21-261.24, o waste as non-hazardous MSDS Information Emergency non-hazardou	o applicable regulation. ad from oil and gas exploration non-hazardous that does not ex r listed hazardous waste as def is attached. (Check the approp RCRA us, non-oilfield waste that has b	and production operation ceed the minimum stand- ined by 40 CFR, part 261, riate items as provided) Hazardous Waste Analy- seen ordered by the Depa	and are not mixed with non-exemerates for waste hazardous by characteristic subpart D, as amended. The followings.	been properly described, classified and pt waste (R360 Accepts certifications on a cteristics established in RCRA regulations, ving documentation demonstrating the her (Provide Description Below) documentation of non-hazardous waste
(PRINT) AUTHORIZED	determination and a desi	cription of the waste must acco	DATE	SIGNATI	
Transporter's Name Sem T Address Phone No. Transporter Ticket #	ex Milex I	rucking	Driver's Name Print Name Phone No. Truck No.	Peter 102	- Od
SHIPMENT DATE	DRIVER'S SI	GNATURE	DELIVERY DAT	5 Klesty	ty listed below. Mediture. DRIVER'S SIGNATURE
TRUCK TIME STA		DISPOSA	L FACILITY	Name/No	IVING AREA
	cility / NM1-006 y US 62 / 180 Mile Marker		Phone No.	575-392-6368	

NORM READINGS TAKEN? (Circle One) PASS THE PAINT FILTER TEST? (Circle One)

NO) YES YES NO

If YES, was reading > 50 micro roentgents? (Circle One)

BS&W (%)

NO

1/4	w	MИ	46	0	ш	WI S	
La				•	 01	LLL.	

1st Guage 2nd Guage Received

DENIED

If denied, why?

Free Water

Total Received

BS&W/BBLS Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

C-138 791 10 91 38nd com (877)499-0492

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink-GENERATOR SITE CO WY EPODITING TO THE TOTAL OF PALIFORNIE IN COLD



791 10 / I 280d

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Compar	y Man Contact Information
Name .	Keut Rotz

		GENE	RATOR	NO.	HW- 722335
Generator Manifest # Generator Name Address	0		Location of Origin Lease/Well Name & No. County API No.	Avalon DT LST Pro, #036155953 MARE 2420136953	
City, State, Zip Phone No.			Rig Name & No. AFE/PO No.	30-015-24473	
E CONTRACTOR DE	KEMPT E&P Waste/Service	Identification and Amount		aste type in barrels or cubic ya	ardsl
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil	NON-IN Washor Comple Produce Gatheri	JECTABLE WATERS It Water (Non-Injectable) tion Fluid/Flow Back (Non-Inje d Water (Non-Injectable) Ing Line Water/Waste (Non-Injectable) AL USE ONLY	ctable)	OTHER EXEMPT E&P WAS	STE STREAMS
Gas Plant Waste	Truck W	ashout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICHE
WASTE GENERATION PROCESS:	☐ DRILLING	COMPLETION	PRODUCTI	ON GATHER	ING LINES
All I Non-Exempt Other	ion-exempt E&P waste must b	NON-EXEMPT E&P Waste/S e analysed and be below thres	shold limits for toxicity (TCLF	ount ²), Ignitability, Corrosivity adn Rea oct from Non-Exempt Waste Li	
DISPOSAL QUANTITY	B - B4	RRELS	L - LIQUID	O Y-YARDS	E - EACH
RCRA EXEMPT: BCRA NON-EXEMPT: EMERGENCY NON-OILFIELD	Oil field waste which is no 40 CFR 261.21-261.24, or if waste as non-hazardous is MSDS Information Emergency non-hazardous,	n-hazardous that does not excisted hazardous waste as definattached. (Check the appropri	eed the minimum standards ned by 40 CFR, part 261, sub- ate items as provided) Hazardous Waste Analysis ten ordered by the Departms	for waste hazardous by character part D, as amended. The followin	waste (R360 Accepts certifications on a ristics established in RCRA regulations, g documentation demonstrating the (Provide Description Below) cumentation of non-hazardous waste
(PRINT) AUTHORIZE	D AGENTS SIGNATURE	0	ATE	SIGNATURE	
Transporter's Name Address Phone No. Transporter Ticket #	Tex Mex		PORTER Driver's Name _ Print Name _ Phone No Truck No above and delivered withou	Cornels tincident to the disposal facility.	isted below.
SHIPMENT DATE	DRIVER'S SIGN		1-24-25	(P	70/
TRUCK TIME ST	AMP	The second secon	L FACILITY		ING AREA
Address 6601 Hobbs H		Carlsbad, NM 88220 YES NO YES NO		575-392-6368 50 micro roentgents? (Circle (One) YES NO
1st Guage Feet 2nd Guage Received	45			BBLS Received Free Water Total Received	BS&W (%)
hereby certify that the above load ma	erial has been (circle one):	ACCEPTED 05	DENIED IF O	denied, why?	SIGNATURE

Received by OCD: 4/19/2025 12:00:13 AM



(PLEASE PRINT) *REQUIRED INFORMATION*

Compa	ny Man Contact Information
Name	Kent Ketz
Phone	No

		GENE	RATOR		NO. HW- 727	2333
Generator Name Address	0		Location of Origin Lease/Well Name & No. County API No.	Prostoscis	JT 157	
City, State, Zip Phone No.			Rig Name & No. AFE/PO No.	30-015-3	4173	
E	(EMPT E&P Waste/Service	e Identification and Amount	(place volume next to			-
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Washo Comple Produc Gather	NJECTABLE WATERS ut Water (Non-Injectable) stion Fluid/Flow Back (Non-Inje ed Water (Non-Injectable) ing Line Water/Waste (Non-Inj NAL USE ONLY Vashout (exempt waste)	20000000000000000000000000000000000000	TOP SOIL & GA	PT E&P WASTE STREAMS LICHE SALES TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODU		GATHERING LINES	GAEIGITE
All r Non-Exempt Other	non-exempt E&P waste must l	NON-EXEMPT E&P Waste/S be analysed and be below thre	ervice Identification and shold limits for toxicity ()	Amount	vity adn Reactivity.	
DISPOSAL QUANTITY	B - B	ARRELS	L - LIQUID	Y - YARDS) E	- EACH
RCRA NON-EXEMPT:	MSDS Information Emergency non-hazardous	on-hazardous that does not exc listed hazardous waste as define s attached. (Check the appropri RCRA t, non-oilfield waste that has be iption of the waste must accor	ned by 40 CFR, part 261, late items as provided) Hazardous Waste Analys een ordered by the Depar	subpart D, as amended. 1	The following documentation Other (Provide Descript	demonstrating the ion Below)
(PRINT) AUTHORIZE	AGENTS SIGNATURE	- 0	MATE		SIGNATURE	
Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named in			PORTER Oriver's Name Print Name Phone No. Truck No. above and delivered with	hout incident to the dispo	isal facility listed below.	
SHIPMENT DATE	ORIVER'S SIG	NATURE	DELIVERY DATE		DRIVER'S SIGNATURE	
TRUCK TIME ST	AMP		L FACILITY	Name/No	RECEIVING AREA	
Address 6601 Hobbs Hv	acility / NM1-006 vy US 62 / 180 Mile Marker 6 SS TAKEN? (Circle One)	6 Carlsbad, NM 88220 YES NO	Phone No.	575-392-6368 g > 50 micro roentgent	ts? (Circle One) YES	NO
	TER TEST? (Circle One)	YES NO	OTTOMS	a - vo mare rountgen	TES	
1st Guage Feet 2nd Guage Received	Inc	ches Ches		N/BBLS Received Free Water Total Received	8S&W (9	6)
I hereby certify that the above load mat	erial has been (circle one):	ACCEPTED	DENIED A	If denied, why?	Kon	



(PLEASE PRINT)

REQUIRED INFORMATION

	ion	Company N	Compa
Name		lame	Name

		GEN	ERATOR		NO. HW- 722	3332
ienerator Manifest #			Location of Origin	Musican In	487	
Generator Name			Lease/Well Name & No.	Ber Holland	5 75	
Address			County	ZP417 343570	LIND Y	
			API No.	d-1176/9100		
City, State, Zip			Rig Name & No.	30-0/8-3	9973	
1.2010 1.000	(FMPT F&P Wasta/Sa	ervice Identification and Amou	AFE/PO No.	ante time la bassala		
Oil Based Muds	NI NI	ON-INJECTABLE WATERS	in (place volume next to v	OTHER EXEMP	T E&P WASTE STREAMS	September 1
Dil Based Cuttings	W	(ashout Water (Non-Injectable) completion Fluid/Flow Back (Non-In				
Water Based Cuttings Produced Formation Solids	Pro	oduced Water (Non-Injectable)		- P.W		
Tank Bottoms		athering Line Water/Waste (Non-I	njectable)	TOD COULD CA	(IO) P	
E&P Contaminated Soil		uck Washout (exempt waste)	YES NO	TOP SOIL & CAI	TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	☐ DRILLING	COMPLETION	☐ PRODUCT		GATHERING LINES	CALICIE
			Service Identification and Ar		OATTENING LINES	
Alin	on-exempt E&P waste m	nust be analysed and be below thr	eshold limits for toxicity (TC)	nount LP), Ignitability, Corrosiv	vity adn Reactivity.	
Non-Exempt Other			*please sei	lect from Non-Exemp	t Waste List on back	
DISPOSAL QUANTITY		B - BARRELS	L - LIQUID	Y - YARDS	F-1	EACH
hereby certify that the above listed ma	sterial(s), is (are) not haz	ardous waste as defined by 40 CFI	R Part 261 or any applicable	state law. That each wa		
ackaged, and is in proper condition for RCRA EXEMPT:	transportation according	g to applicable regulation.				
HONA EXCIVIFI.	per load basis only)	rated from oil and gas exploration	and production operation an	nd are not mixed with no	on-exempt waste (R360 Accep	ts certifications of
	THE RESIDENCE OF THE PARTY OF T	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	road the minimum etandard	e for waeto hazardoue h	ne characteristics setablished !	n RCRA regulation
RCRA NON-EXEMPT:	Oil field waste which	is non-hazardous that does not ex	vegen ris miniminum standard	2 IOI MOSTO HOTOLOGIS F	/y characteristics established r	
BCRA NON-EXEMPT:	40 CFR 201.21-201.24	is non-hazardous that does not ex	fined by 40 CFR, part 261, su	bpart D, as amended. The	he following documentation de	emonstrating the
RCRA NON-EXEMPT:	40 CFR 201.21-201.24	 or listed hazardous waste as de- ous is attached. (Check the approp 	fined by 40 CFR, part 261, su priate items as provided)	bpart D, as amended. The	he following documentation de	emonstrating the
☐ RCRA NON-EXEMPT:	waste as non-hazardo MSDS Information Emergency non-hazar	ous is attached. (Check the approp	nned by 40 CFR, part 261, su vriate items as provided) A Hazardous Waste Analysis been ordered by the Departm	bpart D, as amended. Th	he following documentation do Other (Provide Description	emonstrating the on Below)
	waste as non-hazardo MSDS Information Emergency non-hazar	 or listed hazardous waste as de- ous is attached. (Check the approp 	nned by 40 CFR, part 261, su vriate items as provided) A Hazardous Waste Analysis been ordered by the Departm	bpart D, as amended. Th	he following documentation do Other (Provide Description	emonstrating the on Below)
	waste as non-hazardo MSDS Information Emergency non-hazardotermination and a co	ous is attached. (Check the approp RCRA rdous, non-oilfield waste that has description of the waste must acco	tined by 40 GFR, part 261, su priate items as provided) A Hazardous Waste Analysis been ordered by the Departm pmpany this form)	bpart D, as amended. Th	he following documentation do Other (Provide Description order, documentation of non	emonstrating the in Below)
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED	waste as non-hazardo MSDS Information Emergency non-hazardotermination and a co	ous is attached. (Check the approp	tined by 40 GFR, part 261, su priate items as provided) A Hazardous Waste Analysis been ordered by the Departin ompany this form)	bpart D, as amended. Th	he following documentation do Other (Provide Description	emonstrating the on Below)
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED ansporter's	waste as non-hazardo MSDS Information Emergency non-hazardotermination and a co	ous is attached. (Check the approp	tined by 40 GFR, part 261, su priate items as provided) A Hazardous Waste Analysis been ordered by the Departm ompany this form) DATE SPORTER	bpart D, as amended. Th	he following documentation do Other (Provide Description order, documentation of non	emonstrating the on Below)
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED	waste as non-hazardo MSDS Information Emergency non-hazardotermination and a co	ous is attached. (Check the approp	nned by 40 GFR, part 261, su priate items as provided) A Hazardous Waste Analysis been ordered by the Departm ompany this form) DATE Driver's Name	bpart D, as amended. Th	he following documentation do Other (Provide Description order, documentation of non	emonstrating the on Below)
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED ansporter's ame	waste as non-hazardo MSDS Information Emergency non-hazardotermination and a co	ous is attached. (Check the approp	nned by 40 GFR, part 261, su priate items as provided) A Hazardous Waste Analysis been ordered by the Departm ompany this form) DATE SPORTER Driver's Name Print Name	bpart D, as amended. Th	he following documentation do Other (Provide Description order, documentation of non	emonstrating the on Below)
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED ansporter's ame ddress	waste as non-hazardo MSDS Information Emergency non-hazardotermination and a co	ous is attached. (Check the approp	nned by 40 CFR, part 251, su priate items as provided) A Hazardous Waste Analysis been ordered by the Departm pmpany this form) DATE SPORTER Driver's Name Print Name Phone No.	bpart D, as amended. Th	he following documentation do Other (Provide Description order, documentation of non	emonstrating the on Below)
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED cansporter's ame ddress hone No. ansporter Ticket #	waste as non-hazardo MSDS Information Emergency non-hazard determination and a co	ous is attached. (Check the approp	priate items as provided) A Hazardous Waste Analysis been ordered by the Departmompany this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No.	ppart D, as amended. The	he following documentation de Other (Provide Description Be order, documentation of non SIGNATURE	emonstrating the on Below)
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED ansporter's ame ddress anne No. ansporter Ticket # hereby certify that the above named m	waste as non-hazardo MSDS Information Emergency non-hazard determination and a co	red up at the Generator's site lister	priate items as provided) A Hazardous Waste Analysis been ordered by the Departmompany this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without	ppart D, as amended. The nent of Public Safety (the	Definition of the provided Description of the provided Des	emonstrating the on Below)
CPRINT) AUTHORIZED Tansporter's ame ddress hone No. Tansporter Ticket #	waste as non-hazardo MSDS Information Emergency non-hazard determination and a co	TRANS TRANS TRANS	priate items as provided) A Hazardous Waste Analysis been ordered by the Department of the Department	ppart D, as amended. The nent of Public Safety (the	Depression of the provide Description of the Description of the Order, documentation of non- Signature Sal facility listed below. DRIVER'S SIGNATURE	emonstrating the on Below)
EMERGENCY NON-OILFIELD OPRINT) AUTHORIZED ansporter's ame ddress none No. ansporter Ticket # hereby certify that the above named m SHIPMENT DATE TRUCK TIME STA	waste as non-hazardo MSDS Information Emergency non-hazard determination and a co	TRANS TRANS TRANS	priate items as provided) A Hazardous Waste Analysis been ordered by the Departmompany this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without	ppart D, as amended. The nent of Public Safety (the nent of Public Safety (the nent of Public Safety (the nent of Public Safety) (the nent of	Definition of the provided Description of the provided Des	emonstrating the on Below)
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CPRINT) AUTHORIZED Tansporter's ame ddress conne No. Tansporter Ticket # Thereby certify that the above named management of the connection of the co	waste as non-hazardo MSDS Information Emergency non-hazard determination and a co	TRANS TRANS TRANS	A Hazardous Waste Analysis been ordered by the Department of the D	ppart D, as amended. The nent of Public Safety (the nent of Public Safety (the nent of Public Safety (the nent of Public Safety) (the nent of	Depression of the provide Description of the Description of the Order, documentation of non- Signature Sal facility listed below. DRIVER'S SIGNATURE	emonstrating the on Below)
CPRINT) AUTHORIZED Tansporter's ame ddress anno No. Tansporter Ticket # Thereby certify that the above named more by certification that the above named more by certificatio	waste as non-hazardo MSDS Information Emergency non-hazard determination and a co AGENTS SIGNATURE DRIVEN AMP Cility / NM1-006	TRANS TRANS TRANS TRANS TRANS TRANS	A Hazardous Waste Analysis been ordered by the Department of the D	ppart D, as amended. The nent of Public Safety (the nent of Public Safety (the nent of Public Safety (the nent of Public Safety) (the nent of	Depression of the provide Description of the Description of the Order, documentation of non- Signature Sal facility listed below. DRIVER'S SIGNATURE	emonstrating the on Below)
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CPRINT) AUTHORIZED (PRINT) AUTHORIZED Tansporter's arme ddress anne ddress ansporter Ticket #	waste as non-hazardo MSDS Information Emergency non-hazardo determination and a content of the c	TRANS	A Hazardous Waste Analysis been ordered by the Department of the D	ut incident to the dispos Name/No	Depreciation of the control of the c	emonstrating the on Below)
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EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED Tansporter's ame and didess and didess and didess and didess and didess and didess. TRUCK TIME STATE TRUCK TIME STATE TRUCK TIME STATE TRUCK TIME STATE Address Addre	waste as non-hazardo MSDS Information Emergency non-hazardo determination and a content of the c	TRANS	priate items as provided) A Hazardous Waste Analysis been ordered by the Department of the Department	ut incident to the dispos Name/No	Department of the content of the con	emonstrating the on Below) -hazardous waste
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED ransporter's ame address and a control of the contro	waste as non-hazardo MSDS Information Emergency non-hazardo determination and a content of the c	TRANS	DATE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without OBLIVERY DATE AL FACILITY Phone No. If YES, was reading:	ut incident to the dispos Name/No	Departmentation of the control of th	emonstrating the on Below) -hazardous waste
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED Tansporter's arme ddress anne ddress anne none No. Tansporter Ticket #	waste as non-hazardo MSDS Information Emergency non-hazardo determination and a content of the c	TRANS	DATE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without OBLIVERY DATE AL FACILITY Phone No. If YES, was reading:	nent of Public Safety (the nent of Public Safety	Department of the content of the con	emonstrating the on Below) -hazardous waste
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED ransporter's ame address and a control of the contro	waste as non-hazardo MSDS Information Emergency non-hazardo determination and a content of the c	TRANS	DATE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without OBLIVERY DATE AL FACILITY Phone No. If YES, was reading:	bpart D, as amended. The nent of Public Safety (the nent of Public Safety (Departmentation of the control of th	emonstrating the on Below) -hazardous waste
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED Tansporter's arme ddress anne ddress anne none No. Tansporter Ticket #	waste as non-hazardo MSDS Information Emergency non-hazardo determination and a co AGENTS SIGNATURE DRIVER AMP Cility / NM1-006 N US 62 / 180 Mile Mark S TAKEN? (Circle One TER TEST? (Circle One	TRANS	A Hazardous Waste Analysis been ordered by the Departmompany this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without the Collivery DATE AL FACILITY Phone No. If YES, was reading a BS&W/	nent of Public Safety (the nent of Public Safety	Departmentation of the control of th	emonstrating the on Below) -hazardous waste
EMERGENCY NON-OILFIELD (PRINT) AUTHORIZED Tansporter's ame and didress and d	waste as non-hazardo MSDS Information Emergency non-hazardo determination and a co AGENTS SIGNATURE DRIVER AMP Cility / NM1-006 N US 62 / 180 Mile Mark S TAKEN? (Circle One TER TEST? (Circle One	TRANS	A Hazardous Waste Analysis been ordered by the Departmompany this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without the Collivery DATE AL FACILITY Phone No. If YES, was reading a BS&W/	nent of Public Safety (the saf	Departmentation of the control of th	emonstrating the on Below) -hazardous waste



Company Man Contact Info	mation
Name Kent Ket	2

ENVIRONMENTAL SOCUTIONS	(P	LEASE PRINT) *REQUIRE	O INFORMATION*	Phone No	
V	GE	NERATOR	, NO.	HW- 703803	7
Senerator Manifest #Senerator Name	1.0	Location of Origin Lease/Well Name & No. County API No.	HVA IN	7	7.
City, State, Zip	ার্ম	Rig Name & No. AFE/PO No.	03C155853 APP 242012	1208 - 1131018)	100
EXEMPT	E&P Waste/Service Identification and An	nount (place volume next to waste	type in barrels or cubic	yards)	
Oil Based Muds Dil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms	NON-INJECTABLE WATERS Washout Water (Non-Injectable Completion Fluid/Flow Back (No Produced Water (Non-Injectable Gathering Line Water/Waste (N INTERNAL USE ONLY	on-Injectable)	OTHER EXEMPT E&P WA	Telephone (Inches)	
E&P Contaminated Soil Gas Plant Waste	Truck Washout (exempt waste)	YES NO	QUANTITY QUANTITY	TOP SOIL CALICHE	
WASTE GENERATION PROCESS: [ORILLING COMPLETIC			RING LINES	
All non-exe	NON-EXEMPT E&P Warmpt E&P waste must be analysed and be balow	aste/Service Identification and Amount	nitability Corrections win Ba	verticitie	
Non-Exempt Other			rom Non-Exempt Waste i		
DISPOSAL QUANTITY	B - BARRELS	L-LIQUID 20	Y - YARDS	E - EACH	
■ EMERGENCY NON-OILFIELD Emedete	ergency non-hazardous, non-oilfield waste that ermination and a description of the waste must	is defined by 40 CFR, part 261, subpart propriate items as provided) ICRA Hazardous Waste Analysis has been ordered by the Department of accompany this form)	D, as amended. The follows Other of Public Safety (the order, d	ng documentation demonstrating er (Provide Description Below) ocumentation of non-hazardous w	the
(PRINT) AUTHORIZED AGENTS		DATE .	SIGNATUR	E	_
ransporter's SCPA Jame SCPA Address hone No. 472 ransporter Ticket #	-209-427U	NSPORTER Driver's Name Print Name Phone No. Truck No.	Gilbert.	HARREL	
nereby certify that the above named material	(s) was/were picked up at the Generator's site	listed above and delivered without inc	ident to the disposal facility	fisted below	
SHPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE	- 6	DRIVER'S SIGNATURE	_
TRUCK TIME STAMP IN:OUT:	DISPO	SAL FACILITY	RECEIN Name/No.	/ING AREA	
ite Name/ ermit No. ddress Halfway Facility 6601 Hobbs Hwy US 6 NORM READINGS TAK PASS THE PAINT FILTER TE	S2/180 Mile Marker 66 Carlsbad, NM 88220 EEN? (Circle One) YES NO	Phone No. 575 If YES, was reading > 50	-392-6368	One) YES NO	
		BOTTOMS			
st Guage Feet	Inches	BS&W/BBLS	S Received I	BS&W (%)	
nd Guage eceived		F	ree Water	000,11,01	
and the second s			I Received		

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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information Name Kent Retz Phone No._

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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

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Company	Man	Contact	Information	
Name/	581	17 9	Porto	

- 894				
149	100	200	MI	-
P	жи	165	170	u

		GENE	RATOR		No. HW- 70	38009
Generator Manifest #			Location of Orig	jin		00000
Generator Name			Lease/Well Name & No.	disolo	0 DT ES	- 4
Address			County ///	POUT SINFRS	990136703	
City State 7:-			API No.	30-06	-34473	No.
City, State, Zip Phone No.			Rig Name & No	1361810	10/	
The state of the s	MPT E&P Waste/Service Id	entification and Amount	AFE/PO No.	3/11/2	4 30 425	
Oli pased Minds	NON-INJE	CTABLE WATERS	thiage volume next		S OF CUDIC YARDS). MPT E&P WASTE STREAMS	
Oil Based Cuttings Water Based Muds	Washout V	Vater (Non-Injectable) n Fluid/Flow Back (Non-Injec	rablet -		The second of the second	
Water Based Cuttings Produced Formation Solids	Produced V	Vater (Non-Injectable)	A1000000 54	_ B	Dy Down T	
Tank Bottoms E&P Contaminated Soil	Gathering I INTERNAL	Line Water/Waste (Non-Inje	ectable)	TOWONE S. P.	A LINE WALES	
Gas Plant Waste	The state of the s	nout (exempt waste)	YES	NO QUANTITY	ALICHE SALES TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION		DUCTION	GATHERING LINES	CALIGHE
	N	UN-EXEMPT E&P Waste/Se				
Non-Exempt Other	exempt E&P waste must be a	nalysed and be below thres	hold limits for toxicity	(TCLP), Ignitability, Corros		
			*pleas	e select from Non-Exem	pt Waste List on back	
DISPOSAL QUANTITY	B - BARR		L-LIQUID	90 CY-YARD	S E	- EACH
I hereby certify that the above listed mate packaged, and is in proper condition for tr	rial(s), is (are) not hazardous w	aste as defined by 40 CFR P	art 261 or any applica	able state law. That each v	vaste has been properly descri	bed, classified and
	Oil field wastes generated from per load basis only)	seem redescribit				
	STATE OF THE PERSON OF THE PER					
	Oil field waste which is non-ha 40 CFR 261.21-261.24, or lister waste as non-hazardous is att			dards for waste hazardous	by characteristics established	in RCRA regulations,
Table 1	waste as non-hazardous is atta MSDS Information	same tement are obbiobile	re treiting as brownern		The following documentation (demonstrating the
	Alle he was protected and our		azardous Waste Anal		Other (Provide Descript	on Below)
	Emergency non-hazardous, nor determination and a description	n of the waste must accom-	en ordered by the Dep pany this form)	artment of Public Safety (1	he order, documentation of no	n-hazardous waste
(000M) HOLDSON AND	71170 C-04119-10-1		A CONTRACTOR OF STREET			
(PRINT) AUTHORIZED AG	ENTS SIGNATURE	DAI	Mary Street of Street or Street or Street		SIGNATURE	
Transporter's	eviller	TRANSF	ORTER			
Name	S FINES		Driver's Name	- Testsen	Thressea	
Phone No.			Print Name Phone No.	*		
Transporter Ticket #	and the same of th		Truck No	45		
hereby certify that the above named mate	erial(s) was/were picked up at I	the Generator's site listed at	bove and delivered w	thout incident to the dispo	osal facility listed below.	
SHIPMENT DATE	DRIVER'S SIGNATUR		DELIVERY DA		Charles .	
TRUCK TIME STAN	MP I	DISPOSAL			DECENTAL ADDA	
IN: OUT:		DIOI OUNL	MULLIT	Nome /No	RECEIVING AREA	
Site Name/				Name/No	25	
Permit No. Halfway Faci			Phone No.	575-392-6368		
	IS 62 / 180 Mile Marker 66 Ca	rishad, NM 88220		Ez-ti-		
NORM READINGS T			If YES, was readi	ng > 50 micro roentgent	ts? (Circle One) YES	NO
PASS THE PAINT FILTER	TEST? (Circle One) YES	NO NO				
1000		TANK BO	TTOMS			
st Guage Feet	Inches		Boo	W/BBLS Received		
nd Guage			130	Free Water	BS&W (%	
eceived				Total Received		
hereby certify that the above load material	has been (circle one).	ACCEPTED DI	ENIED	If denied, why?		
NAME (PRINT)		1.36.55	WAS	COLUMN TARREST	NES	
TANNE (PRINT)		DAYE	TITLE	-		The second secon



(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information Name Kent Petz Phone No._

		GENE	RATOR	No.H\	N- 720060
Generator Manifest #			Location of Origin	存Avalon UT 6	57
Generator Name	го		Lease/Well Name & No.	Pro. #03C1558535	
Address			County	MARP 2420136803	
City, State, Zip			API No. Rig Name & No.	30-015-24473	
Phone No.			AFE/PO No.	30 002 51170	
	XEMPT E&P Waste/Service	Identification and Amount	(place volume next to wa	aste type in barrels or cubic yard	s)
Oil Based Muds Oil Based Cuttings		JECTABLE WATERS ut Water (Non-Injectable)		OTHER EXEMPT E&P WASTE	STREAMS
Water Based Muds Water Based Cuttings	Comple	tion Fluid/Flow Back (Non-Inje	ctable)		
Produced Formation Solids Tank Bottoms	Gatheri	ed Water (Non-Injectable) ng Line Water/Waste (Non-Inje	ectable)	- Belly dump	
E&P Contaminated Soil	La Company	IAL USE ONLY		TOP SOIL & CALICHE SALES	
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING	/ashout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICHE
WASTE GENERATION PROCESS.	☐ DHILLING	COMPLETION	☐ PRODUCTIO		LINES
All	non-exempt E&P waste must b	NON-EXEMPT E&P Waste/Si e analysed and be below thres	ervice Identification and Amo shold limits for toxicity (TCLP	ount '), Ignitability, Corrosivity adn Reactiv	rity.
Non-Exempt Other				ct from Non-Exempt Waste List o	
DISPOSAL QUANTITY	B - B/	ARRELS	L - LIQUID (QO (Y-YARDS	E - EACH
I hereby certify that the above listed n	naterial(s), is (are) not hazardou	is waste as defined by 40 CFR	Part 261 or any applicable st	ate law. That each waste has been p	properly described, classified and
packaged, and is in proper condition for RCRA EXEMPT:	or transportation according to a	ipplicable regulation.		are not mixed with non-exempt was	
D page you pursuar	bai inan nasis niliki				
RCRA NON-EXEMPT:	40 CFR 201.21-201.24, 0FT	isteo nazardous waste as defin	ied by 40 CFR, nart 761, subr	for waste hazardous by characteristi part D, as amended. The following do	cs established in RCRA regulations,
	waste as non-hazardous is MSDS Information	attached. (Check the appropri	ate items as provided)	200	
☐ EMERGENCY NON-OILFIELD	Manager & Manager Col Hill		Hazardous Waste Analysis	ont of Public Safety (the order, docum	ovide Description Below)
100	determination and a descri	ption of the waste must accord	npany this form)	and or number Salety (the order, docum	entation of non-nazardous waste
(PRINT) AUTHORIZI	D AGENTS SIGNATURE	- 0	ATE	Constance	
		V	PORTER	SIGNATURE	
Transporter's Sew	Tex May	Intrino	Driver's Name	Camelia	
Address			Print Name	CSARCINO	
Phone No. Transporter Ticket #		-	Phone No.	90 03	
I hereby certify that the above named	material(s) was/were nicked or	at the Generator's site listed	Truck No.	92 03	ACT)
			1 - 29-35	incident to the disposal facility liste	d below.
SHIPMENT DATE	DRIVER'S SIGN	AND DESCRIPTION OF THE PERSON NAMED IN	DELIVERY DATE	DRIVE	A'S SIGNATURE
TRUCK TIME S		DISPOSAL	FACILITY	RECEIVING	AREA 1 95
IN: OU	E			Name/No	
Site Name/ Permit No. Halfway F	acility / NM1-006		Phone No. 5	75-392-6368	
Address 6601 Hobbs H	wy US 62 / 180 Mile Marker 6	6 Carlsbad, NM 88220	Thomas Tu.		
		YES (NO)	If YES, was reading >	50 micro roentgents? (Circle One	e) YES NO
PASS THE PAINT FI	LTER TEST? (Circle One)	YES NO		A STATE OF THE STA	D 198500 90000
		TANK BO	OTTOMS		
1st Guage Feet	Ind	hes	BS&W/B	BLS Received	BS&W (%)
2nd Guage				Free Water	55011 (79)
Received			I	otal Received	
hereby certify that the above load ma	terial has been (circle one):	ACCEPTED	DENIED If d	enied, why?	3
NAME (PRINT)	1	DATE _	TIME	- X(C)	GNATURE
	(A)			21	annualite

SIGNATURE

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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company	Man	Contact Information
Name =	*	245

The state of the s			P	hone No
Generator Manifest #	G	ENERATOR Legation of Original	NO.	W- 722336
Generator Name		Lease/Well	Water Dr. 837	
Address			19, 4030559635	
		County API No.	Mar Administra	
City, State, Zip		Rig Name & No.	50-015-04473	
Phone No.		— AFE/PO No. —		
Oil Based Muds EXEMPT E&P W	aste/Service Identification and A	mount (place volume next to wast	e type in barrels or cubic yar	ds)
Oil Based Cuttings	NON-INJECTABLE WATERS Washout Water (Non-Injectable)		OTHER EXEMPT E&P WAST	E STREAMS
Water Based Muds Water Based Cuttings	 Completion Fluid/Flow Back (N 	(on-Injectable)		
Produced Formation Solids	 Produced Water (Non-Injectable) Gathering Line Water/Waste (I 	le)	D. J. J.	
Tank Bottoms E&P Contaminated Soil	INTERNAL USE ONLY	ton injectable)	TOP SOIL & CALICHE SALES	
Gas Plant Waste	Truck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICHE
WASTE GENERATION PROCESS: DRI	LLING COMPLETION	ON PRODUCTION	GATHERIN	The second secon
24.00.000.00.00.202	NON-EXEMPT E&P W	aste/Service Identification and Amoun	-	
All non-exempt E&P Non-Exempt Other	waste must be analysed and be belo	w threshold limits for toxicity (TCLP), I	pnitability, Corrosivity adn React	
		*please select	from Non-Exempt Waste List	on back
DISPOSAL QUANTITY	B - BARRELS	L-LIQUID	Y-YARDS	E - EACH
A CONTRACTOR OF THE CONTRACTOR	es generated from oil and gas explore s only)	ation and production operation and are	onot mixed with non-exempt wa	iste (R360 Accepts certifications on a
waste as non MSDS Inform EMERGENCY NON-OILFIELD Emergency no	-hazardous is attached. (Check the apation	RCRA Hazardous Waste Analysis	Other (P)	ocumentation demonstrating the
(PRINT) AUTHORIZED AGENTS SIGNATURE	3	DATE	SIGNATURE	
ransporter's	TRA	NSPORTER		
lameMes	(Driver's Name	acuel o	
hone No.		Print Name		
ransporter Ticket #		Phone No.		
hereby certify that the above named material(s) was/w	pro nicked up at the Consessor and all a	Truck No.	5	
The second secon	the bieven ab at the delictator 2 200 i	nisted above and delivered without inc	ident to the disposal facility liste	d below.
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE	DRIVE	R'S SIGNATURE
TRUCK TIME STAMP IN: OUT:	DISPO	SAL FACILITY	RECEIVING Name/No.	GAREA 28
te Name/ ermit No. Halfway Facility / NM1 ddress 6601 Hobbs Hwy US 62 / 180 Mi	-006 le Marker 66 Carlsbad, NM 88220	- Phone No. <u>575</u> -	392-6368	
NORM READINGS TAKEN? (Circ PASS THE PAINT FILTER TEST? (Circ	le One) YES NO	If YES, was reading > 50 r	nicro roentgents? (Circle One	YES NO
Feet		BOTTOMS		
t Guage	Inches	BS&W/BBLS	Received	DCS/M/(D/)
d Guage			ree Water	BS&W (%)
ceived			Received	
ereby certify that the above load material has been (cin	cle one): ACCEPTED	DENIED If denie	d, why?	
MALE INDICATE		7 12/41	() () ALL	



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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company	Man Cont	act Informa	tion
Name	Kanit	Roll	Z

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Received by OCD: 4/19/2025 12:00:13 AM

· · · · · · · · · · · · · · · · · · ·	TA		GENERATO			NO. HW	-703	7328
Generator Manifest #				ion of Origin	1	7 (-4 2	Page 15	
Generator NameAddress			100000000000000000000000000000000000000	& No	va lon	010	57	
Audiess			Count	100	Pi 21-6	185X8	072	
City, State, Zip			100 pm	ame & No.	North	APPSIL	901765	203
Phone No.			AFE/F	O No	CC+119	361810	01	
Oil Based Muds	MPT E&P Waste/Se	rvice Identification an	nd Amount (place vo	lume next to waste t	type in barrels	or cubic yards)		Marie Contract
Oil Based Cuttings	Date:	IN-INJECTABLE WATER ashout Water (Non-Injec			OTHER EXEMP	T E&P WASTES	TREAMS	NZ - TO
Water Based Muds Water Based Cuttings	Co	mpletion Fluid/Flow Bad	k (Non-Injectable)					
Produced Formation Solids Tank Bottoms		oduced Water (Non-Injer thering Line Water/Was			Re	14 0	U MED	
E&P Contaminated Soil	The state of the s	TERNAL USE ONLY	West of the last		TOP SOIL & CA	STREET, SQUARE, SQUARE	TAN DEPART	
Gas Plant Waste	The same of the sa	ick Washout (exempt wa		(ND)	QUANTITY		TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPL	ETION	PRODUCTION		GATHERING L	LINES	
All no	n-everant F&P waste n	NON-EXEMPT E8	P Waste/Service Iden	tification and Amount	A Vita di			
Non-Exempt Other	T average also average a	ust be analysed and be	DEIOW DIVESTIGNED HITTIES	*please select fro				
DISPOSAL QUANTITY		B - BARRELS	L - LIQUII		Y-YARDS	220	E-E	ACH
hereby certify that the above listed mat packaged, and is in proper condition for	erial(s), is (are) not haz	ardous waste as defined	by 40 CFR Part 261 or	any applicable state la	w. That each wa	aste has been pro	perly describe	d, classified and
RCRA EXEMPT:	remeper taxion docordin	ated from oil and gas ex	41.					
	per ruad basis urily)							
RCRA NON-EXEMPT:	Oil field waste which 40 CFR 261.21-261.24	is non-hazardous that do , or listed hazardous wa	oes not exceed the mileste as defined by 40 C	nimum standards for wi	este hazardous b	y characteristics	established in	RCRA regulations,
_	Assess do manasocolos	os is attached, (check ti	ne appropriate items a	s provided)	, as allended. I			
☐ EMERGENCY NON-OILFIELD	MSDS Information		RCRA Hazardous	AND THE RESIDENCE OF THE PARTY			ide Description	
	determination and a d	dous, non-oilfield waste escription of the waste	that has been ordered must accompany this	l by the Department of I form)	Public Safety (th	e order, documen	itation of non-h	nazardous waste
	W Constitution							
(PRINT) AUTHORIZED A	GENTS SIGNATURE		DATE			SIGNATURE		
fransporter's	1711	T	RANSPORT	ER				
Name <u>Jenn</u> (ex Mes			s Name	Carny	Roll	WPF	
Phone No.			Print N	519/04	- 1			
Fransporter Ticket #			Phone Truck I	(CVC)	39			
hereby certify that the above named ma	terial(s) was/were pick	ed up at the Generator's	site listed above and	delivered without incide	ent to the dispos	al facility listed h	helow	
SHIPMENT DATE		SIGNATURE		DA- 32	120	els V	here	
TRUCK TIME STA			OCAL FACE	DELIVERY DATE		-	SIGNATURE	
IN:OUT:	IVII	DISI	POSAL FACI	172	lame/No.	RECEIVING	AREA	
lite Name/				[1	varrie/140		9	
ermit No. Halfway Fac	ility / NM1-006		Phone	No. <u>575-3</u>	92-6368			
		er 66 Carlsbad, NM 882	220					
	TAKEN? (Circle One)		If YES,	was reading > 50 mi	icro roentgents	? (Circle One)	YES	NO
PASS THE PAINT FILTE	R TES1? (Circle One)	YES NO	J.		1			
Feet			NK BOTTOI	VIS	1	1		
st Guage		Inches		BS&W/BBLS F	Received	1	BS&W (%)	
nd Guage eceived				Fre	e Water	1	1101	1
And the second second		1.1		Total F	Received		1	
hereby certify that the above load materi	al has been (circle one	ACCEPTED	DENIED	If denied,	, why?		11	
4714711	1111	11011		111111	2	11		

Phone No.



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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Info	ormation
Name Kent Ke	otz

	1+1	GEN	IERATOR		NO. HW- 7037329
Generator Manifest #			Location of Origin _		1001025
Generator Name			Lease/Well Name & No.	Avalon	UT 657
Address			County P. Z	pertoon	101558535
City, State, Zip			API No. Rig Name & No.	4)P; - 30	1014-79972
Phone No.			AFE/PO No	CC: 11	26121001
Oil Based Muds	EXEMPT E&P Waste	Service Identification and Amo	unt (place volume next to was	te type in barrels	or cubic yards)
Oil Based Cuttings		NON-INJECTABLE WATERS: Washout Water (Non-Injectable)		OTHER EXEM	Y E&P WASTE STREAMS
Water Based Muds Water Based Cuttings		Completion Fluid/Flow Back (Non- Produced Water (Non-Injectable)	injectable)	6	
Produced Formation Solids Tank Bottoms		Gathering Line Water/Waste (Non	-Injectable)	B	elly Duma
E&P Contaminated Soil Gas Plant Waste	V	INTERNAL USE ONLY Truck Washout (exempt waste)		TOP SOIL & CA	LICHE SALES
WASTE GENERATION PROCESS	DRILLING	The second secon	YES NO PRODUCTION	QUANTITY	TOP SOIL CALICHE
		-			GATHERING LINES
Man Carrest Oct	Il non-exempt E&P wast	must be analysed and be below to	Service Identification and Amounteshold limits for toxicity (TCLP).	nt Ignitability, Corrosiv	ity adn Reactivity.
reval-exempt other					t Waste List on back
DISPOSAL QUANTITY		B - BARRELS	L - LIQUID	Y - YARDS	90 E-EACH
I hereby certify that the above listed packaged, and is in proper condition	material(s), is (are) not I for transportation accor-	azardous waste as defined by 40 C	FR Part 261 or any applicable stat	e law. That each wa	aste has been properly described, classified and
RCRA EXEMPT:	Oil field wastes go	nerated from oil and gas exploratio			on-exempt waste (R360 Accepts certifications or
RCRA NON-EXEMPT:	The state of the s	No.			
		.24, or listed hazardous waste as di rdous is attached. (Check the appro		t D, as amended. To	y characteristics established in RCRA regulation he following documentation demonstrating the
	MSDS Information	come in attention tomoun the applica	A Hazardous Waste Analysis		Other (Provide Description Below)
EMERGENCY NON-OILFIELD	Emergency non-ha	rardous, non-oilfield waste that has	been ordered by the Department	of Public Safety (th	e order, documentation of non-hazardous waste
		a description of the waste must acc	company this form)		
(PRINT) AUTHOR	ZED AGENTS SIGNATURE		DATE		SIGNATURE
Transporter's	+ VII-	TRAN	SPORTER		0
Vame	TENAME	X	Driver's Name	COLIN	y Keiner
hone No.			Print Name Phone No.		
ransporter Ticket #			Truck No.	39	
hereby certify that the above named	material(s) was/were p	cked up at the Generator's site liste	ed above and delivered without in	cident to the dispos	al facility listed below.
SHIPMENT DATE	DBN	ER'S SIGNATURE	DELIVERY DATE	5 (21)	DRIVER'S SIGNATURE
TRUCK TIME S	TAMP	DISPOSA	AL FACILITY		RECEIVING AREA
CANADA CONTRACTOR CONT	IT:			Name/No	
ite Name/ ermit No. Halfway I	acility / NIVI1-006				
		arker 66 Carlsbad, NM 88220	Phone No. <u>575</u>	-392-6368	
NORM READIN	IGS TAKEN? (Circle Or	ne) YES NO	If YES, was reading > 50	micro roentgente	2 (Cirolo One) VEC NO
PASS THE PAINT F	ILTER TEST? (Circle Or	e) YES NO		more recitigents	? (Circle One) YES NO
4		TANK E	ROTTOMS		
st Guage Feat		Inches	BS&W/BBL	C December of	
nd Guage				ree Water	BS&W (%)
eceived				I Received	
nereby certify that the above load ma	iterial has been (circle o	ne): ACCEPTED	DENIED If deni	ed, why?	
NAME (PRINT)		DATE	TITLE		1111
of fo 97 28v4	White - R360 OR			WV EI:	ceived by OCD: 4/19/2025 12:00
	Willie - Noou UK	GINAL Yellow-TRANSPORTER	COPY Pink-GENERATOR ST	FPDDY BAN	DETIIDALTO PUNICOATON

Phone No.



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company	Man	Contact	Information	
Name	K	en/	Re7	

y =	T-/7	ENEKATOR	NO. HW-	724175
Generator Manifest #		Location of Origin	1000	A THE PARTY
Generator Name		Lease/Well Name & No.	Auglan UT 6	57
Address	A.	County P-N	COPT. 07615581	35
01.01.7		API No. 🔑	P\$130-015-24	173
City, State, Zip Phone No.		Rig Name & No. / Acc	COLLEGE TO THE	0146803
2 10 10 10 10 10 10 10 10 10 10 10 10 10	O.D. Wasta /Coming Identification and A	AFE/PO No	L LLISBARTOR	
Oil Based Muds	&P Waste/Service Identification and Al NON-INJECTABLE WATERS	mount (place volume next to waste	OTHER EXEMPT E&P WASTE STE	DEALIG
Oil Based Cuttings Water Based Muds	Washout Water (Non-Injectable	e)	CONTROL CARMINICAL WHOLE OU	IEANVIS
Water Based Cuttings	Completion Fluid/Flow Back (N Produced Water (Non-Injectable	on-Injectable}	15 10 E	V
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste (N	Non-Injectable)	Belly L	OMB
E&P Contaminated Soil	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
Gas Plant Waste	Truck Washout (exempt waste)			TOP SOIL CALICHE
WASTE GENERATION PROCESS:	DRILLING COMPLETION		GATHERING LII	VES
All pop every	NON EXEMPT E&P W	aste/Service Identification and Amount		
Non-Exempt Other	pt E&P waste must be analysed and be below		nitability, Corrosivity adn Reactivity. rom Non-Exempt Waste List on b	and the same of th
4		piease select ii	om won-exempt waste list on o	ack
DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	Y-YARDS 9 ()	E - EACH
I hereby certify that the above listed material(s), packaged, and is in proper condition for transpor	is (are) not hazardous waste as defined by 4	10 CFR Part 261 or any applicable state	law. That each waste has been prop	erly described, classified and
	reason according to applicable regulation. Id wastes generated from all and gas explorated basis sold.	ation and nonfuntion operation and are	not mixed with one arount weets (P200 Assesses seed Freedom
perior	du pasis only)			
RCRA NON-EXEMPT: Oil fie	ld waste which is non-hazardous that does n R 261.21-261.24, or listed hazardous waste a	not exceed the minimum standards for v	waste hazardous by characteristics e	stablished in RCRA regulations
Mq2f6	s as non-nazardous is attached. (Check the ap	ppropriate items as provided)	o, as amended. The following docur	nentation demonstrating the
		RCRA Hazardous Waste Analysis		e Description Below)
EMERGENCY NON-OILFIELD Emerg	gency non-hazardous, non-oilfield waste that mination and a description of the waste must	has been ordered by the Department of	f Public Safety (the order, document	ation of non-hazardous waste
GCC	imation and a description of the waste must	(accompany this form)		
(PRINT) AUTHORIZED AGENTS SI	IGNATURE	DATE	SIGNATURE	
Transmission of the same of th	TRA	NSPORTER		
Transporter's Sept Te	XMAX	Driver's Name	CALLIN Rei	Went
Address		Print Name	CHARLY MET	711 87
Phone No.		Phone No.		
Transporter Ticket #		Truck No.	34	
I hereby certify that the above named material(s)	was/were picked up at the Generator's site	listed above and delivered without inci	dent to the disposal facility listed be	low.
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE	DRIVER'S SI	CHATHOL
TRUCK TIME STAMP	DISPO	SAL FACILITY	RECEIVING A	
IN:OUT:	Dist 0			HEA OC
The same of the sa			Name/No	/-[-]
Site Name/ Permit No. Halfway Facility /	NM1-006	_ Phone No 575-	392-6368	
Address 6601 Hobbs Hwy US 62 /	/ 180 Mile Marker 66 Carlsbad, NM 88220	Frione (vo	002-0000	
NORM READINGS TAKEN	N? (Circle One) YES NO	If VEC was roading > 50 a	nicro roentgents? (Circle One)	VED NO
PASS THE PAINT FILTER TEST		ii 103, was readilig 2 30 fi	micro roentgents: (Circle One)	YES NO
		/ DOTTOMC		
Feet	Inches	(BOTTOMS		
1st Guage		BS&W/BBLS	Received	BS&W (%)
2nd Guage Received		100000000000000000000000000000000000000	ree Water	
		Total	Received	
I hereby certify that the above load material has b	been (circle one). ACCEPTED	DENIED If denie	d, why?	
22.4	1/27/25	× Mayor	Olen	-6
NAME (PRINT)	DATE	TITLE	SIGNAT	
79 Page 27 of 16	te - R360 ORIGINAL Yellow- TRANSPOR	RITER COPY Pink, GENERATOR SITE	0/2025 12:00:13 AM	eceived by OCD: 4/L



(PLEASE PRINT)

REQUIRED INFORMATION

Company	Man	Contact	Information
Name _	Con.	I A	ったと

Million.				
hone	No			
111	Aug	-		•

2	XTO	GENI	ERATOR	NO. HV	V- 724176
Generator Manifest #			Location of Origin	- W. SISI	
Generator Name			Name & No.	valor UT	657
Address			County P	ect-0361968	535
City, State, Zip			API No.	21-30-015-94	4415 X 454 2
Phone No.			Rig Name & No. /	C-11361810	01
	EXEMPT E&P Waste/	Service Identification and Amoun		type in harrels or cubic yard	
Oil Based Muds Oil Based Cuttings		NON-INJECTABLE WATERS		OTHER EXEMPT E&P WASTE	STREAMS
Water Based Muds		Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Inj	prtable)		
Water Based Cuttings Produced Formation Solids	-	Produced Water (Non-Injectable)		RIL	Λ
Tank Bottoms E&P Contaminated Soil		Gathering Line Water/Waste (Non-In INTERNAL USE ONLY	njectable)	TOP SOIL & CALICHE SALES	UUNT98
Gas Plant Waste		Truck Washout (exempt waste)	YES NO	QUANTITY QUALICHE SALES	TOP SOIL CALICHE
WASTE GENERATION PROC	CESS: DRILLING	COMPLETION	PRODUCTION	GATHERING	7.55 W. FORD
	WW TE TOWN	NON-EXEMPT E&P Waste/	Service Identification and Amount		
Non-Exempt Other	All non-exempt E&P waste	must be analysed and be below three	eshold limits for toxicity (TCLP), Ign		
				nm Non-Exempt Waste List o	n back
DISPOSAL QUANTITY		B - BARRELS	L - LIQUID	Y-YARDS 90	E - EACH
packaged, and is in proper cond RCRA EXEMPT: BCRA NON-EXEMPT:	Oil field wastes ger per load basis only	nerated from oil and gas exploration	and production operation and are n	ot mixed with non-exempt was	te (R360 Accepts certifications on a
☐ EMERGENCY NON-OILFI	waste as non-hazar	rdous is attached. (Check the appropriate RCRA	ned by 40 CFH, part 261, subpart D riate items as provided) Hazardous Waste Analysis	, as amended. The following do	cumentation demonstrating the wide Description Below)
		ardous, non-oilfield waste that has b a description of the waste must acco	mpany this form)	Public Safety (the order, docum	entation of non-hazardous waste
Transporter's	4- 11	TRANS	PORTER		
Name	uleXMP.	/	Driver's Name	Corny Rei	uel-
Address			Print Name		
Phone No. Transporter Ticket #			Phone No.	20	
TOTAL STATE OF THE	amed material(s) was/were ni	cked up at the Generator's site listed	Truck No.	NT COMPANY	_
			above and delivered without incid	ent to the disposal facility lister	below.
SHIPMENT DATE	The second secon	P'S SIGNATURE	DELIVERY DATE	DRIVER	S SIGNATURE
TRUCK TIN		DISPOSA	L FACILITY	RECEIVING	AREA
IN:	OUT:	_	1	lame/No.	
	ay Facility / NM1-006		Phone No. 575-3	92-6368	,
Address 6601 Ho	bbs Hwy US 62 / 180 Mile Ma	orker 66 Carlsbad, NM 88220	1110110110		
	ADINGS TAKEN? (Circle On NT FILTER TEST? (Circle On		If YES, was reading > 50 m	icro roentgents? (Circle One	YES NO
Ē	eet	TANK B	OTTOMS		
1st Guage		active tree	BS&W/BBLS F	Received	BS&W (%)
2nd Guage Received			Fre	e Water	
			Total f	Received	1
I hereby certify that the above lo	ed material has been (circle or	nel: ACCEPTED	DENIED If denied		
NAME (PRIN	111516	DATE	DENIED If denied	11111	NATURE

White - R360 ORIGINAL VALUE TRANSPORTER CODY OUR CEMEDATOR CITE CON

Phone No.



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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company	Man	Contact	Information
Name _	(P)	1 1	(eCZ

V-	+0	GENE	RATOR			NO.	N-724	177
Generator Manifest #	10	7 2 2	Location of Orig	jin				
Generator Name			Name & No.	4	valor	UTE	57	
Address			County	Raise	Pt-1136	15588	35	
City, State, Zip			API No. Rig Name & No	Jan J	desten	10094	20136 81	9-2
Phone No.			AFE/PO No.		C:113	61910	201	
Oil Based Muds	MPT E&P Waste/Service to	dentification and Amount	(place volume next	to waste ty				and the same of
Oil Based Cuttings Water Based Muds	Washout '	CTABLE WATERS Water (Non-Injectable)			OTHER EXEMP	FE&P WASTE	STREAMS	
Water Based Cuttings	Completion Produced	n Fluid/Flow Back (Non-Inje Water (Non-Injectable)	ctable)		15	1.	£0.	
Produced Formation Solids Tank Bottoms	Gathering	Line Water/Waste (Non-Inju USE ONLY	ectable)		150	2/1/1	Dung	0
E&P Contaminated Soil Gas Plant Waste	- Contraction of the last of t	shout (exempt waste)	YES	NO	TOP SOIL & CAL QUANTITY	ICHE SALES	TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION		OUCTION		GATHERING		CALIGHE
The second secon		NON-EXEMPT E&P Waste/S	ervice Identification ar	nd Amount				100
Non-Exempt Other	exempt E&P waste must be	analysed and be below thres	hold limits for toxicity	(TCLP), Ignit	ability, Corrosiv n Non-Exemp			
DISPOSAL QUANTITY	D Date	nes o		e select nui		vvaste List		
I hereby certify that the above listed mate	B - BAR	NAME OF TAXABLE PARTY.	L-LIQUID		Y - YARDS	20		EACH
RCRA EXEMPT: RCRA NON-EXEMPT:	onsportation according to app Dil field wastes generated from per load basis only) Dil field waste which is non- 40 CFR 261.21-261.24, or list waste as non-hazardous is at MSDS Information Emergency non-hazardous, no determination and a description	om oil and gas exploration at hazardous that does not exceed hazardous waste as defin tached. (Check the appropriation of RCRA Fon-oilfield waste that has be	nd production operation and the minimum stan ed by 40 CFR, part 26 ate items as provided) lazardous Waste Anal en ordered by the Dec	on and are no dards for wa 1. subpart D, lysis	ot mixed with no ste hazardous b as amended. Ti	on-exempt was y characterist ne following d	ste (R360 Acceptics established i ocumentation de rovide Descriptio	ts certifications on a n RCRA regulations, emonstrating the on Below)
(PRINT) AUTHORIZED AG	ENTS SIGNATURE		ME					
Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named mate	XMeX	TRANS	PORTER Driver's Name Print Name Phone No. Truck No.	vithout incide	of by		at below	
SHIPMENT DATE	DRIVER'S SIGNATI		DELIVERY D	- 25	ba	1	Yree	-
TRUCK TIME STAN	The second secon	-	FACILITY		ame/No	RECEIVIN	R'S SIGNATURE G AREA	
		S NO	Phone No. If YES, was read	3,000	92-6368 cro roentgents	? (Circle One	e) YES	NO
		TANK BO	TTOMS	7				
1st Guage 2nd Guage Received	Inches				eceived eceived		BS&W (%)	
hereby certify that the above load materia	l has been (circle one):	ACCEPTED I	DENIED	If denied,		1	ONATIBLE	

White - R360 ORIGINAL Yellow-TRANSPORTER COPY Pink-GENERATOR SITE COFY FOR THE THE TOTAL OF THE



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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company	Man	Contact	Information
Name 🗹	CAL	49	1017

Phone No.

		GENE	RATOR	1	No. HW- 703	8039
Generator Manifest # Generator Name Address	XII)	Location of Origin Lease/Well Name & No. County	UT	10N 1157	
City, State, ZipPhone No.			API No. Rig Name & No. AFE/PO No.	30-015- DIC 15525 VA-11-2421	35-113/2/2010 212/203	201
	XEMPT E&P Waste/Se	rvice Identification and Amount	(place volume next to was	ste type in barrels or	cubic yards)	
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	No.	ON-INJECTABLE WATERS ashout Water (Non-Injectable) impletion Fluid/Flow Back (Non-Injectable) duced Water (Non-Injectable) thering Line Water/Waste (Non-Injectable) IERNAL USE ONLY ick Washout (exempt waste)	table)	TOP SOIL & CALIC	E&P WASTE STREAMS	CALICHE
WASTE GENERATION PROCESS:	☐ DRILLING	COMPLETION	☐ PRODUCTIO	N De	SATHERING LINES	
All Non-Exempt Other	non-exempt E&P waste in	NON-EXEMPT E&P Waste/Se ust be analysed and be below thres	rvice Identification and Amo hold limits for toxicity (TCLP).	101	adn Reactivity.	ACRES OF THE PARTY
DISPOSAL QUANTITY		B - BARRELS	L-LIQUID 7	Y - YARDS)	6.6	ACH
I hereby certify that the above listed in packaged, and is in proper condition for RCRA EXEMPT: RCRA NON-EXEMPT: EMERGENCY NON-OILFIELD	Oil field wastes generated by the per load basis only) Oil field waste which 40 CFR 261.21-261.24 waste as non-hazardo MSDS Information Emergency non-hazard	ated from oil and gas exploration ar is non-hazardous that does not exce , or listed hazardous waste as defin us is attached. (Check the appropria	nd production operation and a seed the minimum standards for ed by 40 CFR, part 261, subpor- te items as provided) lazardous Waste Analysis en ordered by the Department	ore not mixed with non- or waste hazardous by our D, as amended. The	exempt waste (R360 Accepts characteristics established in following documentation de Other (Provide Description	s certifications on a nRCRA regulations, monstrating the n Below)
(PRINT) AUTHORIZE	D AGENTS SIGNATURE	DA DA			IGNATURE	
Transporter's Name Address Phone No Transporter Ticket #	naterial(s) was/were pick	TRANSI	Driver's Name Print Name Phone No. Truck No.	Cothers	t thrase	
SHIPMENT DATE	11000	SIGNATURE	DELIVERY DATE	$-\mathcal{OL}$	N.	
TRUCK TIME ST	TAMP	DISPOSAL		Name/No.	ECEIVING AREA	28
Address 6601 Hobbs H	acility / NM1-006 wy US 62 / 180 Mile Mark GS TAKEN? (Circle One TER TEST? (Circle One)		Phone No57	5-392-6368 D micro roentgents? ((Circle One) YES	NO
st Guage Feet		TANK BO	- All	LS Received Free Water	BS&W (%)	
Received			To	tal Received		
NAME IFFINITY	White - R360 ORIGI	DATE	DENIED If der	WV E1:00	OCD: 4/16/2022 15:0	O yd boviocoA

Phone No.,



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company	Man Contact Information
Name 4	Cartarts

	GENE	RATOR	NO. HW- 7038038
Generator Manifest #		Location of Origin Lease/Well Name & No. County API No.	11 1057 1015 - 24473
City, State, Zip Phone No.		Rig Name & No.	1121161221 - NORW 200131
The state of the s	Service Identification and Amount	AFE/PO No	ture in housely or or this result
Oil Based Muds Oil Based Cuttings Water Based Cuttings Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil	NON-INJECTABLE WATERS Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Inje Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Inje INTERNAL USE ONLY	jectable)	OTHER EXEMPT E&P WASTE STREAMS TOP SOIL & CALICHE SALES
Gas Plant Waste WASTE GENERATION PROCESS: DRILLING	Truck Washout (exempt waste) COMPLETION	YES NO	QUANTITY TOP SOIL CALICHE
			GATHERING LINES utability, Corrosivity adn Reactivity, orn Non-Exempt Waste List on back
DISPOSAL QUANTITY	B - BARRELS	L-LIQUID	Y-YARDS E-EACH
RCRA EXEMPT: Oil field wastes go per load basis only RCRA NON-EXEMPT: Oil field waste wh 40 CFR 261.21-26 waste as non-haze MSDS Information EMERGENCY NON-OILFIELD Emergency non-ha	neg to applicable regulation. erated from oil and gas exploration a th is non-hazardous that does not exc 24, or listed hazardous waste as defindous is attached. (Check the appropri	end production operation and are re- seed the minimum standards for wo ned by 40 CFR, part 261, subpart E late items as provided) Hazardous Waste Analysis een ordered by the Department of	aw. That each waste has been properly described, classified and not mixed with non-exempt waste (R360 Accepts certifications on a vaste hazardous by characteristics established in RCRA regulations, D, as amended. The following documentation demonstrating the Other (Provide Description Below) Public Safety (the order, documentation of non-hazardous waste
(PRINT) AUTHORIZED AGENTS SIGNATURE		MIE	
Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) was/were page 1.5 miles and the second se	TRANS	PORTER Driver's Name Print Name Phone No. Truck No.	Cartherst Hogarel
1-21-33 (1 Lax	TEURE	doove and derivered without mich	pent to the dispusal facility listed below.
TRUCK TIME STAMP IN:OUT:	DISPOSA	L FACILITY	RECEIVING AREA Name/No.
Permit No. Address Halfway Facility / NM1-00 6601 Hobbs Hwy US 62 / 180 Mile N NORM READINGS TAKEN? (Circle 0	arker 66 Carlsbad, NM 88220		392-6368
PASS THE PAINT FILTER TEST? (Circle 0		If YES, was reading > 50 m	nicro roentgents? (Circle One) YES NO
1st Guage Feet 2nd Guage Received	Inches		Received BS&W (%) ee Water Received
Thereby certify that the above load material has been (circle of NAME (PRINT) 79↑ JO IE 280 J	ACCEPTED DATE	DENIED If denied	

Phone No._



Page 32 of 162

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Compar	ny Man Contact	Information
Name .	Part 1	PO-

VITE		(GENERATO	R		NO. HW-	703	7521
Generator Manifest #			Lease	DOM:	JO AL	estant he	7 69	7
Generator Name Address			Name Count	ACCURATE N	Tech C	30154	3535	-
9X 3,596 (240)			API N	VI.	-1015-	24473		
City, State, Zip Phone No.			77.00	ime & No.	APP 72 40	DUISHA	23	
	XFMPT FRP Waste	Sanico Identification and	Amount /slace va	And the second s	16 12/10			
Ull Based Muds	CALIVITY CONT. WOSTE	Service Identification and NON-INJECTABLE WATERS	Authornt (prace vo	ume next to waste	OTHER EXEME	or cubic yards) TE&P WASTE STE	REAMS	
Oil Based Cuttings Water Based Muds		Washout Water (Non-Injecta Completion Fluid/Flow Back	(Mon-loigetable)					
Water Based Cuttings Produced Formation Solids		Produced Water (Non-Injecta Gathering Line Water/Waste	able)					
Tank Bottoms E&P Contaminated Soil		INTERNAL USE ONLY	e (Non-injectable)		TOP SOIL & CA	LICHE SALES	ALC IN TAXABLE	69.1
Gas Plant Waste		Truck Washout (exempt was	te) YES	(NO	QUANTITY		TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	☐ DRILLING	COMPLE	TION	PRODUCTION		GATHERING LI	NES	
All	non-exempt E&P wast	NON-EXEMPT E&P must be analysed and be be	Waste/Service Identification of the Waste/Service Identification of the Waste Waste Identification of the Waste/Service Identification of	ification and Amount for toxicity (TCLP), Ign	itability, Corrosiv	ity adn Reactivity.		Total State of the last
Non-Exempt Other				*please select fro			ack	
DISPOSAL QUANTITY		B - BARRELS	L - LIQUID		Y - YARDS)	E - EA	ACH
I hereby certify that the above listed in packaged, and is in proper condition for	naterial(s), is (are) not h	ezardous waste as defined b	y 40 CFR Part 261 or	any applicable state la	w. That each wa	iste has been prop	erly described	l, classified and
RCRA EXEMPT:		nerated from oil and gas exp	loration and producti	on operation and are r	not mixed with no	on-exempt waste (R360 Accepts	certifications on a
RCRA NON-EXEMPT:	Oil field waste whi	r ch is non-hazardous that doe	s not exceed the min	mum standards for w	asto hazardone l	u characteristics o	otoblished in	0004
	40 0111 701 71-701	.24, or listed hazardous wast rdous is attached. (Check the	e as defined by 40 C	ti fiari /b) subpart i), as amended. T	he following docum	mentation den	nona regulations, nonstrating the
	MSDS Information		RCRA Hazardous V			Other (Provid	le Description	Below)
EMERGENCY NON-OILFIELD	Emergency non-ha determination and	tardous, non-oilfield waste the description of the waste m	nat has been ordered ust accompany this f	by the Department of orm)	Public Safety (th	e order, documenta	ation of non-h	azardous waste
(PRINT) AUTHORIZE	ED AGENTS SIGNATURE		DATE					
		TB	ANSPORT	R		SIGNATURE		
Transporter's Seg 7	ex Mes		Driver's		20			
Address			Print N	DECKNOOL ST	2 CW	CYN		
Fransporter Ticket #			Phone Truck N	CONT.	21998	187		
hereby certify that the above named	material(s) was/were p	icked up at the Generator's si	ite listed above and o	elivered without incid	ent to the disnos	al facility listed he	elniw	
SHPMENT DATE		ER'S SIGNATURE		27-23				1
TRUCK TIME ST			OSAL FACI	DELIVERY DATE		DECENTAGE A		
IN: 0U		DISI	USAL FAUI	100	Name/No.	RECEIVING A	KEA	
Site Name/				Ľ	101110/1101_			
	acility / NM1-006 wy US 62 / 180 Mile M	arker 66 Carlsbad, NM 88220	Phone I	Vo. <u>575-3</u>	392-6368		_	
	GS TAKEN? (Circle O		170000000	EA	Marine and a second and a second			
	TER TEST? (Circle O		11 155,	was reading > 50 m	icro roentgents	? (Circle One)	YES	NO
Feet			IK BOTTON	AS				
st Guage		Inches		BS&W/BBLS	Received		BS&W (%)	
nd Guage leceived				Fre	ee Water		100	
	udal bas bas da s			Total	Received			
hereby certify that the above load man	terial has been (circle o	ne): ACCEPTED	DENIED	If denied	, why?			
NAME (PRINT)		DATE	-	TITLE	-	SIGNATI	URE	
of fo 28 ogn -	White - R360 OF	IGINAL Yellow-TRANSF	PORTER COPY P	ink- GENERATOR SITE	COPY Finite	00:ZI SZ0Z/6	SI/t : COC	Neceived by (



791 fo 88 98nd

MALLE BOOK ODICINIAL

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company	Man	Contact	Info	ormation
Name 🚣	84	7	2	1

h	10	hon	hone	hone N

Received by OCD: 4/19/2025 12:00:13 AM

VTO		GEN	IERATOR	ann-ind		NO. HW	-703	9806
Generator Manifest #			Location Lease/W		walow	MIC	57	
Generator Name			Name &		set 03	C1558	535	
Address			County	<u>15</u> a	Dy			
City, State, Zip			API No.	INC 2 30	1000001	4473	20-3	
Phone No.			Rig Nami AFE/PO N		1341 27	0001062	10.5	
	MPT E&P Waste/Servi	ce Identification and Amo			uno in harrole	or cubic uarda)		
Oil Based Muds	NON	-INJECTABLE WATERS	arie (piace voisi)	TO STORE SO AVOISTO		T E&P WASTE S	TREAMS	
Oil Based Cuttings Water Based Muds	Wasi	nout Water (Non-Injectable) pletion Fluid/Flow Back (Non-	lainetehle)					
Water Based Cuttings Produced Formation Solids	Produ	uced Water (Non-Injectable)	Marie Commission					
Tank Bottoms	Total Contract of the Contract	aring Line Water/Waste (Non RNAL USE ONLY	-Injectable)		TOD COULD OF	HOUR OWEN		
E&P Contaminated Soil Gas Plant Waste	The same of the sa	Washout (exempt waste)	YES	(NO)	TOP SOIL & CA QUANTITY	LIGHE SALES	TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	☐ DRILLING	COMPLETION		PRODUCTION	COMMITT	GATHERING L		CALILITE
		NON-EXEMPT E&P Wast	(Paris Harris			OATTICITIVO D	LIIVEO	
	exempt E&P waste mus	t be analysed and be below to	erservice Identific hreshold limits for	ation and Amount toxicity (TCLP), Igni	tability, Corrosiy	rity adn Reactivit	ý.	
Non-Exempt Other				*please select fro	m Non-Exemp	t Waste List on	back	
DISPOSAL QUANTITY	100	BARRELS	L - LIQUID	20			E-E	
I hereby certify that the above listed mate	rial(s), is (are) not hazard	ous waste as defined by 40 C	FR Part 261 or any	y applicable state la	w. That each wa	aste has been pro	operly describe	d, classified and
packaged, and is in proper condition for tr RCRA EXEMPT:		o applicable regulation ed from oil and gas exploration	on and production	oneration and are n	nt mixed with n	on avampt waste	/P260 Assessed	and final and a
No. of the last of	per load basis only)							
RCRA NON-EXEMPT:	Oil field waste which is a 40 CFR 261,21-261,24, o	non-hazardous that does not or listed hazardous waste as d	exceed the minimi lefined by 40 CFR	um standards for wa	este hazardous t	by characteristics	established in	RCRA regulations,
_	waste as non-nazardous	is attached, (Uneck the appro	opriate items as pi	rovided)	, as allielided. I	ne ronowing doc	umentation der	nonstrating the
1 - SALESSAND RESIDENCE AND	MSDS Information		RA Hazardous Wa	Comment of the second			ide Description	
EMERGENCY NON-OILFIELD	Emergency non-hazardor determination and a des	us, non-oilfield waste that has cription of the waste must ac	s been ordered by company this form	the Department of I	Public Safety (th	e order, documer	ntation of non-h	nazardous waste

(PRINT) ALITHORIZED AG	ENTS SIGNATURE		DATE			SIGNATURE		
Transporter's		TRAN	SPORTER	}				
Name Dem /+	VMPY	**	Driver's N	lame 🥕	20	-	-	
Address Phone No.			Print Nan	717.00	2 Cuss	y		
Transporter Ticket #			Phone No	3184	199 C35	7		
I hereby certify that the above named mate	erial(s) was/were picked	up at the Generator's site list	Truck No.	vered without incid	ont to the diener	nal familiby listed	halan	
			/- 7	g-25	ent to the dispo-	sai racinty listed	DEIOW.	
SHIPMENT DATE	DRIVER'S S	THE RESERVE AND ADDRESS.	And in case of the last of the	ELIVERY DATE		DRIVER'S	SIGNATURE	
TRUCK TIME STAN	ИP	DISPOS	AL FACILI	TY		RECEIVING	AREA	
IN: OUT: _				1	lame/No	OX		
Site Name/ Permit No. Halfway Faci	ility / NM1-006		4600000	F7F 0				
	US 62 / 180 Mile Marker	66 Carlsbad, NM 88220	Phone No	5/5-3	92-6368			
	TAKEN? (Circle One)		WVCO				7 17222	56500
PASS THE PAINT FILTER		YES NO	II 1E5, W	as reading > 50 m	icro roentgent:	s? (Circle One)	YES	NO
	(5.10.0.0.0.10)		DOTTOR	0	_			
Feet		nches	BOTTOM	3				
1st Guage				BS&W/BBLS I	Received	-	BS&W (%)	
2nd Guage Received		1			e Water	-	1	
		1	- 3	Total F	Received		1	
hereby certify that the above load materiz	il has been (circle one).	ACCEPTED	DENIED	If denied	, why?	11		
NAME (PRINT)	X IIIV	DATE	13	DITE	17	1		

Pink- GENERATOR SITE COPY WY SET: 00: 27 5707/61/4: 030 Ag portoody



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information

1,00	4	GE	NERATO	3	И	NO.HW-	708647	
Generator Manifest # \(\frac{10}{4} \) Generator Name Address	*.		Location Lease, Name County API No	& No	4002426	58535		
City, State, Zip Phone No.			- CO	me & No.	36 1841	1001		
EXE	MPT E&P Waste/Service I	Identification and An			ype in barrels o	r cubic yards)		
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Washout Completi Produced Gathering INTERNA	ECTABLE WATERS Water (Non-Injectable on Fluid/Flow Back (No I Water (Non-Injectable g Line Water/Waste (No L USE ONLY shout (exempt waste)	on-Injectable)	(A)	TOP SOIL & CALL	CHE SALES		
WASTE GENERATION PROCESS:	DRILLING	COMPLETIO	N [PRODUCTION		GATHERING LINES		
NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity. Non-Exempt Other *please select from Non-Exempt Waste List on back								
DISPOSAL QUANTITY	B - BAF		L - LIQUID	20	Y - YARDS		E - EACH	
I hereby certify that the above listed mati- packaged, and is in proper condition for to RCRA EXEMPT: RCRA NON-EXEMPT:	Oil field wastes generated for per load basis only) Oil field wastes generated for per load basis only) Oil field waste which is non-40 CFR 261.21-261.24, or list waste as non-hazardous is a MSDS Information Emergency non-hazardous, of determination and a description	rom oil and gas explore -hazardous that does noted hazardous waste a attached. (Check the ap	ot exceed the min s defined by 40 CF propriate items as ICRA Hazardous V	on operation and are n mum standards for wa R, part 261, subpart D provided) /aste Analysis by the Department of	ot mixed with nor aste hazardous by , as amended. The	n-exempt waste (R360 / characteristics establi- e following documental	Accepts certifications on a shed in RCRA regulations, tion demonstrating the cription Below)	
(PRINT) AUTHORIZED A	GENTS SIGNATURE		DATE			SIGNATURE		
Address Phone No. (4 3) Transporter Ticket #	100 Mex		Driver's Print N Phone I Truck N	Name	Ade.	Lines Hrss		
I hereby certify that the above named mat	erial(s) was/were picked up a DRIVER'S SIGNAL	- Mun	listed above and d	elivered without incide	ent to the disposa	all	Jues	
TRUCK TIME STAI			SAL FACI	LITY	F lame/No	RECEIVING AREA		
Site Name/ Permit No. Address Halfway Fac 6601 Hobbs Hwy	ility / NM1-006 US 62 / 180 Mile Marker 66 (Carlsbad, NM 88220	Phone I	lo. <u>575-3</u>	92-6368			
NORM READINGS PASS THE PAINT FILTE		ES NO	If YES,	was reading > 50 mi	cro roentgents?	(Circle One) YES	S NO	
1st Guage Feet 2nd Guage Received	Inche		BOTTON	BS&W/BBLS F	Received Received	BS&V	V (%)	
hereby certify that the above load materi	al has been (circle one):	ACCEPTED -	DENIED	If denied,				
NAME (PRINT)		0ATE		TITLE	-	SIGNATURE		

White - R360 ORIGINAL

797 Joop & 280 J. com (877)499-0492

Yellow-TRANSPORTER COPY



(PLEASE PRINT) *REQUIRED INFORMATION*

Company	Man Co	ntact Informa	ation
Name _	200	Ketz.	
Phone No			

10 10		GENE	RATOR	Λ	NO.HW-	7006/0	
Generator Manifest #		-	Location of Origin	A Valen	JT 657		
Generator Name			Lease/Well	12 FC 11	636		
Address			Name & No(136155 8	013 LX 03		
			API No.		24473		
City, State, Zip			Rig Name & No.	1361810			
Phone No.			AFE/PO No				
	EXEMPT E&P Waste/Serv	ice Identification and Amoun	(place volume next to wast	type in barrels	or cubic vards)		
Oil Based Muds Oil Based Cuttings	NON	-INJECTABLE WATERS			TE&P WASTE STREAMS		
Water Based Muds		hout Water (Non-Injectable) pletion Fluid/Flow Back (Non-Inje	antable)		0		
Water Based Cuttings Produced Formation Solids	Prod	uced Water (Non-Injectable)	20.00129-0.0		2.1		
Tank Bottoms		ering Line Water/Waste (Non-In	ectable)		Della		
E&P Contaminated Soil Gas Plant Waste		RNAL USE ONLY	7	TOP SOIL & CA			
WASTE GENERATION PROCESS:	THE RESERVE AND ADDRESS OF THE PARTY OF THE	Washout (exempt waste)	YES (NO)	QUANTITY	TOP SO	DIL CALICHE	
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	☐ PRODUCTION		GATHERING LINES		
All	non-execut E&P wasta save	NON-EXEMPT E&P Waste/S	ervice Identification and Amoun	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SCHOOL STATE		
Non-Exempt Other	or overlipt car waste mus	t be analysed and be below three					
	100			rum mon-exempl	Waste List on back		
DISPOSAL QUANTITY		BARRELS	L-LIQUID	→ Y-YARDS		E - EACH	
I hereby certify that the above listed in packaged, and is in proper condition for	naterial(s), is (are) not hazard	lous waste as defined by 40 CFR	Part 261 or any applicable state	law. That each wa	ste has been properly des	cribed, classified and	
RCRA EXEMPT:	as manaparation decording t	ed from oil and gas exploration a					
	bar roan posts outil						
RCRA NON-EXEMPT:	Oil field waste which is	non-hazardous that does not exc	eed the minimum standards for	waste hazardous b	y characteristics establish	ned in RCRA regulations,	
	40 0111 201 21 201 21 L	or listed hazardous waste as defin is attached. (Check the appropri	TRU DV 4111 FK Dart 761 cubnart	D, as amended. The	ne following documentation	on demonstrating the	
	MSDS Information	RCRA	Hazardous Waste Analysis		Other (Provide Descr	iption Below)	
EMERGENCY NON-OILFIELD	Emergency non-hazardo	us, non-oilfield waste that has be	een ordered by the Department	of Public Safety (the	order, documentation of	non-hazardous waste	
	determination and a des	cription of the waste must accor-	npany this form)			Hor Hazardous Waste	
(PRINT) ALITHORIZE	ED AGENTS SIGNATURE						
7 2017 101010	S PISCHTS SIGNATURE		DODTED		SIGNATURE		
Transporter's	(C)		PORTER	20	1		
Name Address	MA TEN A	le v	Driver's Name	, la	lu ne		
The state of the s	22 Jun - 412		Print Name	Milo	AN TIMES		
Transporter Ticket #	12 -01 6/2		Phone No.	12			
hereby certify that the above named	material(s) was/were nicked	un at the Congrator's cita listed	Truck No.	1			
	Cd	Ni- My	above and delivered without inc	ident to the dispos	al facility listed below.	A.	
SHIPMENT DATE	DRIVER'S S		DELIVERY DATE	<u> </u>	DRIVER'S SIGNATURE	- Ceres	
TRUCK TIME ST	TAMP	DISPOSAL	LFACILITY		RECEIVING AREA		
IN: OU	T:			Name/No.	4-2		
Site Name/			L				
	acility / NM1-006	***	Phone No. 575	392-6368			
	wy US 62 / 180 Mile Marker	66 Carlsbad, NM 88220					
	GS TAKEN? (Circle One)	YES -NO-	If YES, was reading > 50	micro roentgents	? (Circle One) YES	NO	
PASS THE PAINT FIL	TER TEST? (Circle One)	YES> NO	10 to 1000 000 000	Maria Cara de Trada		1.000	
TANK BOTTOMS							
st Guage Feet		nches					
2nd Guage	ζ,	//	BS&W/BBLS		BS&W	(%)	
Received				ree Water			
WARRIST L			Tota	Received			
hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?							
MAME (PRINT)		DATE	ilke		Set A		
		DATE	TITLE		SIGNATURE		



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



January 22, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: AVALON UT 657

Enclosed are the results of analyses for samples received by the laboratory on 01/16/25 13:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/16/2025 Reported: 01/22/2025

Project Name: AVALON UT 657
Project Number: 03C1558535

Project Location: XTO 32.5346-104.21384

Sampling Date: 01/15/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 01 5' (H250258-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	01/20/2025	ND	2.18	109	2.00	7.32	
Ethylbenzene*	<0.050	0.050	01/20/2025	ND	2.46	123	2.00	8.06	
Total Xylenes*	<0.150	0.150	01/20/2025	ND	7.69	128	6.00	8.38	
Total BTEX	<0.300	0.300	01/20/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2025	ND	216	108	200	1.07	
DRO >C10-C28*	<10.0	10.0	01/20/2025	ND	187	93.7	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	01/20/2025	ND					
Surrogate: 1-Chlorooctane	80.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/16/2025 Reported: 01/22/2025

Project Name: AVALON UT 657
Project Number: 03C1558535

Project Location: XTO 32.5346-104.21384

mg/kg

Sampling Date: 01/15/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SW 01 0-5' (H250258-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2025	ND	2.08	104	2.00	3.90	
Toluene*	<0.050	0.050	01/20/2025	ND	2.18	109	2.00	7.32	
Ethylbenzene*	<0.050	0.050	01/20/2025	ND	2.46	123	2.00	8.06	
Total Xylenes*	<0.150	0.150	01/20/2025	ND	7.69	128	6.00	8.38	
Total BTEX	<0.300	0.300	01/20/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/21/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2025	ND	216	108	200	1.07	
DRO >C10-C28*	<10.0	10.0	01/20/2025	ND	187	93.7	200	3.74	
EXT DRO >C28-C36	<10.0	10.0	01/20/2025	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.7	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-23 Company Name: Ensolum, LLC	(575) 393-2326 F	675) 393-2326 FAX (575) 393-2476 nsolum, LLC	6	-	- 1	- 1	- 1				1	00	SI.	BILL TO		П	П	$\ $	Ą	ANALYSIS		REQUEST	TS
rolect Manager:	roject Manager:	and							7	P.O. #:	*		ш							_			
ddress: 601 N N	Address: 601 N Marienfeld Street, Suite 400	uite 400							0	9	pa	ny:	×	Company: XTO Energy, Inc	Inc				_	_			
City: Midland		X	Zip: 79701	970	I				Þ	=		Ott	3	Attn: Colton Brown				_	_	_			
hone #: 57	phone #: 575-937-3106 Fax #:	6 Fax #:							b	dd	88	99	310	Address: 3104 E Greene St	St				_	_	_		
minet # 03/	1588838	Project Owner:	V.	XTO Energy	ner	ΥB			0	City:		Carlsbad	tsb	ad				_	_		_		
Project Name: Auctor	Junion W 657	\$7	1 1			-			10	tat	in.	State: NM	1	Zip: 88220						_	_		
reject i ocation	327	346-104.21384	38	T					70	Phone #:	90	*							_	_		_	
Project Location.	Bosso	,							70	Fax #:	*								_				
Sampler Name:	01 4 Walnu		7	4	- 1	3	MATRIX	×	H	-	流	PRESERV	3	SAMPLING	ING					_	_		_
FOR DAR OR OWN		Depth			A STATE OF THE PARTY OF THE PAR	TER	_					-	31			15	021	4500					
Lab I.D.	Sample I.D.	(feet)	G)RAB OR	CONTAIN	ROUNDW	VASTEWA	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	CE/COO	OTHER:	DATE	TIME	TPH 80	BTEX 8	Chloride				-	-
HUSUSOO	1053	S	-	_	_			_	-	_	_	-		1/13/23 1405	1405	1	7	1	L		-	+	+
5-	1000	3-5-	0		4	-	<	-				7		1115/25 KHS	SH	5	5	1			-	+	+
2	377																						-
PLEASE NOTE: Lissely or analyses. All claims include	PLEASE NOTE: Leasily and Damages. Cardinath facility and clienth sectionin remarks by any claim arrang whether based in control or but, shall be limited to the amount paid by the client by the plant properties of the applicable enables. All claims including those for neighbors and any stiffer cause whethorever shall be deemed unless made in writing and received by Cardinal within 30 days after completion of the applicable enables. All claims including those for high particular and any stiffer cause whethorever shall be deemed unless made in writing and received by Cardinal Michigan after completions of the applicable.	of clienth exclusive remedy for a other cause whatboever shall be	of the any claim energy whether, based in contract or fort, shall be finded to the shall be deemed waters unless made in witing and received by Caudinal within a number of witing and received by Caudinal within a number of witing and received by Caudinal within a number of witing witing witing witing and trace of postin in	100	d maga	8 2 2	0.00	5 9 5	N N N	20 mg	を行る	of the la	and of p	e numer) for any claim smany whether based in contract or for, shall be finited to the amount paid by the claim for the force, shall be deemed valued unless made in writing and received by Casdinal within 30 days after completion of the cover shall be deemed valued unless made in writing and received by Casdinal within 30 days after completions of the cover shall be deemed by claim. In subsidiaries	ot paid by the cleant for the re after completion of the a d'by client, its subsidiaries.	to applica	8						
Relinquished By:	which of secondar which and or related to the performs Relinquished By:	Date:	Ro	Received By:	80	P S	100	9	1	1	6	9 9	9	2000 S000 S000 S000 S000 S000 S000 S000	Verbal Result: O Yes All Results are emailed. BBelili@ensolum.com. T	s are e	☐ Yes mailed. m.com. T		ase provi	Add'I I de Em nsolun	☐ No Add'l Phone #: Please provide Email address: Morrissey@ensolum.com, THillard@ensolum.com	ss;	nsolu
Relinquished By:	* Oren	Date: 1035	R	Received By:	6	P(C)	(2	8	0					REMARKS:	69							
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Bus - Other:	Correct Tener 'C /3	الم الم	in C	100	口口の表記	Sample Condition Cool Intact Tyes Tyes	그ద활성	N S C D	9 9		오	OE T	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #1137‡/	nd Tirr ter ID F.ccor	me: -0.5°C-1	Standard Rush	dard		Bacteria (on Cool Intact	Bacteria (only) Sample Conductor Cool Intact Observed Temp. Yes Yes No Corrected Temp.	Corrected Temp. *C
Catalogue or -				ì	Ť		No	Ė	2	ľ	r		t			١	١	١	١				



January 24, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: AVALON UT 657

Enclosed are the results of analyses for samples received by the laboratory on 01/22/25 16:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/22/2025 Reported: 01/24/2025

Project Name: AVALON UT 657
Project Number: 03C1558535

Project Location: XTO 32.5346-104.21384

Sampling Date: 01/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: FS 02 4 (H250397-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2025	ND	1.82	91.0	2.00	0.136	
Toluene*	<0.050	0.050	01/23/2025	ND	1.94	96.9	2.00	0.0302	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.88	93.9	2.00	0.00697	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.51	91.8	6.00	0.126	
Total BTEX	<0.300	0.300	01/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/23/2025	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	201	101	200	0.943	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	204	102	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					
Surrogate: 1-Chlorooctane	78.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/22/2025 Reported:

01/24/2025

Project Name: **AVALON UT 657** Project Number: 03C1558535

Project Location: XTO 32.5346-104.21384 Sampling Date: 01/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: FS 03 4 (H250397-02)

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	01/23/2025	ND	1.82	91.0	2.00	0.136	
Toluene*	<0.050	0.050	01/23/2025	ND	1.94	96.9	2.00	0.0302	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.88	93.9	2.00	0.00697	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.51	91.8	6.00	0.126	
Total BTEX	<0.300	0.300	01/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/23/2025	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	201	101	200	0.943	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	204	102	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					
Surrogate: 1-Chlorooctane	76.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.8	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/22/2025 Reported: 01/24/2025

Project Name: **AVALON UT 657**

Project Number: 03C1558535 Project Location: XTO 32.5346-104.21384 Sampling Date: 01/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: FS 04 4 (H250397-03)

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	01/23/2025	ND	1.82	91.0	2.00	0.136	
Toluene*	<0.050	0.050	01/23/2025	ND	1.94	96.9	2.00	0.0302	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.88	93.9	2.00	0.00697	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.51	91.8	6.00	0.126	
Total BTEX	<0.300	0.300	01/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	01/23/2025	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	201	101	200	0.943	
DRO >C10-C28*	24.1	10.0	01/23/2025	ND	204	102	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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Celey D. Keine



01/22/2025

Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/22/2025 Sampling Date:

Reported: 01/24/2025 Sampling Type: Soil

Project Name: **AVALON UT 657** Sampling Condition: Cool & Intact Project Number: 03C1558535 Sample Received By: Alyssa Parras

Project Location: XTO 32.5346-104.21384

Sample ID: SW 04 0-4 (H250397-04)

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	01/23/2025	ND	1.82	91.0	2.00	0.136	
Toluene*	<0.050	0.050	01/23/2025	ND	1.94	96.9	2.00	0.0302	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.88	93.9	2.00	0.00697	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.51	91.8	6.00	0.126	
Total BTEX	<0.300	0.300	01/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/23/2025	ND	416	104	400	0.00	
TPH 8015M	<10.0 10.0 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	01/23/2025	ND	201	101	200	0.943	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	204	102	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC TRACY HILLARD 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 01/22/2025 Reported: 01/24/2025

01/24/2025 AVALON UT 657

mg/kg

Project Name: AVALON UT 6
Project Number: 03C1558535

Project Location: XTO 32.5346-104.21384

Sampling Date: 01/22/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: SW 05 0-4 (H250397-05)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2025	ND	1.82	91.0	2.00	0.136	
Toluene*	<0.050	0.050	01/23/2025	ND	1.94	96.9	2.00	0.0302	
Ethylbenzene*	<0.050	0.050	01/23/2025	ND	1.88	93.9	2.00	0.00697	
Total Xylenes*	<0.150	0.150	01/23/2025	ND	5.51	91.8	6.00	0.126	
Total BTEX	<0.300	0.300	01/23/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/23/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/23/2025	ND	201	101	200	0.943	
DRO >C10-C28*	<10.0	10.0	01/23/2025	ND	204	102	200	0.171	
EXT DRO >C28-C36	<10.0	10.0	01/23/2025	ND					
Surrogate: 1-Chlorooctane	76.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.5	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

CARDINAL Laboratories

Manor Ensolum LLC		BILL TO	ANALYSIS REQUEST
J. 11 . 11 . 11 . 11 . 11 . 11 . 11 . 1	2	P.O. #	
Idrass: 601 N Marienfeld Street, Suite 400	e 400	Company: XTO Energy, Inc.	
	State: TX Zip: 79701	Attn: Colton Brown	
		3300 0	
none #: 575 - 937 - 3406	Fax #:	Address: 3104 E Greene St	
niert #: 036 558 Project Owner: XTO Energy	Project Owner: XTO Energy	City: Carlsbad	

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinguished By:	Relinquished By	YULASE NOTE: Liability and malyses. All claims including enaics. In no event shall Care		5	E,	מנק	v	, reach	Lab I.D.	FOR LAB USE DIRLY	ampler Name: /	roject Location:	roject Name: A	roject #: 03C	hone #: ソノンノーンソンで
cle One) Bus - Other:		R	NLASE NOTE: Liability and Osmages. Cardinal's liability and of marges. All claims including those for negligence and any other systes. In no event shall Cardinal be liable for inclaimful or com-		SMOS	HOMS	4000	5033	5002	Sample I.D.		Mrio Sark	roject Location: 32,536, -104, 21384	Valor UT 65	roject #: 0301858535 F	12/-27/06
Correct Temp. C	Date:	Date: 1/22/25 Time:	of clerifs exclusive restedy for their cause whatsoever shall be consequental damages, includes a consequental damages.		0-4	h.0	2	4	ų	Depth (feet)		\.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	14.21384	57	Project Owner:	rax #:
Sample Condition Cool Intact Pres Pres	Received By:	Received By:	any claim salaing whether based in co deemed walved unless made in with g without limitation, business interrupt Cardinal, requireless of whether such			C - \	- 0	- 0	_ <	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	MATRIX				: XTO Energy	
ndition CHECKED BY: ct (Initials)		3	**************************************		*		. `	<		SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	PRESERV. SA	1	Phone #:	State: NM Zip: 88	City: Carlsbad	Modices. Old Co.
047-4	REMARKS: IA	Verbal Result: All Results are o	it paid by the client for the suffer completion of the applica 5 by client, its subsidiarion, and reasons or otherwise.		1306	1204 1	11450	1143	35 1141 /	TPH 8015	SAMPLING			88220		00100
Tremanound Time: Standard Rush Rush W8-hC	REMARKS: Incident #: AAPP 2420136803	☐ Yes ☐ No ☐ Amailed. Please provide			< .	+		, ,	2	BTEX 8021 Chloride 4500						_
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C	420136803	Verbal Result: 日 Yes 日 No Add I Phone #: All Results are emailed. Please provide Email address: からみんご ひとのらりは かっとか 自動の主義の主義の主義の主義の主義の主義の主義の主義の主義の主義の主義の主義の主義の														
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



January 28, 2025

TRACY HILLARD
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: AVALON UT 657

Enclosed are the results of analyses for samples received by the laboratory on 01/27/25 11:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. 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 TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 01/27/2025 Reported: 01/28/2025

Reported: 01/28/2025
Project Name: AVALON UT 657
Project Number: 03C1558535

Project Location: XTO 32.5346-104.21384

Sampling Date: 01/24/2025

Sampling Type: Soil

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

Sample ID: SW 02 0-4 (H250467-01)

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	01/28/2025	ND	1.87	93.7	2.00	6.17	
Toluene*	<0.050	0.050	01/28/2025	ND	1.97	98.5	2.00	6.08	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	1.90	94.8	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	5.56	92.7	6.00	6.21	
Total BTEX	<0.300	0.300	01/28/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/28/2025	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	01/28/2025	ND	217	109	200	2.16	
DRO >C10-C28*	21.0	10.0	01/28/2025	ND	211	106	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.8	% 49.1-14	8						

Applyand By 14

Cardinal Laboratories *=Accredited Analyte

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

Celecy D. Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 01/27/2025 Reported:

01/28/2025

Project Name: **AVALON UT 657** Project Number: 03C1558535

Project Location: XTO 32.5346-104.21384 Sampling Date: 01/24/2025

Sampling Type: Soil

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

Sample ID: SW 03 0-4 (H250467-02)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	1.87	93.7	2.00	6.17	
Toluene*	<0.050	0.050	01/28/2025	ND	1.97	98.5	2.00	6.08	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	1.90	94.8	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	5.56	92.7	6.00	6.21	
Total BTEX	<0.300	0.300	01/28/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	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	01/28/2025	ND	217	109	200	2.16	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	211	106	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

Applyzod By: 14

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 01/27/2025 Reported: 01/28/2025

01/28/2025 AVALON UT 657 03C1558535

ma/ka

Project Location: XTO 32.5346-104.21384

Sampling Date: 01/24/2025

Sampling Type: Soil

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

Sample ID: FS 10 4 (H250467-03)

Project Name:

RTFY 8021R

Project Number:

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	01/28/2025	ND	1.87	93.7	2.00	6.17	
Toluene*	<0.050	0.050	01/28/2025	ND	1.97	98.5	2.00	6.08	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	1.90	94.8	2.00	6.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	5.56	92.7	6.00	6.21	
Total BTEX	<0.300	0.300	01/28/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	01/28/2025	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	01/28/2025	ND	217	109	200	2.16	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	211	106	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	75.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.1	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



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



Ensolum, LLC P.O.#:	ANALYSIS REQUEST
1000 11:100	
roject monager: TICK Y HIII (I d	
tional Parks Hwy Company: XTO	
State: NM Zip: 88220	
hone #: 575-937-3906 Fax #: Address: 104 E 66295t.	
Project Owner:	
Valon UT 657	
m: 32,5346,-	
() Fax #:	5
MATRIX PRESERV, SAMPLING	1
GONTAINERS GROUNDWATER WASTEWATER SOIL OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ACI	
SW03 0-4 (1) V	
A 7 1 2 h	
N_EASE NOTE: Labelity and Dannages. Castificat's labelity and clearly exclusive memory for any claim among whether based in contained received by Castificat (as amount pand by the usual for the anapples, and any other sease whatever shall be desired unded in writing and received by Castificat (within 30 days after coupledon of the applicable and any other sease whatever shall be desired unded understanding those for mydigenic and any other sease whatever shall be desired understanding and received by Castificat (within 30 days after coupledon of the applicable and the applicable of containing and any other sease whatever and the applicable of the applicable of containing and any other sease whatever and the applicable of t	
Date: 37-35 Received By: Times / HH	P S
Received by:	1136781001 CAGUL TO 11 & 1001 2000 0
Standard Ba	Standard 48-W
000	eene@cardinallabsnm.com



January 29, 2025

TRACY HILLARD ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: AVALON UT 657

Enclosed are the results of analyses for samples received by the laboratory on 01/28/25 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. 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 TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 01/28/2025

01/29/2025

Sampling Date: Sampling Type: 01/27/2025

Soil

Reported: Project Name:

AVALON UT 657 03C1558535

Sampling Condition: Sample Received By:

Cool & Intact Alyssa Parras

Project Number:

DTEV 0021D

VTO 22 F24C 104

Applyand By 14

Project Location: XTO 32.5346-104.21384

Sample ID: FS 07 4 (H250491-01)

BTEX 8021B	mg	/kg	Analyze	/2025 ND 2. /2025 ND 2. /2025 ND 2. /2025 ND 6. /2025 ND Analyzed By: HM /2025 ND 4 Analyzed By: MS /2025 ND 2 /2025 ND 2 /2025 ND 4 /2025 ND 4 /2025 ND 2 /2025 ND 2					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	2.02	101	2.00	2.11	
Toluene*	<0.050	0.050	01/28/2025	ND	2.13	107	2.00	2.25	
Ethylbenzene*	0.100	0.050	01/28/2025	ND	2.10	105	2.00	2.18	GC-NC1
Total Xylenes*	0.265	0.150	01/28/2025	ND	6.33	105	6.00	3.30	
Total BTEX	0.365	0.300	01/28/2025	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	01/29/2025	ND	464	116	400	3.51	
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*	15.1	10.0	01/29/2025	ND	224	112	200	14.8	
DRO >C10-C28*	260	10.0	01/29/2025	ND	236	118	200	16.2	
EXT DRO >C28-C36	47.4	10.0	01/29/2025	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



Notes and Definitions

QR-04 The RPD for the BS/BSD was outside of historical limits.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

nterfering compounds.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(5/5) 393-232	(5/5) 383-2326 FAA (5/5) 383-24/6	4/0			
Company Name: Ensolum, LLC			BILL TO	ANALYSIS REQUEST	
Project Manager: Tracy Hillard			P.O. #:		
Address: 3122 National Parks Hwy	VW.		Company: XTO Energy	ygy	
City: Carlsbad	State: NM	Zip: 88220	Attn: Colton Brown		
Phone #: (575) - 937-3906	Fax #:		Address: 3104 E. Green St.	en St.	
Project #: 03C1558535	Project Owner:	77	City: Carlsbad		
-			State: NM Zip: 8	88220	
Project Location: 32.5346, -104.21384	1.21384		Phone #: 575-988-2390		
2			Fax#:		
A TWO BISH OFFT BIOS			PRESERV. SAN	SAMPLING	
Lab I.D. Sample I.D.	D. Depth (feet)	(G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER: DATE	BTEX TPH Chlorides	
1 800	y	_	1 Waxas	1817 / / /	
				3	
					<i></i>
					7
PLEASE NOTE: Lucially and Demagns. Cardinath's lability and client's exclusive remedy for any dain arising whether based in contract or time, shall be strated to the amount paid by the client for the analyses. All dains including those for negligance and dainy other cause whatevower that be destroot waited univers made in writing and incorated by Cardinal within 30 days after carepletism of the applicable service, in no event shall Cardinal be labile for incidental or consequential damages, including without limitation, business interruptions, loss of one, or loss of goods incurred by client, in subsolicities,	indical's lability and cliert's exclusive remedy to figence and any other cause whistoneer shall be for incidental or consequental damages, includ-	exhause whitely for any dain waising whether based in control of tors, what be trinked to the amount pact by the client for the wheteloover that the destroy which others made in welling and received by Cardinal within 30 days after completion of the said damages, tockoding without limitation, business interruptions, loss of one, or loss of profits incurred by client, its subodicinis	not or tors, whall be similed to the amount pr and received by Carathell within 30 days at ms, loss of use, or loss of profits incurred by	out pad by the client for the days after completion of the applicable red by client, its subsidiaries.	
Relinquished By:	Datty: 1-2 S 2 S	- 10	E CORRO (IJON BY) III ON BOOM BARRO	Verbal Result:	łum, com
Relinquished By:	Date:	Received By:		0136803	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Carracted Tamps "C	Sample Condition Cool Intact Cool Intact Cool Intact	tion CHECKED BY: (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Above Standard Cool Infact Observed Temp. Thermometer ID #45** August 10 845** Thermometer ID #45** August 10 845** August 10 84	ample Condition Observed Temp. °C Corrected Temp. °C



January 31, 2025

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: AVALON UT 657

Enclosed are the results of analyses for samples received by the laboratory on 01/28/25 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

CARLSBAD NM, 88220

Reported:

31-Jan-25 15:42



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

Analytical Results For:

ENSOLUM Project: AVALON UT 657
3122 NATIONAL PARKS HWY Project Number: 03C1558535

Project Manager: TRACY HILLARD

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 08 4'	H250492-01	Soil	27-Jan-25 12:26	28-Jan-25 13:25
FS 11 4'	H250492-02	Soil	27-Jan-25 12:35	28-Jan-25 13:25
FS 09 2.5'	H250492-03	Soil	27-Jan-25 14:08	28-Jan-25 13:25
FS 12 4'	H250492-04	Soil	27-Jan-25 15:30	28-Jan-25 13:25

01/31/25 - Client requested a rerun of the TPH on sample -03. The rerun value came out lower and outside of the 30% RPD limit for the method. The TPH was replaced with the reanalyzed results. This is the revised report and will replace the one sent on 01/30/25.

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Celeg D. Keens



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Reported: 31-Jan-25 15:42

Fax To:

FS 08 4' H250492-01 (Soil)

Analyte	Result	MDL F	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	896		16.0	mg/kg	4	5012916	HM	29-Jan-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	GC-NC
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		96.5 %	71.5	-134	5012863	ЛН	29-Jan-25	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012833	MS	29-Jan-25	8015B	
DRO >C10-C28*	381		10.0	mg/kg	1	5012833	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	74.3		10.0	mg/kg	1	5012833	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctane			89.1 %	48.2	-134	5012833	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	5012833	MS	29-Jan-25	8015B	

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Reported: 31-Jan-25 15:42

Fax To:

FS 11 4' H250492-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1340		16.0	mg/kg	4	5012916	HM	29-Jan-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012863	JН	29-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	0)		94.2 %	71.5	-134	5012863	ЈН	29-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012839	MS	28-Jan-25	8015B	
DRO >C10-C28*	27.5		10.0	mg/kg	1	5012839	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012839	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctane			92.3 %	48.2	-134	5012839	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			92.6 %	49.1	-148	5012839	MS	28-Jan-25	8015B	

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Celeg D. Keene



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Reported: 31-Jan-25 15:42

Fax To:

FS 09 2.5' H250492-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	5012916	HM	29-Jan-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		93.9 %	71.5	-134	5012863	JH	29-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012839	MS	30-Jan-25	8015B	
DRO >C10-C28*	74.6		10.0	mg/kg	1	5012839	MS	30-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012839	MS	30-Jan-25	8015B	
Surrogate: 1-Chlorooctane			83.4 %	48.2	-134	5012839	MS	30-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			77.9 %	49.1	-148	5012839	MS	30-Jan-25	8015B	

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Reported: 31-Jan-25 15:42

Fax To:

FS 12 4' H250492-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	5012916	HM	29-Jan-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		93.4 %	71.5	-134	5012863	JH	29-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012839	MS	28-Jan-25	8015B	
DRO >C10-C28*	51.3		10.0	mg/kg	1	5012839	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012839	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctane		·	98.7 %	48.2	-134	5012839	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			98.1 %	49.1	-148	5012839	MS	28-Jan-25	8015B	

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Celey D. Keens



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Reported: 31-Jan-25 15:42

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5012916 - 1:4 DI Water										
Blank (5012916-BLK1)				Prepared &	Analyzed:	29-Jan-25				
Chloride	ND	16.0	mg/kg							
LCS (5012916-BS1)				Prepared &	z Analyzed:	29-Jan-25				
Chloride	464	16.0	mg/kg	400		116	80-120			
LCS Dup (5012916-BSD1)				Prepared &	Analyzed:	29-Jan-25				
Chloride	448	16.0	mg/kg	400		112	80-120	3.51	20	

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%REC

Limits

RPD

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Analyte

o-Xylene

Total Xylenes

Surrogate: 4-Bromofluorobenzene (PID)

Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Spike

Level

Source

Result

%REC

100

99.8

90.5

86.1-125

88.2-128

71.5-134

2.02

16.7

16.3

Reported: 31-Jan-25 15:42

RPD

Limit

Notes

Fax To:

Reporting

Limit

Result

2.00

5.99

0.0452

0.050

0.150

mg/kg

mg/kg

mg/kg

2.00

6.00

0.0500

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Units

Batch 5012863 - Volatiles									
Blank (5012863-BLK1)				Prepared: 28-Jan	n-25 Analyzed: 2	9-Jan-25			
Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500	93.5	71.5-134			
LCS (5012863-BS1)				Prepared: 28-Jan	ı-25 Analyzed: 2	9-Jan-25			
Benzene	1.98	0.050	mg/kg	2.00	99.0	82.8-130			
Toluene	2.07	0.050	mg/kg	2.00	104	86-128			
Ethylbenzene	2.00	0.050	mg/kg	2.00	99.9	85.9-128			
m,p-Xylene	3.92	0.100	mg/kg	4.00	98.0	89-129			
o-Xylene	1.96	0.050	mg/kg	2.00	98.1	86.1-125			
Total Xylenes	5.88	0.150	mg/kg	6.00	98.0	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0457		mg/kg	0.0500	91.4	71.5-134			
LCS Dup (5012863-BSD1)				Prepared: 28-Jan	n-25 Analyzed: 2	9-Jan-25			
Benzene	2.04	0.050	mg/kg	2.00	102	82.8-130	2.78	15.8	
Toluene	2.12	0.050	mg/kg	2.00	106	86-128	2.39	15.9	
Ethylbenzene	2.04	0.050	mg/kg	2.00	102	85.9-128	2.05	16	
m,p-Xylene	3.99	0.100	mg/kg	4.00	99.7	89-129	1.67	16.2	

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%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Spike

Source

Reported: 31-Jan-25 15:42

RPD

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5012833 - General Prep - Organics										
Blank (5012833-BLK1)				Prepared &	k Analyzed:	28-Jan-25				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	51.3		mg/kg	50.0		103	49.1-148			
LCS (5012833-BS1)				Prepared &	analyzed:	28-Jan-25				
GRO C6-C10	224	10.0	mg/kg	200		112	81.5-123			
DRO >C10-C28	236	10.0	mg/kg	200		118	77.7-122			
Total TPH C6-C28	461	10.0	mg/kg	400		115	80.9-121			
Surrogate: 1-Chlorooctane	65.7		mg/kg	50.0		131	48.2-134			
Surrogate: 1-Chlorooctadecane	65.0		mg/kg	50.0		130	49.1-148			
LCS Dup (5012833-BSD1)				Prepared &	k Analyzed:	28-Jan-25				
GRO C6-C10	193	10.0	mg/kg	200		96.7	81.5-123	14.8	13	QR-04
DRO >C10-C28	201	10.0	mg/kg	200		101	77.7-122	16.2	15.6	QR-04
Total TPH C6-C28	395	10.0	mg/kg	400		98.6	80.9-121	15.5	18.5	
Surrogate: 1-Chlorooctane	58.4		mg/kg	50.0		117	48.2-134			
Surrogate: 1-Chlorooctadecane	57.2		mg/kg	50.0		114	49.1-148			
Batch 5012839 - General Prep - Organics										
Blank (5012839-BLK1)				Prepared &	k Analyzed:	28-Jan-25				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	57.2		mg/kg	50.0		114	48.2-134			

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mg/kg

50.0

118

49.1-148

59.1

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Surrogate: 1-Chlorooctadecane



%REC

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Spike

Source

Reported: 31-Jan-25 15:42

RPD

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5012839 - General Prep - Organics										
LCS (5012839-BS1)				Prepared &	દે Analyzed:	28-Jan-25				
GRO C6-C10	201	10.0	mg/kg	200		101	81.5-123			
DRO >C10-C28	197	10.0	mg/kg	200		98.6	77.7-122			
Total TPH C6-C28	398	10.0	mg/kg	400		99.6	80.9-121			
Surrogate: 1-Chlorooctane	58.4		mg/kg	50.0		117	48.2-134			
Surrogate: 1-Chlorooctadecane	57.8		mg/kg	50.0		116	49.1-148			
LCS Dup (5012839-BSD1)				Prepared &	દે Analyzed:	28-Jan-25				
GRO C6-C10	201	10.0	mg/kg	200		100	81.5-123	0.190	13	
DRO >C10-C28	196	10.0	mg/kg	200		97.9	77.7-122	0.755	15.6	
Total TPH C6-C28	397	10.0	mg/kg	400		99.1	80.9-121	0.469	18.5	
Surrogate: 1-Chlorooctane	58.0		mg/kg	50.0		116	48.2-134			
Surrogate: 1-Chlorooctadecane	60.1		mg/kg	50.0		120	49.1-148			

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Celey D. Keens



Notes and Definitions

QR-04 The RPD for the BS/BSD was outside of historical limits.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 F	(575) 393-2326 FAX (575) 393-2476				
Company Name: Ensolum, LLC			BILL TO	ANA	ANALYSIS REQUEST
Project Manager: Tracy Hillard		P.O. #:	77		
Address: 3122 National Parks Hwy		Comp	Company: XTO Energy	N N	
City: Carlsbad	State: NM Zip: 88220		Calton Brown		_
Phone #: (575) - 937-3906	Fax #:	Addr	Address: 3104 E. Green St	an St.	
Project #: 03C1558535	Project Owner:	City:	Carlsbad		_
		State:	NM Zip:	88220	
	384	Phon	Phone #: 575-988-2390		
Sampler Name: Mario Sarkis		Fax #:			
NAME OF THE PARTY HOS		MATRIX	PRESERV. SAMPLING	LNG	
Lab I.D. Sample I.D.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE:	OTHER:	втех трн	
80531			V VS/TS	1336 / / /	
3	G		<	5	
4 5513	1 2 4		, v	1530 V V V	
			S	2 / 2	
			1	12/1	
			-		
PLEASE NOTE: Liability and Dumagos, Cardical's liability and client's us analyses. All claims including floors for nephylence and any office seaso service. In no event shall Continue be liable for endorstal or consequential.	dusive remedy for any claim shutboover shall be deemed damages, including without	arsing whether based in contract or fort, shall waived unless made in writing and received b lendadon, business interruptions, loss of use,	of be smited to the amount pair by Cardnal within 30 days after a, or loss of profits innured by o	past by the cleent for the after completion of the applicable by cleent, its autoclasies.	
efficiency to populate a lating out of or related in the autorian Rellinquished By:	OI G	ed By:		Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: thillard@ensolum.com / mss/kis@ensolum.com / kthompson@ensolum.com	Add'I Phone #: ide Email address: solum.com / kthompson@ensolum.com
Relinquished By:	Date: Received By	ed By:		REMARKS: Incident #: nAPP2420136803	103
Delivered By: (Circle One)	Oncerved Temp. C. 3	Sample Condition	CHECKED BY: (Initials)	Turneround Time: Standard	(2) m
Sampler - UPS - Bus - Other:	Corrected Temps, 1C O. U.	The Dies	7	76 44	Yes Yes



March 05, 2025

TRACY HILLARD
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: AVALON UT 657

Enclosed are the results of analyses for samples received by the laboratory on 02/27/25 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. 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 TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/27/2025

Reported: 03/05/2025
Project Name: AVALON UT 657
Project Number: 03C1558535

Project Location: XTO 32.5346-104.21384

Sampling Date: 02/26/2025

Sampling Type: Soil

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

Sample ID: BF 01 0.5' (H251177-01)

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	03/03/2025	ND	2.12	106	2.00	5.54	
Toluene*	<0.050	0.050	03/03/2025	ND	2.18	109	2.00	6.90	
Ethylbenzene*	< 0.050	0.050	03/03/2025	ND	2.27	113	2.00	8.70	
Total Xylenes*	<0.150	0.150	03/03/2025	ND	7.04	117	6.00	9.29	
Total BTEX	<0.300	0.300	03/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/03/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	187	93.5	200	2.69	
DRO >C10-C28*	10.5	10.0	03/03/2025	ND	177	88.6	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					
Surrogate: 1-Chlorooctane	92.2	% 71.8-14	8						
Surrogate: 1-Chlorooctadecane	88.0	% 63.9-15	5						

Applyand By 14

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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. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(675) 3	(575) 393-2326 FAX (575) 393-2476		ANALYSIS REQUEST
ompany Name: Ensolum, LLC		BILL TO	
roject Manager: Types	ex Hillard		
9	2	lan.	
sty: Cartsbak	State: NM Zip: 8822	Attn:	4
#	Fax#:	o. Store	
Project #: 03C1558535	\$35 Project Owner: X10	0	
me:	m WT 657	State: Z.7 Ap: a o square	
	300	Phone #:	
B	Ferrell	Fax #: SAMPLING	
LOW TWO BEIN BYT WOL	R	1	des
Lab I.D. Sam	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER	OTHER:	Chlorid TPH
18 / 11/57H	- 1	* 2/24/25	XXX
NI.			AR
PLEASE NOTE: Liability and Demagns.	Cardinal's labely and client	restlation remonly for any claim analog whether based in conduct or lost, shall be limited in the amount paid by the claim for the se additionable for the analog last completion of the applicable on the analog last completion of the applicable on which the property shall be destined, which of which analog last completion of the applicable on the property shall be destined, which destined in acting and included the property shall be destined, the schadulation of the applicable of the property shall be destined, which is a shall be destined to the property of the applicable of the property shall be destined which are the property of	in paid by the cleant for the paids completelant for the paids completelant of the applicable of the applicable of the applicable.
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Relinquished By:	Date: Received By	Men change	13 618 1001 Bacteria (only) 8
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Correct	Sample Condition CHECKED BY: Tool Initials) Thes Tyes One No No CHECKED BY: To C	Turnaround lime: Standard Cool Intact Observed Temp. "C Thermometer ID ***********************************
YUKAPOD K 3.2	+	t verbal changes. Please email chang	Cardinal cannot accept verbal changes. Please email changes to celey.keene@čaldinallabsnru.com



February 11, 2025

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: AVALON UT 657

Enclosed are the results of analyses for samples received by the laboratory on 01/28/25 16:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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 705 W WADLEY AVE. MIDLAND TX, 79705 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Reported: 11-Feb-25 15:19

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 06 0-4'	H250509-01	Soil	28-Jan-25 13:13	28-Jan-25 16:41
SW 07 0-4'	H250509-02	Soil	28-Jan-25 12:21	28-Jan-25 16:41
FS 05 7'	H250509-03	Soil	28-Jan-25 13:21	28-Jan-25 16:41
FS 06 7'	H250509-04	Soil	28-Jan-25 13:35	28-Jan-25 16:41
SW 08 4-7'	H250509-05	Soil	28-Jan-25 13:30	28-Jan-25 16:41

02/11/25 - Client changed the sample ID on -05 (see COC). This is the revised report and will replace the one sent on 01/30/25.

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11-Feb-25 15:19



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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: AVALON UT 657 Project Number: 03C1558535

Project Manager: TRACY HILLARD

Fax To:

.

SW 06 0-4' H250509-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	5012915	AC	29-Jan-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		93.2 %	71.5	-134	5012863	JH	29-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctane			97.6 %	48.2	-134	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	5012906	MS	29-Jan-25	8015B	

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11-Feb-25 15:19



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

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: AVALON UT 657
Project Number: 03C1558535

Project Manager: TRACY HILLARD

Fax To:

SW 07 0-4' H250509-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	5012915	AC	29-Jan-25	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			94.3 %	71.5	-134	5012863	JH	29-Jan-25	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctane			89.4 %	48.2	-134	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			96.8 %	49.1	-148	5012906	MS	29-Jan-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

535 11-Feb-25 15:19

Fax To:

FS 05 7' H250509-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	960		16.0	mg/kg	4	5012915	AC	29-Jan-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		93.4 %	71.5	-134	5012863	ЈН	29-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
DRO >C10-C28*	39.3		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctane			101 %	48.2	-134	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			109 %	49.1	-148	5012906	MS	29-Jan-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Reported: 11-Feb-25 15:19

Fax To:

FS 06 7' H250509-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	1040		16.0	mg/kg	4	5012915	AC	29-Jan-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		94.4 %	71.5	-134	5012863	JH	29-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctane			99.8 %	48.2	-134	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	5012906	MS	29-Jan-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

8535 11-Feb-25 15:19

Fax To:

SW 08 4-7' H250509-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	368		16.0	mg/kg	4	5012915	AC	29-Jan-25	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012863	JH	29-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		94.5 %	71.5	-134	5012863	JH	29-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctane			90.4 %	48.2	-134	5012906	MS	29-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			98.5 %	49.1	-148	5012906	MS	29-Jan-25	8015B	

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Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Reported: 11-Feb-25 15:19

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	result			20.01	TOBAT	,,,,,	Ziiiiko		2	11000
Batch 5012915 - 1:4 DI Water										
Blank (5012915-BLK1)				Prepared &	Analyzed:	29-Jan-25				
Chloride	ND	16.0	mg/kg							
LCS (5012915-BS1)				Prepared &	Analyzed:	29-Jan-25				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5012915-BSD1)				Prepared &	: Analyzed:	29-Jan-25				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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%REC

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: AVALON UT 657
Project Number: 03C1558535
Project Manager: TRACY HILLARD

Reported: 11-Feb-25 15:19

RPD

Fax To:

Reporting

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Spike

Source

		Reporting		Spike	Source		70KEC		KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5012863 - Volatiles										
Blank (5012863-BLK1)				Prepared: 2	28-Jan-25 A	nalyzed: 2	9-Jan-25			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		93.5	71.5-134			
LCS (5012863-BS1)				Prepared: 2	28-Jan-25 A	nalyzed: 2	9-Jan-25			
Benzene	1.98	0.050	mg/kg	2.00		99.0	82.8-130			
Toluene	2.07	0.050	mg/kg	2.00		104	86-128			
Ethylbenzene	2.00	0.050	mg/kg	2.00		99.9	85.9-128			
m,p-Xylene	3.92	0.100	mg/kg	4.00		98.0	89-129			
o-Xylene	1.96	0.050	mg/kg	2.00		98.1	86.1-125			
Total Xylenes	5.88	0.150	mg/kg	6.00		98.0	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0457		mg/kg	0.0500		91.4	71.5-134			
LCS Dup (5012863-BSD1)				Prepared: 2	28-Jan-25 A	nalyzed: 2	9-Jan-25			
Benzene	2.04	0.050	mg/kg	2.00		102	82.8-130	2.78	15.8	
Toluene	2.12	0.050	mg/kg	2.00		106	86-128	2.39	15.9	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	85.9-128	2.05	16	
m,p-Xylene	3.99	0.100	mg/kg	4.00		99.7	89-129	1.67	16.2	
o-Xylene	2.00	0.050	mg/kg	2.00		100	86.1-125	2.02	16.7	
Total Xylenes	5.99	0.150	mg/kg	6.00		99.8	88.2-128	1.79	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0452		mg/kg	0.0500		90.5	71.5-134			

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 aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 sur 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



%REC

Analytical Results For:

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705 Project: AVALON UT 657 Project Number: 03C1558535 Project Manager: TRACY HILLARD

Spike

Source

Reported: 11-Feb-25 15:19

RPD

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5012906 - General Prep - Organics										
Blank (5012906-BLK1)				Prepared &	ն Analyzed:	29-Jan-25				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.0		mg/kg	50.0		104	48.2-134			
Surrogate: 1-Chlorooctadecane	54.0		mg/kg	50.0		108	49.1-148			
LCS (5012906-BS1)				Prepared &	ն Analyzed:	29-Jan-25				
GRO C6-C10	218	10.0	mg/kg	200		109	81.5-123			
DRO >C10-C28	214	10.0	mg/kg	200		107	77.7-122			
Total TPH C6-C28	431	10.0	mg/kg	400		108	80.9-121			
Surrogate: 1-Chlorooctane	54.6		mg/kg	50.0		109	48.2-134			
Surrogate: 1-Chlorooctadecane	54.8		mg/kg	50.0		110	49.1-148			
LCS Dup (5012906-BSD1)				Prepared &	k Analyzed:	29-Jan-25				
GRO C6-C10	225	10.0	mg/kg	200		112	81.5-123	3.32	13	
DRO >C10-C28	227	10.0	mg/kg	200		113	77.7-122	5.92	15.6	
Total TPH C6-C28	451	10.0	mg/kg	400		113	80.9-121	4.62	18.5	
Surrogate: 1-Chlorooctane	56.7		mg/kg	50.0		113	48.2-134			
Surrogate: 1-Chlorooctadecane	56.0		mg/kg	50.0		112	49.1-148			

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Celeg D. Keens

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence aring any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 sur 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. Keens

Celey D. Keene, Lab Director/Quality Manager

Page 11 of 12

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name: Ensolum, LLC							
	Hillard		P.O.#:		+	-	ANALYSIS REQUEST
œ.	uite 400		Company: XTO E	XTO Energy, Inc			
City: Midland	State: TX	Zip: 79701		3		_	
Phone #: 575 - 937 - 3% [Fax #:		65	Greene St	_		
Project #: 03/21558535	Project Owner:	er: XTO Energy	City: Carlsbad		_		
Project Name: Avalog UT	.57		: NM Zip:	88220	_		
Project Location: 3 A. 5346	-104.21384	4	1	Ordinary	_	_	
Sampler Name: May: Sar	K:S		Fax #:			_	
FOR LAST USE ONLY		MATRIX	ESERV.	SAMPLING	_	_	
_	Denth	RS	\		_	00	
Lab I.D. Sample I.D. 4250579	(feet)	(G)RAB OR (# CONTAINE GROUNDWA WASTEWATE SOIL OIL SLUDGE	OTHER: ACID/BASE: CE/COOL SOTHER:	TIME	TPH 8015 BTEX 8021	Chloride 45	
1 Swole	0-4	c	<	-	2	1	
2 Swe7	0-4	2	0	22	2	1	
Sostos	7	0 - 7	\	1321	1	1	
2000	1	0 1 0	<	1335	1	1	
S S S	4-7'	0 1	<	0	6	7	
*				100	+		
				2/11/1			
			/		+		
EASE NOTE: Lisbilly and Dansagos. Cardinal's liability and clients aligners. All claims, including those for negligence and any other case vice. In no overell shall Cardinal by liabile has included in com-	erclusive remedy for se whathoever shall be	clain ari	ang whether based is contract or fart, shall be limited to the amount paid by the client for the wed univers made in witing and received by Continui within 30 days after competitor of the applicable.	after completion of the app	écabie		-
elinquished By:	Of services hereunder by C.	Rece	loss of use, or loss of profits incurred in besend upon any of the above statu	of by cleant, its subsidiaryes, and measures or otherwise.	3		
Mh	164/35 Time:			All Results are	emailed	d. Please provi	All Results are emailed. Please provide Email address: \(\sigma_f \rangle \lambda_f \rangle \cdot \rangle \lambda_f \rangle \lambda_f \rangle \cdot \rangle \r
eimquished By:	Date:	Received By:		REMARKS:	Luciae	11 21 10	n Afranzo 136803
helivered By: (Circle One) Observampler - UPS - Bus - Other: Carre	3 3	Sample Condition Cool Intact Tes Pres Pres	n CHECKED BY:	Turnaround Time:	Take (Standard	Bacteria (only) Sample Condition Cool Intact Observed Temp. "C
12/2010 2/5 8 0/0-103/7/J			45	Correction Facto	- 65°C	48-44	No Yes



APPENDIX D

September 26, 2024, Remediation Work Plan



September 26, 2024

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Remediation Work Plan

Avalon UT 657

Incident Number nAPP2420136803

Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Remediation Work Plan* (*Work Plan*) to document assessment and delineation activities completed to date and propose a work plan to address waste-containing soil identified at the Avalon UT 657 (Site). The purpose of the remediation activities was to determine the presence or absence of impacted and/or waste-containing soil resulting from a produced water and crude oil release at the Site. The following *Work Plan* proposes to remove impacted soil and waste-containing soil identified within the release extent.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 31, Township 20 South, Range 28 East, in Eddy County, New Mexico (32.5346°, -104.21384°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On June 28, 2024, corrosion of a flow line resulted in the release of 11 barrels (bbls) of produced water and 5 bbls of crude oil into the adjacent pasture area. No fluids were recovered. XTO submitted a Notification of Release (NOR) and Initial C-141 Application (C-141) on July 19, 2024. The release was assigned Incident Number nAPP2420136803.

SITE CHARACTERIZATION

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below and potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. On September 21, 1995, a New Mexico Office of the State Engineer (NMOSE) permitted well (CP-851) was measured and recorded a depth to groundwater of 115 feet bgs. The total depth of the well is 255 feet bgs. The location of the well is approximately 137 feet southwest of the release and is depicted on Figure 1. The CP-851 well was appropriated in September 1996 for use for "livestock watering" and "drinking and sanitary purposes and the irrigation of non-commercial trees, shrubs and lawns in conjunction with a commercial operation".

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Park Highway | Carlsbad, NM 882200 | ensolum.com

XTO Energy, Inc. Remediation Work Plan Avalon UT 657

Further investigation was completed to confirm the existence, location, and function of this well. Partial investigation was completed on October 1, 2019, for an approved release, Incident Number NAB1815756705. A water quality sample (WS01) was collected and submitted for analysis of total dissolved solids (TDS) by Standard Method (SM) 2540C. Laboratory analytical results for water sample WS01 indicated a TDS concentration of 11,600 milligrams per liter (mg/L). Based on a TDS concentration greater than 10,000 mg/L, the water well is not considered a fresh water well. The Well Record and Log and laboratory analytical report is included in Appendix A. On September 24, 2024, Ensolum personnel conducted a pedestrian survey to confirm the location of the well and distance to the release. The well was reported to be located at 32.53437°, -104.21421°; however, the physical location of the well is 32.534988°, -104.215215°, which is 430 feet northwest of the Site. Photographic documentation was completed during the investigation and a photographic log is included in Appendix B. The location of CP-851 is updated on Figure 1.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 1,187 feet northwest 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).

VARIANCE REQUEST AND CLOSURE CRITERIA

The New Mexico Oil Conservation Division (NMOCD) has a preference of depth to groundwater determinations to be within the last 25 years. Due to CP-851 depth to groundwater being determined 29 years prior to the date of the release, it exceeds the preferred age of data. Based on the lack of sensitive receptors at the Site, the Site not being underlain by unstable geology, and the reclamation standard being utilized in the top 4 feet bgs, XTO is requesting a variance for the preferred age of the nearest depth to groundwater data guideline.

Based on the results of the Site Characterization and the requested variance, 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 standard of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of the pasture area that was impacted by the release, per NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On September 17, 2024, Ensolum personnel conducted a Site visit to evaluate the release extent based on information in the C-141 and visual observations. The release extent was mapped utilizing a handheld



XTO Energy, Inc. Remediation Work Plan Avalon UT 657

Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

On September 20, 2024, Ensolum personnel returned to the Site to collect delineation samples from within the release. Three boreholes, BH01 through BH03, were advanced via hand auger within the release to assess the vertical extent of the release to terminal depths ranging from 1-foot bgs to 7 feet bgs. Delineation soil samples were collected from each borehole at depths ranging from 0.5 feet to 7 feet bgs. 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. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 2.

The delineation 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 contaminants 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 Standards Method SM4500.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for BH01 through BH03A, collected at depths ranging from 0.5 feet bgs to 5 feet bgs, indicated TPH-GRO/TPH-DRO, TPH, and/or chloride concentrations exceeded the Closure Criteria and/or reclamation requirement. Vertical delineation could not be achieved in boreholes BH01 and BH02 due to hand auger refusal; however, BH03B at 7 feet bgs indicated all COCs were compliant with the Closure Criteria, successfully defining the vertical extent of release. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate impacted and waste-containing soil with elevated TPH and chloride concentrations exists in the pasture across an approximate 2,140 square foot area and extends to depths ranging from 0.5 feet to 7 feet bgs. As such, XTO proposes to complete the following remediation activities:

- Additional investigation to confirm depth to groundwater at CP-851.
- Excavation of impacted and waste-containing soil to a maximum depth of up to 7 feet bgs.
 Excavation will proceed laterally until sidewall samples confirm all COC concentrations are compliant with the Closure Criteria and/or reclamation requirement.
- An estimated 560 cubic yards of soil will be excavated and disposed of at the R360 disposal facility in Hobbs, New Mexico.
- The excavation will be backfilled with locally procured material and recontoured to match preexisting conditions.
- The backfilled area will be reseeded with a BLM approved seed mix within 90 days or during the next BLM recommended planting season.



XTO Energy, Inc. Remediation Work Plan Avalon UT 657

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

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

Tracy Hillard Project Engineer Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

cc: Amy Ruth, XTO

Amanda Garcia, XTO

BLM

Appendices:

Figure 1 Site Location Map

Figure 2 Delineation Soil Sample Locations
Table 1 Soil Sample Analytical Results

Appendix A Referenced Well Records and Laboratory Analytical Report

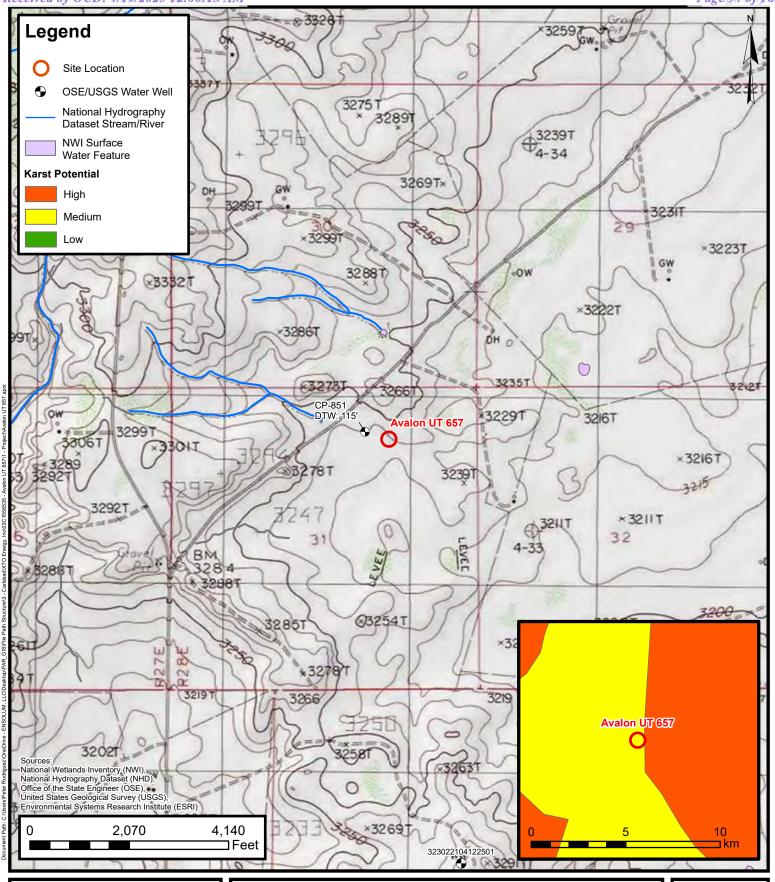
Appendix B Photographic Log

Appendix C Lithologic / Soil Sampling Logs

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



FIGURES





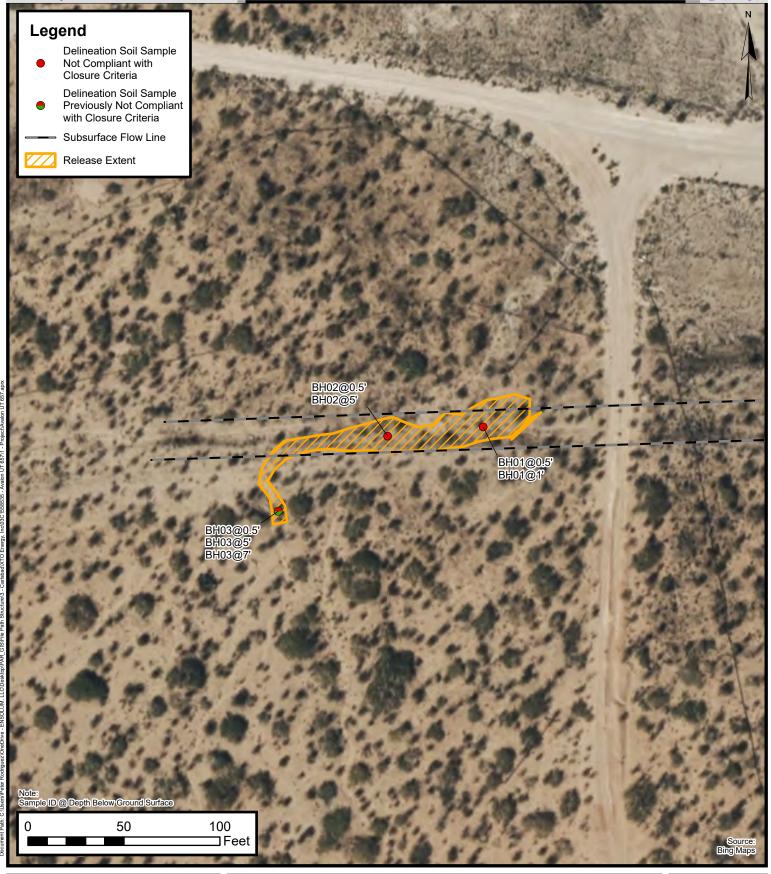
Site Receptor Map

XTO Energy, Inc Avalon UT 657

Incident Number: nAPP2420136803

Unit B, Sec 31, T20S, R28E Eddy County, New Mexico FIGURE

Released to Imaging: 5/1/6/2025-8801809 PMI





Delineation Soil Sample Locations

XTO Energy, Inc Avalon UT 657

Incident Number: nAPP2420136803

Unit B, Sec 31, T20S, R28E Eddy County, New Mexico **FIGURE**

2



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Avalon UT 657 XTO Energy, Inc Eddy 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 Cl	osure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000	
	Delineation Soil Samples										
BH01	09/20/2024	0.5	<0.050	9.92	575	12,700	2,420	13,275	15,695	4,240	
BH01A	09/20/2024	1	<0.200	33.5	726	8,970	1,670	9,696	11,366	8,260	
BH02	09/20/2024	0.5	<0.050	10.2	618	13,400	2,670	14,018	16,688	3,000	
BH02A	09/20/2024	5	<0.050	3.56	162	1,760	310	1,922	2,232	6,720	
BH03	09/20/2024	0.5	<0.050	31.0	1,970	21,500	3,750	23,470	27,220	48.0	
BH03A	09/20/2024	5	<0.050	1.38	60.9	1,250	206	1,311	1,517	80.0	
BH03B	09/20/2024	7	<0.050	<0.300	14.2	490	89	504	594	96.0	

Notes:

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

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



APPENDIX A
Referenced Well Records
and Laboratory Analytical Report

2 - 0 Page 99 lof 162

Revised June 1991 10

APPLICATION TO APPROPRIATE UNDERGROUND WATERS IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES

1	Name and mailing address of applicant:		File No	-851	
••	Exxon Corporation (Joe R. Glass - A	Agent)	RECEIVED:	08-16-95	
	P.O. Box 1600, ML-14	- 			
	Midland, Texas 79702				
2.		 subheadi	ngs: Avalon WSW	#1	
٤.					NHPM.
	a. SE <u>x NW x NE x of Sec</u> In <u>Eddy</u>	County.	тыр	_ Kge	
	b. X = feet, Y = Zone in the		feet, h	lew Mexico Coordina	te System Grant.
3.	Approximate depth (if known)250	feet; out	side diameter of casing	6 5/8"	_ inches.
	Name of driller (if known)Glenn's Water				
4.	Use of water (check use applied for):				
	One household, non-commercial trees, lawn and	d garden (not to exceed one acre		
	Livestock watering.				
	More than one household, non-commercial tree	s, lawns	and gardens not to exc	eed a total of one	acre.
	Drill and test a well intended to be used fo in conjunction with the building or dwelling		c, drinking and sanita	ry or stock water p	ourposes
	Drinking and sanitary purposes and the irrig conjunction with a commercial operation.	pation of	non-commercial trees,	shrubs and lawns fo	
	X Prospecting, mining or drilling operations t	o discove	r or develop natural r	esources.	95 AUG
	Construction of public works, highways and r	roads.			10
	If any of the last three items were marked, give	_	! nature of business u	nder Remarks (Item	
5	. Remarks: Water from Avalon WSW #1 w				
	Exxon Corporation's Avalon (Delawa	are) Ur	it No. 2216.		2 8 5
-					
	i, Joe R. Glass , affirm knowledge and belief and that development shall no				
				ie permit nas been	obterned.
	1 P GO	, Applica	18 .	14 1005	
	By: Joe R. Glass		Date: Aug	ust 14, 1995	
=	<u> </u>			<u> </u>	
	ACTION OF	STATE	ENGINEER		
	his application is approved for the use indica				
a	onditions numbered 1, 3, 5a & 6 utomatically expire unless this well is drill August 31, 1996	ed or di	on the reverse side of the mell	e hereof. This per record filed on	rmit will or before
-			METER RE	OUIRFD	•
	P. L.		SEE CONDITION	OF APPROVAL	No. 5a
8	Thomas C. Turney (July XX Harry LAXX State Engineer y: Johnny R. Hernandez, Lea County	Basin	Supervisor		
0	August /7 , 1995		File No	CP-851	
	un Palad. Q	12119	5 Placetes P	nort Filed:	N/A

150







CEMERAL CONDITIONS OF APPROVAL

- A. The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.
- 8. The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eights (2 3/8) inches outside diameter (Section 72-12-12).
- C. Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Failure to file the well record within that time shall result in automatic cancellation of the permit. Well record forms will be provided by the State Engineer upon request.
- D. The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- E. If the well under this permit is used at any time to serve more than one household or livestock in a commercial feed lot operation, or for drinking and sanitation purposes in conjunction with a commercial operation, the permittee shall comply with Specific Conditions of Approval number 5(b).
- F. In the event this well is combined with other wells permitted under Section 72-12-1 New Mexico Statucos Annotated, the total outdoor use shall not exceed the irrigation of one acre of non-commercial trees, iawn, and garden, or the equivalent outside consumptive use, and the total appropriation for household and outdoor use from the entire water distribution system shall not exceed 3 acre-feet in any year.
- G. If artesian water is encountered, all rules and regulations pertaining to the drilling and casing of artesian wells shall be complied with.

SPECIFIC COMDITIONS OF APPROVAL

(Applicable only when so indicated on the other side of this form.)

- 1. Depth of the well shall not exceed the thickness of the (a) valley fill or (b) Ogallala formation.
- 2. The well shall be constructed to artesian well specifications and the Stage Engineer shall be notified before casing is landed or cemented.
- Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.
- Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- 5. A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor: (a) for each calendar month, on or before the 10th day of the following month (b) on or before the 10th of January, April, July and October of each year for the three preceding calendar months (c) for each calendar year on or before the 10th day of January of the following year.
- 6. The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.
- 7. Final approval for the use of the well shall be dependent upon a leakage test made by the State Engineer.
- 8. Use shall be limited strictly to household, drinking and sanitary purposes; water shall be conveyed from the well to the place of use in closed conduit and the effluent returned to the underground so that it will not appear on the surface. No irrigation of lawns, gardens, trees or use in any type of pool or pond is authorized under this permit.
- 9. No water shall be used from this well unless and until a permit has been issued to an applicant who intends to use the water for any of the purposes describer in § 72-12-1.

INSTRUCTIONS

The application shall be made in the name of the actual user of the well for the purpose specified in the application.

The application shall be filed in triplicate and forwarded with a \$5,00 filing fee to the State Engineer. A separate application must be filed for each well to be drilled or used.

If well to be used is an existing well, an explanation (and the file number, if possible) should be given under Remarks (Item 5).

Applications for appropriation, well records and requests for information in the following basins should be addressed to the State Engineer at the location indicated.

Bluewater, Estancia, Río Grande, Sandia, Gallup and San Juan Basins District No. 1, 3311 Candelaria, NE, Suite A, Albuquerque, NM 87107

Capitan, Carlsbad, Curry County, Fort Summer, Hondo, Jal, Lea County, Penasco, Portales, Roswell, Tucumcari and Upper Pecos Basins <u>District No. 2, 1900 West Second Street, Roswell, NM 88201</u>

Animas, Gila-San Francisco, Lordsburg, Mimbres, Nutt-Hockett, Playas, San Simon and Virden Valley Basins District No. 3, P.O. Box 844, Deming, NM 88031

Lower Rio Grande, Tularosa, Hueco, Las Animas Creek and Hot Springs Basins District No. 4, 133 Wyatt Drive, Suite 3, Las Cruces, NM 88005

Canadian River Basin

State Engineer Office, P.O. Box 25102, Santa Fe, NM 87504-5102

THOMAS C. TURNEY

State Engineer



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ROSWELL

MT 1 25

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

September 3, 1996

Files: CP-850; CP-851

Joe R. Glass P. O. Box 1600, ML-14 Midland, TX 79702

Re: Exxon Corporation

Dear Mr. Glass:

Our records indicate that applications to appropriate underground waters Nos. CP-850 and CP-851 were approved August 17, 1995, with well records and plugging reports due in this office on or before August 31, 1996.

Please advise this office if well No. CP-850 has been drilled.

Specific Condition of Approval No. 6 states: "The well shall be plugged upon completion of the permitted use and a plugging report shall be filed with the State Engineer within 10 days." Otherwise an application for other type use 72-12-1 should be filed.

If you have any questions concerning this matter please contact me.

Yours truly,

Johnny R. Hernandez

Lea County Basin Supervisor

JRH/rpa

cc: Santa Fe

ا قبلت بد سامین ۱۱۰۰ - تاریخ ۱۱۰۱ - تاریخ



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

EXMINIMATINEED Thomas C. Turney

ROSWELL

DISTRICT II 1900 West Second St. Roswell, New Mexico 88201 (505) 622-6521

August 17, 1995

FILES: CP-850; CP-851

Exxon Corporation P. O. Box 1600, ML-14 Midland, TX 79702

Attn: Joe R. Glass, Agent

Dear Mr. Glass:

Please be advised of the following specific conditions of approval as indicated on permits:

Appropriation and use of water under the above numbered permits shall not exceed a period of one year from the date of approval.

Totalizing meters shall be installed before the first branch of the discharge line from the wells and the installation shall be acceptable to the State Engineer; the State Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meters prior to appropriation of water and pumping records shall be submitted to the District Supervisor for each calendar month, on or before the 30th day of the following month.

The wells shall be plugged upon completion of the permitted use and plugging reports shall be filed in the office of the State Engineer within 10 days.

Meter sheets made.

Meter sheets are enclosed for your convenience.

Yours truly,

Johnny R. Hernandez

Lea County Basin Supervisor

JRH/rpa encl.

cc: Santa Fe

STATE ENGINEER OFFICE WELL RECORD



Revised June 1972

Section 1. GENERAL INFORMATION

Street or	Post Office Ad	idress P.O.	Box 16	.00		Ow	ner's Well N	0	
City and	State Midl	and, Tex	(as 79	702-1600)				
ll was drilled	d under Permit	No. EI	8 50 CI	?-851	_ and is locate	d in the:			
. a	_ ¼ <u>₩₩</u> ⅓	NW 4 <u>N₩</u> % €	NE ₩ ¼ of Se	ection $\frac{31}{-32}$	Township	20-S. F	Range <u>28–</u>	E.	N.M.F
b. Tract	No	of Map No	•	of th	ie	·	_ 		
c. Lot N	o	of Block No.		of th	e	·		····· ··- <u>··-</u>	
Subdi	vision, recorde	d in			County.				
-					I.M. Coordinat	System			Zon
•									
Drilling (Contractor	Glenn's	Water W	ell Serv	ice	License No.	WD 421		
lress $\frac{P.O.}{}$	Box 692	Tatum,	New Mex	ico 882	267			·	
ling Began	9/14/9	5 Com	pleted <u>9/</u>	14/95	Type tools_	rotary	Size	of hole $\overline{2}$	7/8
ration of la	nd surface or _			at w	ell is	ft. Total dep	th of well_	255	
npleted wel		hallow 🔲				er upon completi			
	. 13 - 45 4					-	on of well _		
Depth	in Feet	Thickness			R-BEARING S		Fe	timated	Yield
From	То	in Feet		Description of	Water-Bearing	Formation		ons per r	
205	230	25		lime				12	
<u> </u>									
144 144 14 ₁		<u> </u>		4 DECCE			. <u> </u>		
Diameter	Pounds	Threads		in Feet	OF CASING Length	<u> </u>		Perfor	ations
(inches)	per foot	per in.	Тор	Bottom	(feet)	Type of S	hoe	From	To
6 5/	8 .188		1 .	257	257	orange	peel	181	257
	•								
7.6 7.1			i						
i.		Po eti	4 DECO	D OF MURE	This this can				L
Depth	in Feet	Hole	Sack		Ubic Feet				
From	То	Diameter	of M	ng o	f Cement		hod of Plac	ement	
	-								
		-						· · · · · · · · · · · · · · · · · · ·	·
: :		·							
-i C1	- • -		Section	n 5. PLUGGI?	NG RECORD				
ress	ctor	· · · · · · · · · · · · · · · · · · ·				Depth is	n Feet		bic Feet
	d ed				No.	Тор	Bottom		Cement
ging approv		,			2				
		State Engi	neer Represe	ntative	3				
				·····		1			
Received	09-21-95		FOR USE		NGINEER ONI				
w "•		ı	•	Quad		FWL	•	FSL_	
	CP-851	L		•		Location No. 20	0 20 21	91711	

Section 6. LOG OF HOLE							
Depth in Feet Thickness in Feet			Color and Type of Material Encountered				
O	8	8	caleche and dirt				
8	18	10	red clay				
18	24	6	sand				
24	65	4.1	sandy clay	24 · · · · · · · · · · · · · · · · · · ·			
65	84	1.9	rocky conglomerate	* <u>1</u>			
84	92	8	clay conglomerate	· .			
92	110	10	red clay				
110	142	32	tan rocky clay	الله و			
142	162	20	tan lime	, i.e.			
162	164	2	red clay	¥.**			
164	167	3	break				
167	182	15	red clay (some rocks)	SA SA			
182	188	. 6	lime (grey)				
188	205	17	lime with red clay breaks				
205	230	25	white lime with breaks (water)	South States			
230	240	10	tan lime and red clay				
240	255	15	red clay				
				\$ 100 miles			
			· · · · · · · · · · · · · · · · · · ·	<u> </u>			
							
	·						
				Berger .			
			· · · · · · · · · · · · · · · · · · ·				

Section 7. REMARKS AND ADDITIONAL INFORMATION

ROSWELL HEW MEXICO
795 SEP. 21 AM 10 34

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except ion 5, shall be answered as completely and parately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

READ INSTRUCTIONS ON BACK

Revised June 1991

APPLICATION TO APPROPRIATE UNDERGROUND WATERS IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES LANGUE

1.	Name and mailing address of applicant:		File No.	CP-851		
	Exxon Corporation (Alex M. Correa -	Agent)			00/10/0	
	P.O. Box 1600, ML-14			RECEIVED:	09/10/9	76
	Midland, Texas 79702					
2.	Describe well location under one of the following sub	oheadings:				
	a. SE x NW x NE x of sec. 31	TWp	20\$	Rge	28E	NHPH,
	b. X = feet, Y = Zone in the		feet	New Mexic	o Coordinate	System Grant.
3.	Approximate depth (if known)	; outside diame	eter of ca	asing 6	5/8"	inches.
	Name of driller (if known) Glenn's Water Wel	l Service,	Inc.,	Tatum, N	lew Mexico	88267
4.	Use of water (check use applied for):	IDIING WIL	<u></u>			
_	One household, non-commercial trees, lawn and gar	den not to exc	eed one a	cre.		
_	X_ Livestock watering.				C	
_	More than one household, non-commercial trees, la	awns and garder	s not to	exceed a tot		
	Drill and test a well intended to be used for dom in conjunction with the building or dwelling unit		g and san	nitary or sto		D 37
	X Drinking and sanitary purposes and the irrigation conjunction with a commercial operation.	n of non-commer	cial tree	es, shrubs an	d lawns in _H	
. —	Prospecting, mining or drilling operations to dis	scover or devel	op nature	i resources.	Ì	30
_	Construction of public works, highways and roads.					
	If any of the last three items were marked, give name	e and nature of	business	under Remar	ks (Item 5).	
5.	Remarks: The use of three (3) acre feet water will be used for sanitary purp livestock watering.	of water oses at a	per ye one ma	ar is rec n field c	uested. ffice and	This for
	, Alex M. Correa , affirm that mowledge and belief and that development shall not com					
	Exxon Corporation , Appl	icant				
	By: Atex M. Correa		te: Se	ptember 6	, 1996	
=					<u> </u>	 , ·
	ACTION OF STATE	TE ENGIN	ER			
cond	s application is approved for the use indicated, s ditions numbered 1 and 5b and H omatically expire unless this well is drilled or	on the i	everse s	ide hereof.	This permit	will
	existing well Thomas C. Turney	kar-		D =		
KKA	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	IVI E SFF	1 LK CONDIT	KEQUI	RED_ PROVAL N	-
By:	Johnny R. Hernandez, Lea County Basi	in Supervis	sor	ION JUE AF	TRUVAL N	10. <u>~ 6</u>
Date	e: September / 2 , 1996			CP-8	51	

150

GENERAL CONDITIONS OF APPROVAL

- A. The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.
- B. The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eights (2 3/8) inches outside diameter (Section 72-12-12).
- C. Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Failure to file the well record within that time shall result in automatic cancellation of the permit. Well record forms will be provided by the State Engineer upon request.
- D. The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- E. If the well under this permit is used at any time to serve more than one household or livestock in a commercial feed lot operation, or for drinking and sanitation purposes in conjunction with a commercial operation, the permittee shall comply with Specific Conditions of Approval number 5(b).
- F. In the event this well is combined with other wells permitted under Section 72-12-1 New Mexico Statutes Annotated, the total outdoor use shall not exceed the irrigation of one acre of non-commercial trees, lawn, and garden, or the equivalent outside consumptive use, and the total appropriation for household and outdoor use from the entire water distribution system shall not exceed 3 acre-feet in any year.
- G. If artesian water is encountered, all rules and regulations pertaining to the drilling and casing of artesian wells shall be complied with.

SPECIFIC CONDITIONS OF APPROVAL

(Applicable only when so indicated on the other side of this form.)

- Depth of the well shall not exceed the thickness of the (a) valley fill or (b) Ogallala formation.
- The well shall be constructed to artesian well specifications and the State Engineer shall be notified before casing is landed or cemented.
- Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.
- Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- 5. A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor: (a) for each calendar month, on or before the 10th day of the following month (b) on or before the 10th of January, April, July and October of each year for the three preceding calendar months (c) for each calendar year on or before the 10th day of January of the following year.
- 6. The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.
- 7. Final approval for the use of the well shall be dependent upon a leakage test made by the State Engineer.
- 8. Use shall be limited strictly to household, drinking and sanitary purposes; water shall be conveyed from the well to the place of use in closed conduit and the effluent returned to the underground so that it will not appear on the surface. No irrigation of lawns, gardens, trees or use in any type of pool or pond is authorized under this permit.
- 9. No water shall be used from this well unless and until a permit has been issued to an applicant who intends to use the water for any of the purposes described in § 72-12-1.

INSTRUCTIONS

The application shall be made in the name of the actual user of the well for the purpose specified in the application.

The application shall be filed in triplicate and forwarded with a \$5.00 filing fee to the State Engineer. A separate application must be filed for each well to be drilled or used.

If well to be used is an existing well, an explanation (and the file number, if possible)—should be given under Remarks (Item 5).

Applica " be addresse General Conditions of Approval Bluewater District icumcar i Capitan. H. The amount and uses of water permitted under and Upper this Application are subject to such limitations as sins Animas. 🤄 may be imposed by the courts or by lawful District municipal and county ordinances which are more Lower Ric restrictive than applicable State Engineer Regu-District lations and the conditions of this permit. Canadian

State Eng

100 mg



STATE OF NEW MEXICO '96 SEP 16 AM 11 32

STATE ENGINEER OFFICE

State Engineer ATE ENGINEER OFFICE September 12, 1996 SANTA FE NEW MEXICO

DISTRICT II 1900 West Second St. Roswell, New Mexico 88201 (505) 622-6521

FILE: CP-851

Alex M. Correa Exxon Corporation P. O. Box 1600, ML-14 Midland, TX 79702

Dear Mr. Correa:

Enclosed please find permit No. CP-851 for drinking & sanitary and stock purposes. Your attention is directed to the following specific conditions of approval as indicated on this permit:

The maximum amount of water that may be appropriated this permit is 3 acre-feet in any year.

A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the State Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water and pumping records shall be submitted to the District Supervisor on or before the 10th day of January, April, July and October of each year for the three preceding calendar months.

Meter sheets are enclosed for your convenience.

Yours truly,

Johnny R. Hernandez

Lea County Basin Supervisor

JRH/rpa encl.

Santa Fe

EXON COMPANY, U.S.A. POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

MIDLAND PRODUCTION ORGANIZATION OPERATIONS INTEGRITY

September 6, 1996

Files - CP-850; 851 Exxon Corporation Avalon Delaware Unit WSW No. 1 Sec. 31, T20S, R28E Eddy County, NM

State of New Mexico State Engineer Office 1900 West Second St. Roswell, NM 88201

Dear Mr. Hernandez:

Please be advised that well No. CP-850 was not drilled. The renewal application and \$5.00 renewal fee for well No. CP-851 (Avalon Delaware Unit WSW No. 1) is attached. If you have any questions please call me at (915) 688-6782.

Sincerely,

Alex M. Correa

ROSVELL NEW MEXICO

amc:nmengr.doc

A DIVISION OF EXXON CORPORATION



SETTLEMENT OF ACCOUNT
THE ATTACHED CHECK IS IN FULL
PAYMENT FOR THE ITEMS SHOWN
BELOW AND CONSTITUTES RECEIPT

MIDLAND PRODUCTION ORGANIZATION
POST OFFICE BOX 1600
MIDLAND, TEXAS 79702-1600

1

DESCRIPTION

Annual Renewal of Permit CP-851 for Avalon Delaware Unit WSW # 1



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

THOMAS C. TURNEY State Engineer

ROSWELL

DISTRICT II 1900 West Second St. Roswell, New Mexico 88201 (505) 622-6521

September 3, 1996

Files: CP-850; CP-851

Joe R. Glass P. O. Box 1600, ML-14 Midland, TX 79702

Re: Exxon Corporation

Dear Mr. Glass:

Our records indicate that applications to appropriate underground waters Nos. CP-850 and CP-851 were approved August 17, 1995, with well records and plugging reports due in this office on or before August 31, 1996.

Please advise this office if well No. CP-850 has been drilled.

Specific Condition of Approval No. 6 states: "The well shall be plugged upon completion of the permitted use and a plugging report shall be filed with the State Engineer within 10 days." Otherwise an application for other type use 72-12-1 should be filed.

If you have any questions concerning this matter please contact me.

Yours truly,

Johnny R. Hernandez

Lea County Basin Supervisor

JRH/rpa

cc: Santa Fe



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

THOMAS C. TURNEY State Engineer

ROSWELL

DISTRICT II 1900 West Second St. Roswell, New Mexico 88201 (505) 622-6521

June 26, 1997

File: CP-851

Karen S. Yarbrough Exxon Company, U.S.A. P. O. Box 1600 Midland, TX 79702-1600

Dear Ms. Yarbrough:

Enclosed please find returned renewal application No. CP-851 and check No. 029439 in the amount of \$5.00. Our records show that a permit No. CP-851 (72-12-1) was approved September 12, 1996 for Drinking and Sanitary purposes and stock use.

The maximum amount of water that may be appropriated under the permit is 3 acre-feet of water in any year from well CP-851.

The renewal application will not be necessary unless the present status of the use of the well changes. Water usage reports however, shall continue to be submitted quarterly.

If you have any questions, please feel free to call me at this office.

Yours truly,

Johnny R. Hernandez

Lea County Basin Supervisor

JRH/rpa encl.

cc: Santa Fe \

EXON COMPANY, U.S.A. POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

'97 JUN 25 AM 10 42

MIDLAND PRODUCTION ORGANIZATION
OPERATIONS INTEGRITY

June 24, 1997

File No.: CP-851 Avalon Delaware Unit WSW No. 1

Sec. 31, T20S, R28E Eddy County, New Mexico

Mr. John R. Hernandez State of New Mexico State Engineer Officer 1900 West Second Street Roswell, New Mexico 88201

Dear Mr. Hernandez:

It is our intent to renew our well No. CP-851 and attached is the renewal application and \$5.00 renewal fee. Please contact me at (915) 688-7871 if you have any questions regarding this application.

Sincerely,

Karen S. Yarbrough

/ksy:028 Attachments

1) Application to Appropriate Underground Waters

2) Check # 029439

A DIVISION OF EXXON CORPORATION



Revised June 1991

APPLICATION TO APPROPRIATE UNDERGROUND WATERS IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES 97 JUN 25 FIFT 10 42

1. Name and mailing	address of applicant:		File No.	CP-851	
Exxon Corpo	ration (Karen S.	Yarbrough - Ag	gent)		
P.O. Box 16	00, ML-14				
Midland, Te	xas 79702				
2. Describe well to	cation under one of the f	following subheading	s:		
a. SE ½ in Ed	NW ¼ NE ¼ of	Sec. 31 County.	THP. 20S	Rge	28E NMPM,
b. X =	feet,	Y =	feet	, New Mexico (Coordinate System Grant.
3. Approximate depti	n (if known) 255	feet; outsid	e diameter of cas	sing <u>6</u>	5/8 inches.
Name of driller	if known) Glenn's Wa	ater Well Serv	ice, Inc.,	Tatum, New	<u>Mexico 882</u> 67
4. Use of water (ch	eck use applied for):				
One household	d, non-commercial trees,	lawn and garden not	to exceed one ac	cre.	
X Livestock was	ering.				
More than one	household, non-commerci	al trees, lawns and	gardens not to e	exceed a total	of one acre.
	it a well intended to be on with the building or do		drinking and sani	tary or stock	water purposes
	sanitary purposes and the		commercial trees	, shrubs and l	awns in
Prospecting,	mining or drilling opera	tions to discover or	develop natural	resources.	
Construction	of public works, highways	s and roads.			
If any of the las	t three items were marked	d, give name and nat	ure of business	under Remarks	(Item 5).
	use of three (3) a be used for sanita tering.				
 Karen S. Y knowledge and belie 	<u>arbrough</u> , a f and that development sh	affirm that the fore nall not commence un	going statements til approval of	are true to t the permit has	he best of my been obtained.
Exxon Corpor	ation	, Applicant			
By: <u>Laceso</u> Karen S.	S. Jacken Yarbrough	ugh)	Date:J	lune 19, 19	997
	9-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				
	ACTION	OF STATE EN	GINEER		
conditions numbered _	approved for the use i	on	the reverse sid	de hereof. Th	is permit will
Eluid L. Martinez, St	ate Engineer				
Ву:					, e
_					
Date:			File No.		

and the same

GENERAL CONDITIONS OF APPROVAL

- A. The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.
- B. The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eights (2 3/8) inches outside diameter (Section 72-12-12).
- C. Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Failure to file the well record within that time shall result in automatic cancellation of the permit. Well record forms will be provided by the State Engineer upon request.
- D. The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- E. If the well under this permit is used at any time to serve more than one household or livestock in a commercial feed lot operation, or for drinking and sanitation purposes in conjunction with a commercial operation, the permittee shall comply with Specific Conditions of Approval number 5(b).
- F. In the event this well is combined with other wells permitted under Section 72-12-1 New Mexico Statutes Annotated, the total outdoor use shall not exceed the irrigation of one acre of non-commercial trees, lawn, and garden, or the equivalent outside consumptive use, and the total appropriation for household and outdoor use from the entire water distribution system shall not exceed 3 acre-feet in any year.
- G. If artesian water is encountered, all rules and regulations pertaining to the drilling and casing of artesian wells shall be complied with.

SPECIFIC CONDITIONS OF APPROVAL

(Applicable only when so indicated on the other side of this form.)

- 1. Depth of the well shall not exceed the thickness of the (a) valley fill or (b) Ogallala formation.
- The well shall be constructed to artesian well specifications and the State Engineer shall be notified before casing is landed or cemented.
- Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.
- Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- 5. A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor: (a) for each calendar month, on or before the 10th day of the following month (b) on or before the 10th of January, April, July and October of each year for the three preceding calendar months (c) for each calendar year on or before the 10th day of January of the following year.
- 6. The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.
- 7. Final approval for the use of the well shall be dependent upon a leakage test made by the State Engineer.
- 8. Use shall be limited strictly to household, drinking and sanitary purposes; water shall be conveyed from the well to the place of use in closed conduit and the effluent returned to the underground so that it will not appear on the surface. No irrigation of lawns, gardens, trees or use in any type of pool or pond is authorized under this permit.
- 9. No water shall be used from this well unless and until a permit has been issued to an applicant who intends to use the water for any of the purposes described in § 72-12-1.

INSTRUCTIONS

The application shall be made in the name of the actual user of the well for the purpose specified in the application.

The application shall be filed in triplicate and forwarded with a \$5.00 filing fee to the State Engineer. A separate application must be filed for each well to be drilled or used.

If well to be used is an existing well, an explanation (and the file number, if possible) should be given under Remarks (Item 5).

Applications for appropriation, well records and requests for information in the following basins should be addressed to the State Engineer at the location indicated.

Bluewater, Estancia, Rio Grande, Sandia, Gallup and San Juan Basins District No. 1, 3311 Candelaria, NE, Suite A, Albuquerque, NM 87107

Capitan, Carlsbad, Curry County, Fort Summer, Hondo, Jal, Lea County, Penasco, Portales, Roswell, Tucumcari and Upper Pecos Basins <u>District No. 2, 1900 West Second Street, Roswell, NM 88201</u>

Animas, Gila-San Francisco, Lordsburg, Mimbres, Nutt-Hockett, Playas, San Simon and Virden Valley Basins District No. 3, P.O. Box 844, Deming, NM 88031

Lower Rio Grande, Tularosa, Hueco, Las Animas Creek and Hot Springs Basins District No. 4, 133 Wyatt Drive, Suite 3, Las Cruces, NM 88005

Canadian River Basin

State Engineer Office, P.O. Box 25102, Santa Fe, NM 87504-5102

· / was

POST OFFICE BOX 4358 • HOUSTON, TEXAS 77210-4358

HOUSTON PRODUCTION ORGANIZATION PERMITTING

· Ro5me//

CP-851

STATE ENGINEER

'99 DEC 15 PM 2 22

December 9, 1999

Notification of Name Change from Exxon Corporation to Exxon Mobil Corporation

New Mexico Office of the State Engineer Water Rights Division Attn: Mr. Paul Saaverdra P. O. Box 25102 Santa Fe, NM 87505

Dear Mr. Robinson,

As you may be aware, Exxon Corporation and Mobil Corporation recently finalized a merger and realigned its business. The media and other reports, however, often fail to provide details of the corporate structure that may be of interest to governmental agencies.

Exxon Corporation will undergo a name change to Exxon Mobil Corporation. Exxon Mobil Corporation will remain the owner and operator of its existing properties and facilities, as well as relevant permits. Mobil Corporation will merge with an existing Exxon subsidiary, after which Mobil Corporation will become a subsidiary of Exxon Mobil Corporation. Mobil Corporation's subsidiaries will continue to own their own assets and act as operator of its assets after the merger as it did prior to the merger. Neither Mobil Corporation nor its subsidiaries will undergo a name change.

Please note the name change to Exxon Mobil Corporation in your records pertaining to any Exxon permits.

If you have any questions, please contact me at 713-431-1125.

Yours truly,

Roland L. Moreau

Acting Environmental & Regulatory Manager

A DIVISION OF EXXON CORPORATION



LIST OF EXXON MOBIL CORPORATION NEW MEXICO FRESH WATER WELLS

Avalon Delaware Unit, Water Source Well No. 1
Permit No. CP-851
Eddy County, New Mexico

200 Jan 28 M II: 110

Analytical Report 638613

for LT Environmental, Inc.

Project Manager: Dan Moir ADU 157 (2RP-4778) 012918118 08-OCT-19

Collected By: Client



1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142), North Carolina (681)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco-Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08-OCT-19

Project Manager: Dan Moir LT Environmental, Inc. 4600 W. 60th Avenue Arvada, CO 80003

Reference: XENCO Report No(s): 638613

ADU 157 (2RP-4778)

Project Address: Carlsbad, NM

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 638613. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 638613 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

fession Vermer

Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Lab Sample Id

638613-001



Sample Cross Reference 638613

LT Environmental, Inc., Arvada, CO

ADU 157 (2RP-4778)

Sample Id Matrix Date Collected Sample Depth
WS01 W 10-01-19 11:20

CASE NARRATIVE

Client Name: LT Environmental, Inc. Project Name: ADU 157 (2RP-4778)

Project ID: 012918118 Work Order Number(s): 638613 Report Date: 08-OCT-19 Date Received: 10/01/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 638613

KERORATORIES LABORATORIES Ontact: Dan Moir Project Location: Carlsbad, NM		Certificate of Ans LT Environme Project Name	Certificate of Analysis Summary 638613 LT Environmental, Inc., Arvada, CO Project Name: ADU 157 (2RP-4778) Date	38613 Date Received in Lab: Tue Oct-01-19 Report Date: 08-OCT-19 Project Manager: Jessica Kramer	Date Received in Lab: Tue Oct-01-19 12:55 pm 69 Report Date: 08-OCT-19 Project Manager: Jessica Kramer :: 19
	Lab Id:	638613-001 WS01			
Analysis Requested	Depth:				
	Matrix:	WATER			
	Sampled:	Oct-01-19 11:20			
TDS by SM2540C	Extracted:				
SUB: 1104/04400-19-19	Analyzed:	Oct-03-19 15:00			
	Units/RL:	mg/L RL			
Total Dissolved Solids		11600 5.00			

LESSION WARNER

Final 1.000

Project Assistant Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Version: 1.%

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XFNCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data breeby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.



Certificate of Analytical Results 638613

LT Environmental, Inc., Arvada, CO

ADU 157 (2RP-4778)

Sample Id: WS01 Lab Sample Id: 638613-001 Matrix: Water

Date Received:10.01.19 12.55

Date Collected: 10.01.19 11.20

Analytical Method: TDS by SM2540C

Tech: SPC

SPC

Analyst: SPC

Seq Number: 3103415

% Moisture:

SUB: T104704400-19-19

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Dissolved Solids	1642222	11600	5.00	mg/L	10.03.19 15.00		1



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

^{**} Surrogate recovered outside laboratory control limit.

10.03.19 15:00



QC Summary 638613

LT Environmental, Inc.

ADU 157 (2RP-4778)

986

99

80-120

0

10

mg/L

Analytical Method: TDS by SM2540C

Seq Number: 3103415

Total Dissolved Solids

LCS Sample Id: 3103415-1-BKS LCSD Sample Id: 3103415-1-BSD MB Sample Id: 3103415-1-BLK

99

985

Matrix: Water

MB Spike LCS LCS Limits %RPD RPD Limit Units LCSD LCSD Analysis Flag Parameter Date Result Amount Result %Rec Result %Rec

Analytical Method: TDS by SM2540C

Seq Number: 3103415 Matrix: Water

<5.00

Parent Sample Id: 638660-003 MD Sample Id: 638660-003 D

1000

MD %RPD RPD Limit Units Parent Analysis Flag Parameter Result Date Result

Total Dissolved Solids 1130 1130 0 10.03.19 15:00 10 mg/L

Analytical Method: TDS by SM2540C

3103415 Seq Number: Matrix: Water

MD Sample Id: 638845-007 D Parent Sample Id: 638845-007

Parent MD %RPD RPD Limit Units Analysis Flag Parameter Result Date Result 10.03.19 15:00

Total Dissolved Solids 1710 1720 10 mg/L

9,

Page 186 uf 1

Inter-Office Shipment

Page 1 of 1

Created by: Elizabeth Mcclellan Delivery Priority:

Address: 1089 N Canal Street Please send report to: Jessica Kramer

Sign

Analytes

PM

TDS

JKR

10/08/19

10/01/19

TDS by SM2540C

SM2540C

10/01/19 11:20

3

Matrix Client Sample Id WS01

E-Mail: jessica.kramer@xenco.com HT Due Lab Due Method Name Air Bill No.: 776429985847 Method Sample Collection

Inter Office Shipment or Sample Comments:

Elizabeth McClellan Relinquished By:

Date Relinquished: 10/01/2019

Brianna Teel Received By:

Date Received: 10/02/2019 11:14

Cooler Temperature: 2,1

Final 1,000

Page 10 of 12

Peleased to Imaging: 9/20/2021 3:31:15 PM

Seemed by OCD: 4/15/2020 3:37:19 PM

A FINC
LABORATORIES

CABORATORIES

Suibarom: 10/01/19 14:56

Lab# From: Carlsbad

Lab# To: Midland Sample 19 100-E1981PA

Received by OCD: 4/19/2025 12:00:13PAM

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Midland IOS #: 49088

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used: R8

Sent By:	Elizabeth McClellan	Date Sent:	10/01/2019 02:56 PM
Received By:	Brianna Teel	Date Received:	10/02/2019 11:14 AM

Sent By:	Elizabeth McClellan	Date Sent:	10/01/2019 02:56 PM		
	y: Brianna Teel		d: 10/02/2019 11:14 AM		
received b	y, bhailla reel	Date Neceive	u, 10/02/2015 11:14 AM		
		Sample R	eceipt Checklist		Comments
#1 *Tempe	erature of cooler(s)?		2	.1	
477	ng container in good condit	ion?	Y	es	
	es received with appropriat		Y	es	
	dy Seals intact on shipping		Y	es	
#5 *Custor	dy Seals Signed and dated	for Containers/cod	olers Y	es	
#6 *IOS pr	esent?		Υ	es	
#7 Any mis	ssing/extra samples?			lo	
#8 IOS agr	rees with sample label(s)/m	atrix?	Y	es	
#9 Sample	e matrix/ properties agree w	ith IOS?	Y	es	
#10 Samp	les in proper container/ bott	le?	Y	es	
#11 Samp	les properly preserved?		Y	es	
#12 Samp	le container(s) intact?	Y	es		
#13 Suffici	ent sample amount for indi	Y	es		
#14 All sar	mples received within hold	time?	Y	es	
Must be c	ompleted for after-hours	delivery of samp	les prior to placing in the r	efrigerator	
onConform	nance:				
	ction Taken:				
orrective A					
Corrective A		Nonconf	ormance Documentation		
Corrective A		Nonconf Contacted by	ormance Documentation		

Brianna Teel



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: LT Environmental, Inc.

Date/ Time Received: 10/01/2019 12:55:00 PM

Work Order #: 638613

Analyst:

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used: T-NM-007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6*Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	Yes	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	Yes	Subbed to Midland
#18 Water VOC samples have zero headspace?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

	PH Device/Lot#:	
Checklist completed by:	Elizabeth McClellan	Date: 10/01/2019
Checklist reviewed by:	Jessica Kramer	Date: 10/03/2019



APPENDIX B

Photographic Log



Photographic Log

XTO Energy, Inc Avalon UT 657 nAPP2420136803





Photograph: 1 Date: 9/24/2024

Description: Reported location of CP-851

View: Northeast

Photograph: 2 Date: 9/24/2024

Description: Actual location of CP-851

View: South





Photograph: 3 Date: 9/20/2024

Description: Delineation activities

View: Southwest

Photograph: 4 Date: 9/20/2024

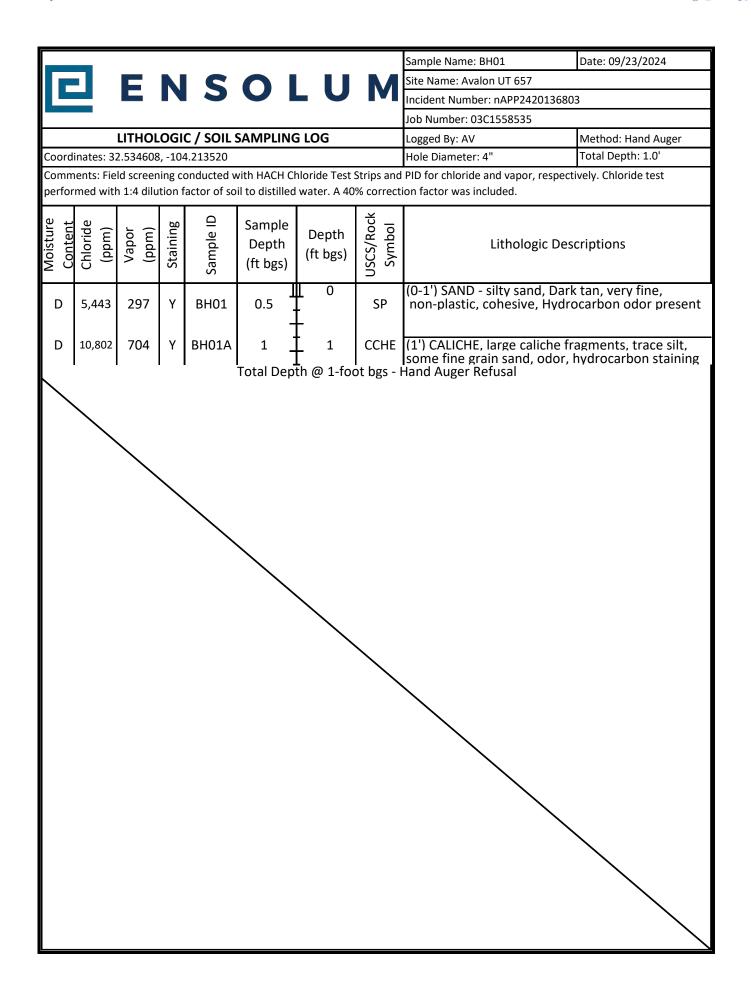
Description: Delineation activities

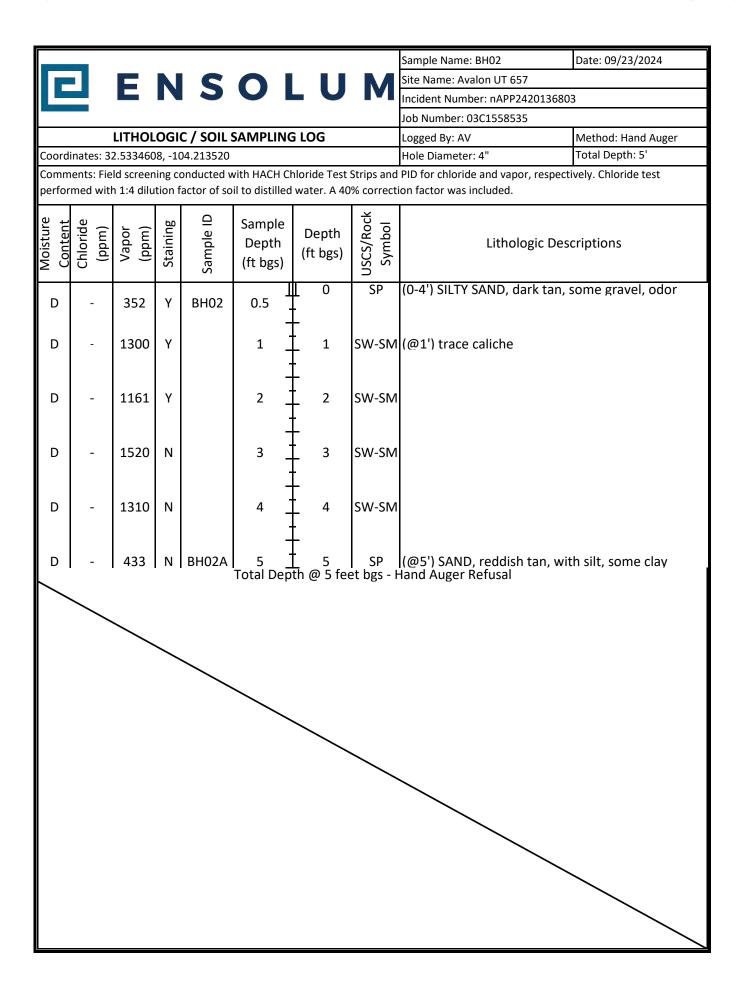
View: East



APPENDIX C

Lithologic Soil Sampling Logs





								Sample Name: BH03	Date: 09/23/2024
	7	-						Site Name: Avalon UT 657	
			N		0 1	LU	IV	Incident Number: nAPP242013680)3
*								Job Number: 03C1558535	
		LITHOL	.OGI	C / SOIL S	SAMPLING	GLOG		Logged By: AV	Method: Hand Auger
Coord				4.213867				Hole Diameter: 4"	Total Depth: 7'
					vith HACH Cl	hloride Test	Strips and	PID for chloride and vapor, respect	tively. Chloride test
perfor	med with	n 1:4 dilu	tion f	actor of so	il to distilled	water. A 40	% correct	ion factor was included.	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	·
D	-	426	Υ	BH03	0.5	0	SP	(0-2') SAND, with silt, brown poorly graded, with clay, low	n, with gravel, w plasticity, odor
					_	<u> </u>			
D	-	365	Υ		1	1			
					-	_			
_		406	Υ		2	2	CVA/ CVA	/2 E') CILTY CAND white to	, saliaha prosant
D	-	406	Y			├ ′	200-200	(2-5') SILTY SAND, white-tar poorly graded, odor	i, caliche present,
					_	F			
					_	3			
					-	<u> </u>			
					_	<u> </u>			
					_	4			
					_	L			
D	_	225	N	вноза	5	L 5	SP-SM	(5-7') SANDY SILT, tan, poor	ly graded
						F		(0 - 7 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	., д
					_	-			
					_	6			
					-	_			
D	_	85 Q	N	внозв	7	7	SP-SC	(7') SAND, reddish tan, with	silt trace clay
	l ,	05.5		511035	' -	Total De	pth @ 7	feet bgs	Sit, trace ciay
``	\								
			\						
									_
1									
1									



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



September 24, 2024

TRACY HILLARD
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: AVALON UT 657

Enclosed are the results of analyses for samples received by the laboratory on 09/23/24 16:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. 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 TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/23/2024
Reported: 09/24/2024

Project Name: AVALON UT 657
Project Number: 03C1558535

Project Location: XTO

Sampling Date: 09/20/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: BH 01 0.5' (H245768-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.12	106	2.00	1.49	
Toluene*	0.339	0.050	09/24/2024	ND	2.08	104	2.00	0.802	
Ethylbenzene*	0.890	0.050	09/24/2024	ND	2.14	107	2.00	0.571	GC-NC1
Total Xylenes*	8.69	0.150	09/24/2024	ND	6.42	107	6.00	0.777	
Total BTEX	9.92	0.300	09/24/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	469	% 71.5-13	4						
Chloride, SM4500Cl-B	nloride, SM4500Cl-B mg/kg			d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	09/24/2024	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	575	50.0	09/23/2024	ND	205	102	200	1.86	
DRO >C10-C28*	12700	50.0	09/23/2024	ND	213	106	200	0.759	
EXT DRO >C28-C36	2420	50.0	09/23/2024	ND					
Surrogate: 1-Chlorooctane	155 9	2/6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	299	% 49.1-14	8						

A I J D. ... 711

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/23/2024 Reported: 09/24/2024

09/24/2024

Project Name: AVALON UT 657
Project Number: 03C1558535

Project Location: XTO

Sampling Date: 09/20/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: BH 01A 1' (H245768-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	09/23/2024	ND	2.12	106	2.00	1.49	GC-NC
Toluene*	3.15	0.200	09/23/2024	ND	2.08	104	2.00	0.802	
Ethylbenzene*	4.91	0.200	09/23/2024	ND	2.14	107	2.00	0.571	GC-NC1
Total Xylenes*	25.5	0.600	09/23/2024	ND	6.42	107	6.00	0.777	
Total BTEX	33.5	1.20	09/23/2024	ND					GC-NC1

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	09/24/2024	ND	416	104	400	3.77	
TPH 8015M	mg	mg/kg Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	726	50.0	09/23/2024	ND	205	102	200	1.86	
DRO >C10-C28*	8970	50.0	09/23/2024	ND	213	106	200	0.759	
EXT DRO >C28-C36	1670	50.0	09/23/2024	ND					

Surrogate: 1-Chlorooctane 199 % 48.2-134 Surrogate: 1-Chlorooctadecane 213 % 49.1-148

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Celey D. Keine



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

Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/23/2024 Reported:

09/24/2024 **AVALON UT 657**

03C1558535

Project Location: XTO Sampling Date: 09/20/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: BH 03 0.5' (H245768-03)

Project Name:

Project Number:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2024	ND	2.12	106	2.00	1.49	
Toluene*	0.520	0.050	09/23/2024	ND	2.08	104	2.00	0.802	
Ethylbenzene*	5.01	0.050	09/23/2024	ND	2.14	107	2.00	0.571	GC-NC1
Total Xylenes*	25.5	0.150	09/23/2024	ND	6.42	107	6.00	0.777	
Total BTEX	31.0	0.300	09/23/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	780 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/24/2024	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1970	50.0	09/23/2024	ND	205	102	200	1.86	
DRO >C10-C28*	21500	50.0	09/23/2024	ND	213	106	200	0.759	
EXT DRO >C28-C36	3750	50.0	09/23/2024	ND					
Surrogate: 1-Chlorooctane	472 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	476 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/23/2024

Reported: 09/24/2024 Project Name: **AVALON UT 657** Project Number: 03C1558535

Project Location: XTO Sampling Date: 09/20/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: BH 03A 5' (H245768-04)

BTEX 8021B	mg/kg		Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2024	ND	2.12	106	2.00	1.49	
Toluene*	<0.050	0.050	09/23/2024	ND	2.08	104	2.00	0.802	
Ethylbenzene*	0.209	0.050	09/23/2024	ND	2.14	107	2.00	0.571	GC-NC1
Total Xylenes*	1.17	0.150	09/23/2024	ND	6.42	107	6.00	0.777	
Total BTEX	1.38	0.300	09/23/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	154 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/24/2024	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	60.9	10.0	09/23/2024	ND	205	102	200	1.86	
DRO >C10-C28*	1250	10.0	09/23/2024	ND	213	106	200	0.759	
EXT DRO >C28-C36	206	10.0	09/23/2024	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/23/2024 Reported: 09/24/2024

Project Name: **AVALON UT 657** Project Number: 03C1558535

Project Location: XTO Sampling Date: 09/20/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: BH 03B 7' (H245768-05)

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	09/23/2024	ND	2.12	106	2.00	1.49	
Toluene*	<0.050	0.050	09/23/2024	ND	2.08	104	2.00	0.802	
Ethylbenzene*	<0.050	0.050	09/23/2024	ND	2.14	107	2.00	0.571	
Total Xylenes*	0.210	0.150	09/23/2024	ND	6.42	107	6.00	0.777	
Total BTEX	<0.300	0.300	09/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/24/2024	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.2	10.0	09/23/2024	ND	205	102	200	1.86	
DRO >C10-C28*	490	10.0	09/23/2024	ND	213	106	200	0.759	
EXT DRO >C28-C36	89.4	10.0	09/23/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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S-04



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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/23/2024 Reported: 09/24/2024

Project Name: AVALON UT 657
Project Number: 03C1558535

mg/kg

Project Location: XTO

Sampling Date: 09/20/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: BH 02 0.5' (H245768-06)

BTEX 8021B

DILKOULID	9/	119	Allalyzo	a 5,1511					.
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/24/2024	ND	2.12	106	2.00	1.49	GC-NC
Toluene*	0.670	0.050	09/24/2024	ND	2.08	104	2.00	0.802	
Ethylbenzene*	0.707	0.050	09/24/2024	ND	2.14	107	2.00	0.571	GC-NC1
Total Xylenes*	8.83	0.150	09/24/2024	ND	6.42	107	6.00	0.777	
Total BTEX	10.2	0.300	09/24/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	471	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	09/24/2024	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	618	50.0	09/23/2024	ND	205	102	200	1.86	
DRO >C10-C28*	13400	50.0	09/23/2024	ND	213	106	200	0.759	
EXT DRO >C28-C36	2670	50.0	09/23/2024	ND					
Surrogate: 1-Chlorooctane	164 9	% 48.2-13	4						

Analyzed By: JH

Surrogate: 1-Chlorooctane 164 % 48.2-134
Surrogate: 1-Chlorooctadecane 295 % 49.1-148

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Analytical Results For:

ENSOLUM TRACY HILLARD 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 09/23/2024

Reported: 09/24/2024
Project Name: AVALON UT 657
Project Number: 03C1558535

Project Location: XTO

Sampling Date: 09/20/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: BH 02A 5' (H245768-07)

BTEX 8021B	mg,	mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2024	ND	2.12	106	2.00	1.49	
Toluene*	0.258	0.050	09/23/2024	ND	2.08	104	2.00	0.802	
Ethylbenzene*	0.640	0.050	09/23/2024	ND	2.14	107	2.00	0.571	GC-NC1
Total Xylenes*	2.66	0.150	09/23/2024	ND	6.42	107	6.00	0.777	
Total BTEX	3.56	0.300	09/23/2024	ND					GC-NC1

Surrogate. / Bromojimorocenzene (112	100	, , , , , , , , , , , , , , , , , , , ,	•						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	09/24/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	162	10.0	09/23/2024	ND	205	102	200	1.86	
DRO >C10-C28*	1760	10.0	09/23/2024	ND	213	106	200	0.759	

ND

09/23/2024

Surrogate: 1-Chlorooctane 137 % 48.2-134 Surrogate: 1-Chlorooctadecane 118 % 49.1-148

310

10.0

EXT DRO > C28 - C36

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S-06



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Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

5-06	matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name: Ensolum, LLC			direct of			
Project Manager: \ (CC Y V: I	V: Nosa		OI THIS		ANALYSIS REQUEST	
Address: 3122 National Parks Hwy						
City: Carlsbad	State: NM	7in: 88220	6	successive contract		
Phone #: 575 - 937-3906			MINS HAND ROLL	**		
Project #: 03C1SS8535				WICKAST,		_
Project Name: DVG.10x UT	48					_
			1	ap: 802220		_
Sampler Name: Azcor Volu	dans		Fax #:			_
FOR LAB USE CNLY		MATRIX	ESERV.	SAMPLING		_
Lab I.D. Sample I.D.	Depth (feet)		BASE:	TEX PH portale		
S	0.5	− # CO GRO WAS ≺ SOIL OIL SLUD	OTHE ACIDI	BI		
3 BHOLA	0.5		1			
	a	61	× ×	542 / V		
J	4	Q - <	\ - -	1611 / 7/		
				*	K	
**************************************	erit's exclusive remedy for any of cause whatbouver shall be described with	am orderig whether based as costs not waived unless made in writing	amount pa 30 days sit	is to per client for the explicación		
Proof to down	HZ-5H	Received By:	ed upon any of the above stated or	Verbal Result: ☐ Yes #S.No Add'i Phone #: All Results are emailed. Please provide Email address:	Add' Phone #: de Email address:	7
telinquished By:	Date:	Received By:		REMARKS:	Avojelaria ensolum. com	
Delivered By: (Circle One)	Onservac Tamp C	-	CHECKED BY:		Daniel	
Sampler - UPS - Bus - Other: Carr	28.5 P. L.	,	(Inlitials)	Thermometer ID #413_0 & TAT	Bacteria (only) Sample Condition Cool Intact Observed Temp. *C	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(0/0) 383-23	(5/5) 393-2326 FAX (575) 393-2476	-2476				
Company Nam	Company Name: Ensolum, LLC			BILLTO	38 Com 86		1
Project Manager:	on Tracy	Hi llard		P.O. #:		ANALYSIS REQUEST	\perp
Address: 3122	Address: 3122 National Parks Hwy	iwy		Company: To Fwarch	C warried		_
City: Carlsbad		State: NM	Zip: 88220	Attack day R.	7 2 2		
Phone #: (57	Phone #: (575)937-3906			Address: 3104 F. Garage	faring of		_
Project #: 03	Project #: 0301558535	Project Owner:	ier:	City: Cas Is bad	Cr Chrys		_
Project Name: HVGLOW	Avalor	UT 657		State: NM Zin: 8	Zin: 822.70		_
Project Location:	2.				Creck Control		_
Sampler Name:	Azaer W	Voidan!		For H.			_
FOR LASTING ONLY	ľ	Olover		Fax #:			_
Charles and Author				PRESERV. SAI	SAMPLING		_
Lab I.D.	Sample I.D.	D. Depth (feet)	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: CE/COOL COTHER:	BTEX TPH Chiorian		
76	BHOZ	2.0.5		< \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-		
		1					
				1	N a		
					100		
EASE NOTE: Liabley and Dan	Damages. Cardinal's Sability and of	and directs exclusive vessedy for any digin	THY COURT BEREION WHILEBUCK TO MAKE IN ACCOUNT.				
napen. All dams, including nace, in no event shall Card Matter, or successors aming dellinguished Rose	ampen. An claims including those for equipment and any other car which. In no event shall Cardinal be labble for incidental or consequ- lishes or excrement artisting out of or related to the performance of the Incidence of the consequence of	E E 2	walved unions made in writing an limitation, business intemplates, eggentless of whether such claim	 a un., Amer do imited to the amount paid d received by Cardinal within 30 days, after lose of use, or less of profits incurred by o is based upon any of the above stated in 	var galed by the coloural for the the year affer connycleation of the application of by deliver, its subsidiantes, that insurem or otherwise.		
1		19-23-24	Received By:		Verbal Result: Yes Z.No	Add'l Phone #:	-
elinquished By:	10 dans	Time:	Received By:		THILLOS OF ENGLUM, COM, COM, COM	. Com , hus floris ensure. Com	
Delivered By: (Circle One) ampier - UPS - Bus - Other:	le One) is - Other:	Corrected Tamp. 'C	-0%	2	Turnaround Time: Standard	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
			U. S.		Thermometer ID - #713	Yes Yes	

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

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

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

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

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

QUESTIONS

Action 387482

QUESTIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	387482
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Prerequisites	
Incident ID (n#)	nAPP2420136803
Incident Name	NAPP2420136803 AVALON UT 657 @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Avalon UT 657
Date Release Discovered	06/28/2024
Surface Owner	Federal

Incident Details		
lease answer all the questions in this group.		
Incident Type	Release Other	
Did this release result in a fire or is the result of a fire	No	
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	Cause: Corrosion Flow Line - Production Crude Oil Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.	
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 11 BBL Recovered: 0 BBL Lost: 11 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Cause: Corrosion Flow Line - Production Condensate Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.	
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)	Not answered.	

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

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

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

1220 S. St Francis Dr., Santa Fe, NM 87505

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 387482

Phone:(505) 476-3470 Fax:(505) 476-3462		
QUEST	IONS (continued)	
Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380 Action Number: 387482 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
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	No	
Reasons why this would be considered a submission for a notification of a major release	Unavailable.	
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 as	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.	
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to	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 adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
and and regulation.	Name: Colton Brown	

Title: Environmental Advisor

Date: 09/26/2024

Email: colton.s.brown@exxonmobil.com

I hereby agree and sign off to the above statement

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, Page 3

Action 387482

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	387482
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 1000 (ft.) and ½ (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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	Between 1 and 5 (mi.)	
A wetland	Between 1000 (ft.) and ½ (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)	
Categorize the risk of this well / site being in a karst geology	Medium	
A 100-year floodplain	Between 1 and 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 c	or are indicated. This information must be provided to th	e appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan app	roval with this submission	Yes
Attach a comprehensive report demonstration	ng the lateral and vertical extents of soil contamination a	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 (E	EPA 300.0 or SM4500 CI B)	8260
TPH (GRO+DRO+MRO) (EP	PA SW-846 Method 8015M)	27220
GRO+DRO (E	EPA SW-846 Method 8015M)	23470
BTEX (E	EPA SW-846 Method 8021B or 8260B)	34
Benzene (I	EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unle which includes the anticipated timelines for		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 rem	nediation commence	09/20/2024
On what date will (or did) the final s	ampling or liner inspection occur	12/25/2024
On what date will (or was) the reme	diation complete(d)	12/25/2024
What is the estimated surface area	(in square feet) that will be reclaimed	2140
What is the estimated volume (in cu	ibic yards) that will be reclaimed	317
What is the estimated surface area	(in square feet) that will be remediated	2140
What is the estimated volume (in cu	ibic yards) that will be remediated	560
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 remedia	tion measures may have to be minimally adjusted in acc	cordance 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

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

<u>District III</u> 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 4

Action 387482

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	387482
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	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)	Not answered.

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: Colton Brown
Title: Environmental Advisor

Email: colton.s.brown@exxonmobil.com

Date: 09/26/2024

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 387482

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	387482
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 No submission

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

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Midland, TX 79707

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

QUESTIONS, Page 6

Action 387482

QUESTIONS (continued)		
	OGRID:	
XTO ENERGY, INC	5380	
6401 Holiday Hill Road	Action Number:	

387482 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Operator:

Sampling Event Information		
Last sampling notification (C-141N) recorded	{Unavailable.}	
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	No	

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**

CONDITIONS

Action 387482

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	387482
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

rhamlet. The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table Lof 19 15 29 12 NMAC. Floor confirmation	Created E	sy Condition	Condition Date
samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/prov depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the ed	rhamle	samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Confirmation samples should be collected every 200 ft2. All off pad	10/24/2024

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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

Action 453364

QUESTIONS

ı	Operator:	OGRID:
ı	XTO ENERGY, INC	5380
ı	6401 Holiday Hill Road	Action Number:
ı	Midland, TX 79707	453364
ı		Action Type:
ı		[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

Prerequisites	
Incident ID (n#)	nAPP2420136803
Incident Name	NAPP2420136803 AVALON UT 657 @ 0
Incident Type	Release Other
Incident Status	Reclamation Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Avalon UT 657
Date Release Discovered	06/28/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
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 t	for the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 11 BBL Recovered: 0 BBL Lost: 11 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion Flow Line - Production Condensate Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
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)	Not answered.

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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 453364

QUESTIONS (conti	nued)
	OGRID:

XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453364
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)
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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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	
•	cofety hazard that would result in injury
The responsible party must undertake the following actions immediately unless they could create a 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.
	diation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required eases which may endanger public health or the environment. The acceptance of a C-141 report by a adequately investigate and remediate contamination that pose a threat to groundwater, surface out does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/26/2024

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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 453364

QUESTIONS (continued)

 Operator:
 OGRID:

 XTO ENERGY, INC
 5380

 6401 Holiday Hill Road
 Action Number:

 Midland, TX 79707
 453364

 Action Type:
 [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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 ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions th	at apply or are indicated. This information must be provided to t	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 de	monstrating 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 vertica	l extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in mil	ligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	8260
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	27220
GRO+DRO	(EPA SW-846 Method 8015M)	23470
BTEX	(EPA SW-846 Method 8021B or 8260B)	34
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	IMAC unless the site characterization report includes completed elines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will	Il the remediation commence	09/20/2024
On what date will (or did) the	ne final sampling or liner inspection occur	12/25/2024
On what date will (or was) t	the remediation complete(d)	12/25/2024
What is the estimated surfa	ice area (in square feet) that will be reclaimed	2140
What is the estimated volur	ne (in cubic yards) that will be reclaimed	317
What is the estimated surfa	ce area (in square feet) that will be remediated	2140
What is the estimated volume (in cubic yards) that will be remediated 560		560
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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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 453364

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453364
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

appropriate district office no later than 90 days after the release discovery date.
/ reduce contaminants:
Yes
HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
Not answered.
No

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: Ashley Mcafee Email: ashley.a.mcafee@exxonmobil.com Date: 04/18/2025
--	--

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 453364

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453364
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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

QUESTIONS, Page 6

Action 453364

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453364
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	433811
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/27/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

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	2330
What was the total volume (cubic yards) remediated	460
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	2330
What was the total volume (in cubic yards) reclaimed	350
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site in accordance with the Work Plan to address the June 2024 release of crude oil and produced water. Laboratory analytical results for all final excavation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. The excavation was backfilled with material purchased locally and the Site recontoured to match pre-existing site conditions

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: Ashley Mcafee Email: ashley.a.mcafee@exxonmobil.com Date: 04/18/2025
--	--

General Information Phone: (505) 629-6116

NMAC.

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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 7

Action 453364

QUESTIONS (continued)				
Operator: XTO ENERGY, INC	OGRID: 5380			
6401 Holiday Hill Road Midland, TX 79707	Action Number: 453364			
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)			
QUESTIONS				
Reclamation Report				
Only answer the questions in this group if all reclamation steps have been completed.				
Requesting a reclamation approval with this submission	Yes			
What was the total reclamation surface area (in square feet) for this site	2330			
What was the total volume of replacement material (in cubic yards) for this site	460			
	four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 ver must include a top layer, which is either the background thickness of topsoil or one foot of suitable material			
Is the soil top layer complete and is it suitable material to establish vegetation	Yes			
On what (estimated) date will (or was) the reseeding commence(d)	05/05/2025			
Summarize any additional reclamation activities not included by answers (above)	Following backfill activities, the disturbed area was contoured to match the surrounding topography and the surface was prepared for seeding. Upon confirmation that the excavation was backfilled with non-waste containing material, the disturbed pasture area will be seeded with a certified weed-free seed mix. The BLM Loamy Site Seed Mixture will be used to seed the Site. The seed mix will be applied via drill seeding. The Site will be monitored for vegetation growth to ensure that reclamation activities were successful.			
	eclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13			

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.

Name: Ashley Mcafee I hereby agree and sign off to the above statement Email: ashley.a.mcafee@exxonmobil.com Date: 04/18/2025

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QUESTIONS, Page 8

Action 453364

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453364
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

Revegetation Report		
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.		
Requesting a restoration complete approval with this submission	No	
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.		

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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

CONDITIONS

Action 453364

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	453364
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By		Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2420136803 AVALON UT 657, thank you. This Remediation Closure Report is approved.	5/16/2025