Location:	Perla Verde 31 State 001H		
Spill Date:	5/2/2024		
	Area 1		
Approximate A	rea =	4209.00	sq. ft.
Average Saturation (or depth) of spill = 2.25 inches			
Average Porosi	ty Factor =	0.15	
	VOLUME OF LEAK		
Total Crude Oil	=	2.32	bbls
Total Produced	Water =	18.76	bbls

TOTAL VOLUME OF LEAK				
Total Crude Oil =	2.87	bbls		
Total Produced Water =		bbls		
TOTAL VOLUME RECOVERED				
Total Crude Oil =	0.55	bbls		
Total Produced Water = 4.45 bbls				

ENSOLUM

February 7, 2025

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

Re: Closure Request Perla Verde 31 State 001H Incident Number nAPP2412749555 API 30-025-42063 Lease Number L023780001 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document excavation and soil sampling activities performed at the Perla Verde 31 State 001H (Site). The purpose of 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 nAPP2412749555.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 31, Township 19 South, Range 35 East, in Lea County, New Mexico (32.610101°, -103.504201°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (SLO). The Site is associated with the Perla Verde 31 State Com #001H (API: 30-025-42063) oil well on SLO lease number L02-378-0001.

On May 2, 2024, an equipment failure resulted in the release of 3 barrels (bbls) of crude oil and 23 bbls of produced water onto the pad surface. XTO immediately dispatched a vacuum truck and 1 bbl of crude oil and 4 bbls of produced water were recovered. XTO submitted a Notification of Release (NOR) on May 6, 2024 and subsequently an Initial C-141 Application (C-141) on May 7, 2024. The release was assigned Incident Number nAPP2412749555.

Ensolum conducted Site assessment and delineation activities and presented the results in a *Work Plan*. The *Work Plan* was submitted on November 14, 2024, and approved by the New Mexico Oil Conservation Division (NMOCD) the same day. The *Work Plan* proposed excavation of impacted soil identified during delineation activities. The approved *Work Plan* proposed the following:

- Excavation of 4,205 square foot area on pad;
- Disposal of approximately 470 cubic yards of soil at the R360 landfill disposal facility; and

XTO Energy, Inc Closure Request Perla Verde 31 State 001H

• Soil sampling would be completed following the NMOCD sampling requirement of every 200 square feet along the floor and sidewalls of the excavation.

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): 100 mg/kg
- Chloride: 600 mg/kg

NMSLO CULTURAL RESOURCES AND BIOLOGICAL REVIEW

Cultural Properties Protection

Since the release occurred on the well pad, the site is exempt from the Cultural Properties Protection Rule (CPP). As such, no additional cultural resource surveys were completed in connection with this release.

Biological Review

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils.

- The Site is located within an area of possible Lesser Prairie Chickens and Dunes Sage Brush Lizards habitat.
 - From March 1st through June 15th, no remediation activities will occur between the hours of 3:00 am to 9:00 am to protect any Lesser Prairie Chickens within the area.
 - Due to the release occurring on pad surface, no suitable habitat was identified for the Dunes Sage Brush Lizards at the Site. Remediation efforts are not expected to occur outside of the pad boundaries.
- No environmentally sensitive receptors were located near the Site as mentioned in the Site Characterization. Groundwater is estimated to be less than 100 feet below ground surface (bgs) but greater than 50 feet bgs. The strictest criteria was applied due to the absence of depth to groundwater data within ½ mile and within 25 years.
- The soil type is classified as Pyote and Maljamar fine sands according to the Web Soil Survey. Pyote and Maljamar fine sands are considered a sensitive soil by the SLO definition. The release occurred on the pad surface limiting contact with potential sensitive soils and was found to have occurred only on the pad caliche.



XTO Energy, Inc Closure Request Perla Verde 31 State 001H

EXCAVATION AND SOIL SAMPLING ACTIVITIES

On November 12 and November 13, 2024, Ensolum personnel were onsite to excavate impacted soil according to the approved *Work Plan*. Excavation activities were performed by the use of 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 FS21 were collected from the floor of the excavation at depths ranging from 2 feet below ground surface (bgs) to 4 feet bgs. Confirmation soil samples SW01 through SW06 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 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 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-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standards Method SM4500.

The final excavation extent measured approximately 3,827 square feet. A total of approximately 400 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. Disposal manifests are included in Appendix B. The excavation was backfilled with material purchased locally and the Site was recontoured to match pre-existing site conditions.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all confirmation soil samples indicated all COCs were in compliance with Site Closure Criteria. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Excavation activities were conducted at the Site in accordance with the *Work Plan* to address the May 2, 2024 release of crude oil and produced water. The approved November 14, 2024, *Work Plan* is included in Appendix D. 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 was recontoured to match pre-existing site conditions.

Excavation of soil has removed impacted soil from the area. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number nAPP2412749555.

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



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XTO Energy, Inc Closure Request Perla Verde 31 State 001H

Sincerely, Ensolum, LLC

Tran Hittan

Tracy Hillard Project Engineer

Mouissey

Tacoma Morrissey Associate Principal

cc: Ashley McAfee, XTO Kaylan Dirkx, XTO SLO

Appendices:

- Figure 1 Excavation Soil Sample Locations
- Table 1Soil Sample Analytical Results
- Appendix A Photographic Log
- Appendix B Disposal Manifests
- Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix D November 14, 2024, Remediation Work Plan



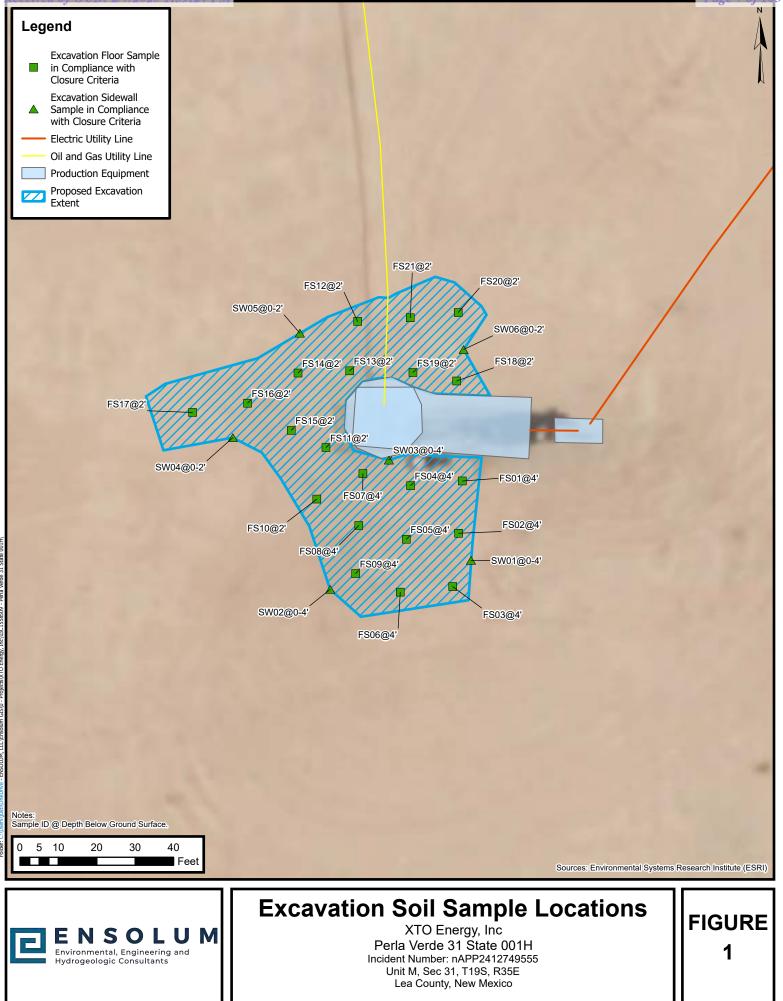




FIGURES

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TABLES

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ENSOLUM

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Perla Verde 31 State 001H XTO Energy, Inc Lea County, New Mexico									
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Confi	irmation Soil Sa	amples				
FS01	11/13/204	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS02	11/13/204	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS03	11/13/204	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS04	11/13/204	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS05	11/13/204	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS06	11/13/204	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS07	11/13/204	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS08	11/13/204	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS09	11/13/204	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS10	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS11	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS12	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS13	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS14	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS15	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS16	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS17	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS18	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS19	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
FS20	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
FS21	11/13/204	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW01	11/13/204	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW02	11/13/204	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

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	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Perla Verde 31 State 001H XTO Energy, Inc Lea County, New Mexico									
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SW03	11/13/204	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW04	11/13/204	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW05	11/13/204	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW06	11/13/204	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208

Notes:

 bgs: below ground surface
 GR0

 mg/kg: milligrams per kilogram
 DR0

 NMOCD: New Mexico Oil Conservation Division
 OR0

 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 TPH

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

 requirement where applicable.
 Gree

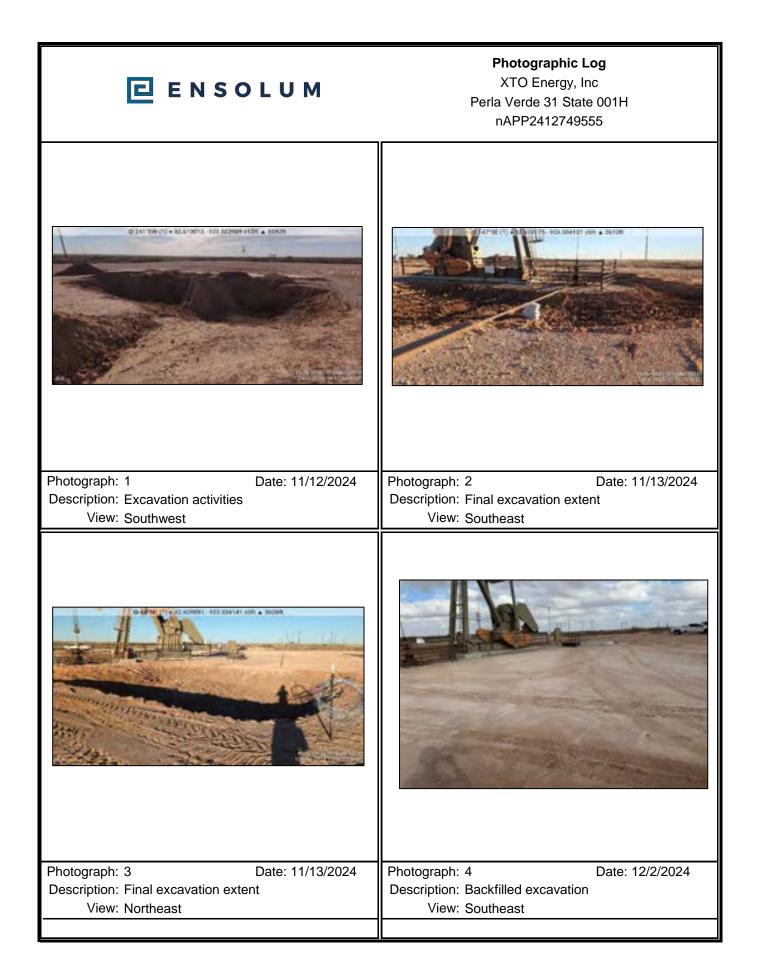
GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon NMAC: New Mexico Administrative Code Grey text indicates soil sample removed during excavation activities



APPENDIX A

Photographic Log

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Appendix B

Disposal Manifests

R360	W MEXICO NON-HAZARDOU		RED INFORMATION*	empany Man Contact Information ame <u>Deswid By F. J.</u> none No
Generator Manifest /X T O Generator Name Address City, State, Zip	GENER	Location of Origin Lease/Well Name & No. County API No.	NO.H	W-699655
Phone NoEXEMPT E&P Waster, Oil Based Muds Oil Based Cuttings Waste Based Muds Water Based Cuttings	Service Identification and Amount (NON INJECTABLE WATERS Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Inject Produced Water (Non-Injectable)	table)	OTHER EXEMPT E&P. WAST	STREAMS
Produced Formation Solida Tank Bottoms E&P Contaminated Soll Gas Plant Waste WASTE GENERATION PROCESS: DRILLING All pop exempt E&P wast	Gathering Line Water/Waste (Non-Inject INTERNAL LISE ONLY Truck Washout (exempt waste) 3 COMPLETION NON-EXEMPT E&P Waste/Set e must be analysed and be below thresh	YES NO	ON GATHERIN	
Non-Exempt Other			ct from Non-Exempt Waste List	
Performation EMERGENCY NON-OILFIELD Performation Emergency non-haze	ding to applicable regulation. inerated from oil and gas exploration and d ich is non-hazardous that does not excer 1.24, or listed hazardous waste as define indous is attached. (Check the appropriat	d production operation and ed the minimum standards id by 40 CFR, part 261, sub te items as provided) azardous Waste Analysis in ordered by the Departme	are not mixed with non-exempt wa for waste hazardous by characterist part D, as amended. The following o Dther (P	ate (R360 Accepts certifications on a tics established in RCRA regulations, documentation demonstrating the rovide Description Below)
Transporter's Search Tax Address Phone No. Transporter Ticket #		PORTER Driver's Name Print Name Phone No. Truck No.	incident to the disposal facility that	ed telloy.
TRUCK TIME STAMP IN:OUT: _	DISPOSAL 6 larker 66 Carlsbad, NM 88220 Ine) YES NO	Phone No.	75-392-6368	G AREA
t Guage ind Guage ineived ereity contrif/chattope above load material had been (circle of RAME (PRMI) 130 White - ICIDO OF		ENNED II O	and the second second	BS&W (%)

N Set 103		SE-PRINT) *REQUI	MANIFEST	Company Man Contact Information Name <u>ロレバイ ビル・</u> の Phone No
GTX	GEN	ERATOR	NO.	HW- 713749
Generator Manifest #		Location of Origin Lease/Well Name & No.	Perle verde	315514
		County API No.	Not 7112 749	5507
City, State, Zip Phone No		Rig Name & No. AFE/PO No.	20-025 -	1 0 0 6 2
and the second se	Service Identification and Amou		aste 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	NON-INJECTABLE WATERS Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-In Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-I INTERNAL USE ONLY	State of the second	OTHER EXEMPT E&P W	Day D
Gas Plant Waste	Truck Washout (exempt waste)	YES NO) QUANTITY	TOP SOIL CALICHE
WASTE GENERATION PROCESS: DRILLIN	G COMPLETION	PRODUCTI	ON 🔲 GATHE	RING LINES
All non-exempt E&P was Non-Exempt Other	NON-EXEMPT E&P Waste, te must be analysed and be below the		ount 3. Ignitability, Corrosivity adn R ct from Non-Exempt Waste	A CONTRACT OF A
DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	20 V-YANDS	E - EACH
RCRA NON-EXEMPT: Oil field waste w 40 CFR 261.21-20 weste as non-ha MSDS Informatic EMERGENCY NON-OILFIELD Emergency non-h	enerated from oil and gas exploration yl iich is non-hazardous that does not ex 1.24, or listed hazardous waste as de ardous is attached. (Check the approp n CR/	sceed the minimum standards fined by 40 CFR, part 261, subj riate items as provided) A Hazardous Waste Analysis been ordered by the Departme	for waste hazardous by charact part D, as amended. The follow	t waste (R360 Accepts certifications on a veristics established in RCRA regulations, ing documentation demonstrating the er (Provide Description Below) ocumentation of non-hazardous waste
(PRINT) AUTHORIZED AGENTS SIGNATURE		DATE	SIGNATU	í
Transporter's	the second se	SPORTER		
Name Senn Tex	AAPA	Driver's Name Print Name	Concerp R	ein er
Phone No.		Phone No.		
Transporter Ticket # I hereby certify that the above named material(s) was/were	nicked up at the Reported alter line	Truck No.	24	
and the start of the second start of the second start start and the		11-14-7	Incident to the diaposal facility	Second Contract
TRUCK TIME STAMP	DIEDOCA			ORIVER'S SIGNATURE
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the hereby dentify this the above load material has been (circle	over 1 hybrahieb	outano ma	enied, wtw?	
C-138 White - R360 0	IGINAL Yellow-TRANSPORTER	ALC: NOT THE REAL PROPERTY OF	SITE COPY Gold BETURN	TO GENERATOR

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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

REQUIRED INFORMATION

(PLEASE PRINT)

Company Man Contact Information Name David Burd

		Phone No
	GENERATOR	NO. HW-691151
Generator Manifest # Generator Name Address City, State, Zip Phone No.	Location of Origin Lease/Well Name & No. County ÄP1 No. Rig Name & No. AFE/PO No.	Perla Verle 71 St J H Bale 1.03 Closes 2007 20-000-2000 Closes 2007 20-000-2000 Closes 2007
EXEMPT E&P Waste	Service Identification and Amount (place volume next to wa	ste type in barrels or cubic yards)
Oil Based Muds Oil Based Cuttings Waste 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-Injectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) INTERNAL USE ONLY	TOP SOIL & CAUCHE SALES
Gas Plant Waste WASTE GENERATION PROCESS: ORILLING	Truck Washout (exempt waste) YES NO	QUANTITY TOP SOIL CALICHE
WASTE GENERATION PROCESS:		
	NON-EXEMPT E&P Waste/Service identification and Ame e must be analysed and be below threshold limits for toxicity (TCLP)	Agnitability, Corrosivity adn Reactivity.
Non-Exempt Other	"piease sele-	st from Non-Exempt Waste List on back
DISPOSAL QUANTITY	8 - BARRELS L - LIQUID	V VARDS E - EACH
40 CFR 261.21-26 waste as non-haz	ich is non-hazardous that does not exceed the minimum standards t .24, or listed hazardous waste as defined by 40 CFR, part 261, subp irdous is attached, (Check the appropriate items as provided)	or waste hazardous by characteristics established in RCRA regulations, art D, as amended. The following documentation demonstrating the
EMERGENCY NON-OILFIELD Emergency non-ha	zardous, non-cilfield waste that has been ordered by the Department	Other (Provide Description Below) it of Public Safety (the order, documentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency non-had	zardous, non-cillield waste that has been ordered by the Departme a description of the waste must accompany this form)	nt of Public Safety (the order, documentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency non-ha determination and	Adescription of the waste that has been ordered by the Department a description of the waste must accompany this form) DMI DMI DMI Driver's Name Print Name Phone No. Truck No.	Int of Public Safety (the order, documentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency non-ha determination and	A description of the waste that has been ordered by the Department a description of the waste must accompany this form) DATE TRANSPORTER DATE DATE DATE	Int of Public Safety (the order, documentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency non-ha determination and	Adescription of the waste that has been ordered by the Department a description of the waste must accompany this form) DMI DMI DMI Driver's Name Print Name Phone No. Truck No.	Int of Public Safety (the order, documentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency non-ha determination and	A description of the waste that has been ordered by the Department a description of the waste must accompany this form) DATE DATE DATE DATE DATE DATE DATE DATE Driver's Name Print Name Phone No. Truck No. DISPOSAL FACILITY DISPOSAL FACILITY Disposal Facility Disposal Facility Disposal Facility Disposal Facility	In of Public Safety (the order, documentation of non-bazardous waste
EMERGENCY NON-OILFIELD Emergency non-ha determination and	A description of the waste that has been ordered by the Department a description of the waste must accompany this form)	INCRATURE
EMERGENCY NON-OILFIELD Emergency non-ha determination and (PHINT) AUTHORIZED AGENTE SIGNATURE Transporter's Name Address Phone No. Transporter Ticket # Ihereby certify that the above named material(s) was/were p BHRMONT DATE Det TRUCK TIME STAMP IN:Det TRUCK TIME STAMP IN:DUT:Det Court:Det Malfway Facility / NM1-00 G601 Hobbs Hwy US 62 / 180 Mile N NORM READINGS TAKEN? (Circle O PASS THE PAINT FILTER TEST? (Circle O PASS THE PAINT FILTER TEST? (Circle O	A description of the waste that has been ordered by the Department a description of the waste must accompany this form)	IN OF Public Safety (the order, documentation of non-bazardous waste
EMERGENCY NON-OILFIELD Emergency non-ha determination and OPHINT: AUTHORIZED AGENTE SIGNATURE Transporter's S Address Phone No. Transporter Ticket # Ihereby certify that the above named material(s) was/were p TRUCK TIME STAMP IN:	A description of the waste that has been ordered by the Department a description of the waste must accompany this form)	INCOMPLETE Safety (the order, documentation of non-bazardous waste
EMERGENCY NON-OILFIELD Emergency non-ha determination and	a description of the waste that has been ordered by the Department a description of the waste must accompany this form) DATE DECENTIONE DECENTIONE DECENTIONE DISPOSAL FACILITY DECENTIONE DISPOSAL FACILITY DECENTIONE DISPOSAL FACILITY DECENTIONE Inches BARKE BOTTOMS Inches BS&W/B	IN OF Public Safety (the order, documentation of non-bazardous waste

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age	BULUTIONS
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AT	

donc@northstarforms.com (877)499-0492

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information Name David Rus

Phone	Math

à	1		GENE	RATOR		NO. HW- 70	5467
(enerator Manifest #	A 2 manual		Location of Origin		Contraction of the Contraction	
(enerator Name	XIO		Lease/Well Name & No.	Perlave	ide Tot	1H
1	ddress			County 11010	10 ut Mag	241224955	5
Ċ	lity, State, Zip			API No. Rig Name & No.	ad-1149.	141001	
	hone No.			AFE/PO No.		030103800	19
	Dil Based Muda		rvice Identification and Amount IN-INJECTABLE WATERS	Iplace volume next to		or cubic yards) PT E&P WASTE STREAMS	
	Dil Based Cuttings Water Based Muds	W	ashout Water (Non-Injectable)	1000		T ESP WASTE STREAMS	
	Water Based Cuttings Produced Formation Solids	- Pr	mpletion Fluid/Flow Back (Non-Inje oduced Water (Non-Injectable)	(1999)	= Ril	& Dunips	
	ank Bottoms		thering Line Water/Waste (Non-In) TERNAL USE ONLY	ectable)	TOP SOIL & CA	AND REAL PROPERTY AND REAL PROPERTY AND REAL PROPERTY.	
	Bas Plant Waste		ick Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL	CALICHE
	WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUC	TION	GATHERING LINES	
ſ	All	non-averant F&P waste n	NON-EXEMPT ESP Waste/S ust be analysed and be below three	ervice Identification and A	mount TPL Instability Connel	uite arfa Beachtiaite	
	Non-Exempt Other		STATISTICAL STATISTICAL STATISTICS		lect from Non-Exemp	the second s	
Ī	HSPOSAL QUANTITY		8 - BARRELS	L - LIQUID	10 CY-YARDS) E-I	ACH
ī	nereby certify that the above listed m	naterial(s), is (are) not haz	ardous waste as defined by 40 CFR	Part 261 or any applicable	state law. That each w	aste has been properly describe	ed, classified and
p	ackaged, and is in proper condition fo		g to applicable regulation. rated from oil and gas exploration a	nd production operation a	nd are not mixed with n	on-exempt waste (R360 Accept	a certifications on a
		per load basis only)					
	BCHA NON-EXEMPT:	40 CFR 261.21-261.24	is non-hazardous that does not exc , or listed hazardous waste as defin	ed by 40 CFR, part 261, si	Is for waste hazardous l abpart D, as amended. T	by characteristics established a he following documentation de	n RCRA regulations, monstrating the
		MSDS Information	ous is attached. (Check the appropri RCRA)	ate items as provided) fazardous Waste Analysis	and the second second	Other (Provide Descriptio	n Below)
	EMERGENCY NON-OILFIELD	Emergency non-hazar	dous, non-oilfield waste that has be	en ordered by the Departs		and the set of the set	and the second se
	Acuti	determination and a c	fescription of the waste must accor	npany this form)			
	(PRINT) AUTOCRUT	O AGENTS BONATURE	the second se	ATE		SIGNATURE	
Te	ansporter's		TRANS	PORTER	0	1 10 .	
	amee	n lex	Mex	Driver's Name Print Name	6051	ave Kuiz	
1.1	none No.			Phone No.	22		
	ansporter Ticket #			Truck No.	<u># 61</u>		
	ereby certify that the above named $I_{-} I_{-} I_{-}$	natorial(s) was/were pick	ed up at the Generator's site listed	above and delivered with	out incident to the dispo	nal facility listed below.	
-	SHEMINT DATE	COMPANY OF THE OWNER	I DGNATURE	DEDVERY DATE	~ ~	UNIVOR'S SIGNATURE	
	TRUCK TIME ST		DISPOSAL	FACILITY		RECEIVING AREA	
-	IN: OU1	E			Name/No	10	
Me	te Name/ rmit No. Halfway Fr	acility / NM1-006		Phone No.	575-392-6368		
241	idress <u>6601 Hobbs H</u> y	A CONTRACTOR OF A CONTRACT	ker 66 Carlsbad, NM 88220				
:59:	NORM READING	3S TAKEN? (Circle One TER TEST? (Circle One		If YES, was reading	> 50 micro roentgent	s? (Circle One) YES	NO
25 1	PAGG THE PAINT FIL	TEN TEST / Gircle One	and the second s	TTOMO			
7/20	to Name/ Init No. <u>Halfway Fr</u> Idress <u>6601 Hobbs Hy</u> NORM READING PASS THE PAINT Fill Foot		Inches	OTTOMS			
: 2/	t Guage d Guage			BS&W	/BBLS Received	BS&W (%)	
	ceived				Free Water Total Received		
(q	areby certify that the above load may	prist has been (circle one): ACCEPTED	DENIED	f denied, why?	832	
ived	47		11.14-2-1	100-		4-C	
Received	138		DATE	/ 104		SIGNATURE	
×	and a state of the second second second	White + R360 ORIGI	VAL Yellow-TRANSPORTER CC	JPY Pink-GENERATO	IR SITE COPY Gold-	RETURN TO GENERATOR	a section of a life

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oage	Environation AL
20	RITLATIONS
~	Contraction of the local division of the loc

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

REQUIRED INFORMATION

(PLEASE PRINT)

Company Man Contact Information

antoning C				P	ione No.
Generator Manifest #	78	GENE	RATOR Location of Origin	NO.H	W- 713748
Generator Name			Lease/Well Name & No. County	Porta verde	3/55 1H
City, State, Zip			APt No. Rig Name & No. AFE/PO No.	c 114761 pp1 2 0 - 025 4	2063
			(place volume next to was	te type in barrels or cubic yar	
Oil Based Muds Oil Based Cuttings	and the second se	LJECTABLE WATERS	A PROPERTY AND	OTHER EXEMPT F&P WAS	E STREAMS
Water Based Muds		ut Water (Non-Injectable) tion Fluid/Flow Back (Non-Inje	ctable		
Water Based Cuttings Produced Formation Solida	Produce	d Water (Non-Injectable)	Sector Contractor	BL D	DIND
Tank Bottoms		ng Line Water/Weste (Non-In IAL USE ONLY	ectable)	TOP SOIL & CALICHE SALES	PUMP
E&P Contaminated Soil Gas Plant Waste		/ashout (exempt waste)	YES NO	QUANTITY - 70	TOP SOIL CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTIO	and the second se	and the second se
There ocher an an a first the state.	L DIRECTIO			and the second s	IO LINES
All ne Non-Exempt Other	an exempt E&P waste must b	NON-LXEMPT EBP Waste/S e analysed and be below thre		nt Ignitability, Corrosivity adn Reac I from Non-Exempt Waste List	
DISPOSAL QUANTITY	1.0	ARRELS	and the second		
			L-UQUID 2	CY-YARDS	E - EACH
I hereby certify that the above listed ma packaged, and is in proper condition for	terial(s), is (are) not hazardou transportation according to a	weste as defined by 40 CFR opticable regulation.	Part 261 or any applicable sta	le law. That each waste has beer	properly described, classified and
RCRA EXEMPT:	Oil field wastes generated per load basis only)	from oil and gas exploration a			sste (R360 Accepts certifications on a
RCNA NON-EXEMPT:	40 CFR 261.21-261.24, or h waste as non-hazardous is	sted hazardous waste as defin attached. (Check the appropri	ned by 40 CFR, part 261, subpa ate items as provided)	rt D, as amended. The following	tics established in RCRA regulations, documentation demonstrating the
- Province and a second	MSDS Information	The second s	lazardous Waste Analysis		Provide Description Below)
EMERGENCY NON-OILFIELD	Emergency non-hazardous, determination and a descri-	non-oilfield waste that has be ption of the waste must accord	ion ordered by the Departmen	t of Public Safety (the order, docu	mentation of non-hazardous waste
		priori di tra transi ridat accor	opany mis round		
(PRINT) AUTOOR2ED	AGENTS SIGNATURE	0	ATE	EGNATURE	
Transmith	Truth 1	TRANS	PORTER	100	
Transporter's 50m	Tex Mix.		Driver's Name	abox Rada	6.27
Address			Print Name		W. C. Starter
Phone No.			Phone No.		
Transporter Ticket #			Truck No.	61	
I hereby certify that the above named ma	iterial(s) was/were picked up	at the Generator's site listed	above and delivered without in	ncident to the disposal facility lis	ted below,
SHIPMENT DATE	CRIVER'S SIGN	ATURE	DUVERY DATE		ER'S SIGNATURE
TRUCK TIME STA		and the survey of the local division of the	FACILITY	RECEIVIN	And a state of the
IN: OUT:		DISFUSA	TAULIT	Contractive and the first of the second	and the second se
				Name/No.	2
Site Name/ Permit No. Halfway Fac	ility / NM1-006		Phone No. 67	5-392-6368	
Address 6601 Hobbs Hw	US 62 / 180 Mile Marker 66	Carlsbad, NM 88220	Phone No.	0.000.0000	
NORM READINGS	TAKEN? (Circle One)	YES NO	If VES was reading > 6	0 micro roentgents? (Circle Or	AL VER NO
PASS THE PAINT FILT		YES NO	in rea, was reading > b	a micro roundjentst (circle or	e) YES NO
		THE OWNER AND ADDRESS OF TAXABLE PARTY.	ATTOMO		e) YES NO
feet	Incl		DTTOMS		
st Guage	1051		BS&W/BB	LS Received	BS&W (%)
Sind Guage			States States	Free Water	SANSON MANYO
leceived			To	tal Beceived	
Noneby certify that the above Jobel mater	ial has been (circle one):	ACCEPTED	DENIED If der	nied, why?	DRATURE
NAMEIPHINTI		DATE -	mit		KINATURE
A state of the second sec					
<130 / J	White - R360 ORIGINAL	Yellow- TRANSPORTER C	OPY Pink- GENERATOR S	TE COPY Gold- RETURN TO	OF A TOP ATOP

	EW MEXICO NON-HAZARD		INFORMATION*	mpany-Man Contact Information mar <u>APU-APU-A</u> me No
	GENI	ERATOR	NO.	M. BORDER
Community (XTT)	GLINI	1000000000000000000	Per la Ver	V-7,707751
Generator Manifest #		Location of Origin	Printer Press	111
Generator Name		Name & No.	315+140	21551509
Address		County	Lally	
		API No.	32-025-4	2043
City, State, Zip		Rig Name & No	111010111	993.52
Phone No.		AFE/PO No.	19 10001110	
Oil Based Muda	Service Identification and Amoun NON-INJECTABLE WATERS	t (place volume next to waste	OTHER EXEMPT E&P WASTE	
Oil Based Cuttings	Washout Water (Non-Injectable)		CONTRA EXEMPTICAL WASTE	91802049
Water Based Muds	Completion Fluid/Flow Back (Non-Inj	ectable)		
Produced Formation Solids	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-In	niectablei	and the second second	
Tank Bottoms E&P Contaminated Soil	INTERNAL USE ONLY	January and the state of the st	TOP SOIL & CALICHE SALES	100
Gas Plant Waste	Truck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICHE
WASTE GENERATION PROCESS: DRILLIN	G COMPLETION	PRODUCTION	GATHERING	LINES
an area attained and	NON-EXEMPT F&P Waster	Service Identification and Amount	- Contraction of the contraction	
	te must be analysed and be below the	eshold limits for toxicity (TCLP), Igr	and the state of the state where the state branch we have presented in the barry pre-	
Non-Exempt Other		*please select fr	om Non-Exempt Waste List c	m back
DISPOSAL QUANTITY	0 - DARRELS	L-UQUID DD	CY-YARDS	E - EACH
Thereby certify that the above listed material(s), is (are) not	and the second se	Part 261 or any applicable state I		
packaged, and is in proper condition for transportation acco	rding to applicable regulation.	to make an any approache acard i	we man each waste has been p	property described, classified and
RCRA EXEMPT: Oil field wastes g	enerated from oil and gas exploration	and production operation and are	not mixed with non-exempt was	te (R360 Accepts certifications on a
per load basis en RCRA NON-EXEMPT: Oil field waste with	y) hich is non-hazardous that does not ex	and the selectory strends to be	and a feature for the statements of	
40 CFR 261.21-25	1.24, or listed hazardous waste as def	ined by 40 CFR, part 261, subpart I), as amended. The following de	cs established in HCHA regulations, ocumentation demonstrating the
waste as non-haz	ardous is attached. (Check the appropriate			
MSDS Information	n 🔲 RCRA	Hazardous Waste Analysis	and the second se	ovide Description Below)
EMERGENCY NON-OILFIELD Emergency non-tw	n RCRA azardous, non-oilfield waste that has b	Hazardous Waste Analysis seen ordered by the Department of	and the second se	CHORAGE THE PROPERTY AND
EMERGENCY NON-OILFIELD Emergency non-tw	n 🔲 RCRA	Hazardous Waste Analysis seen ordered by the Department of	and the second se	CHORAGE THE PROPERTY AND
EMERGENCY NON-OILFIELD Emergency non-tw	n RCRA azardous, non-oilfield waste that has b d a description of the waste must acco	Hazardous Waste Analysis seen ordered by the Department of	and the second se	CHORAGE THE PROPERTY AND
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EMERGENCY NON-OILFIELD MSDS Information Emergency non-tw determination and CPRINT) AUTHORIZED AGENTS SCREATURE Transporter's Second Transporter Ticket # Transporter Ticket # Transporter Ticket # Transporter Ticket # TRUCK TIME STAMP INC. 2017	n RCRA azardous, non-oilfield waste that has b I a description of the waste must acco I a descri	Hazardous Waste Analysis been ordered by the Department of impany this form) Date SPORTER Driver's Name Print Name Print Name Phone No. Truck No. I above and delivered without inci- DEUVENT DATE L FACILITY	Bublic Safety (the order, docum konstrume 23.56 Bc bent to the disposal facility liste Device	entation of non-hazardous wasto
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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

REQUIRED INFORMATION

(PLEASE PRINT)

Company Man Contact Information JONAT BURC Name

B. Manana C.						Phone No.	
Generator Manifest #X	TO	GENE	RATOR Location of Orig		2.2.20	NO.HW-	07750
			Lease/Well	9m <u></u>			
Generator Name			Name & No.		LSF,1	11 0361	554509
Address			County		acter by	5 122012	10 H. C.
City, State, Zip			API No. Rig Name & No	122	102012	12/2550	
Phone No.			AFE/PO No.	1. 11	49/110	1001	
	PT E&P Waste/Servi	ce Identification and Amount		t to waste b	une in barrels	nr cubic vacts)	
Oil Based Muds		NJECTABLE WATERS	The stand to a stand they	10 Hours		T E&P WASTE STREAMS	
Oil Based Cuttings Water Based Muda		out Water (Non-Injectable)		1.00	-		
Water Based Cuttings	Produ	letion Fluid/Flow Back (Non-Inje iced Water (Non-Injectable)	ctable)	_			
Produced Formation Solids	Gath	ering Line Water/Waste (Non-Inj	ectable)	-	www.moonses		
E&P Contaminated Soil	Contraction of the local division of the loc	INAL USE ONLY		_	TOP SOIL & CAL	and the second se	
Gas Plant Waste	and the second se	Washout (exempt waste)		NO	QUANTITY	TOP SO	L CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRO	DUCTION		GATHERING LINES	
	mempt E&P waste inus	NON-EXEMPT E&P Waste/S t be analyzed and be below three	ervice Identification a sheld limits for toxicit	nd Amount y (TCLP), Igni	tability, Company	ity ado Reactivity.	
Non-Exempt Other			*pleas	se select fro	m Non-Exempt	t Waste List on back	
DISPOSAL QUANTITY	8 -	BARRELS	L-UQUID	20	Y-YARDS	>	E - EACH
I hereby certify that the above listed materi	al(s), is (are) not hazard	ous waste as defined by 40 CFR I	Part 261 or any applic	able state la	w. That each wa		
packaged, and is in proper condition for tra	nsportation according to	o applicable regulation.					
	Dil field wastes generati er load basis only)	ed from oil and gas exploration a	nd production operation	ion and are n	ot mixed with no	in-exempt waste (R360 Ac	copts certifications on a
RCRA NON-EXEMPT	I field waste which is	non-hazardous that does not exce	eed the minimum star	ndards for we	ate hazardous b	v characteristics establish	ed in RCRA regulations.
a second and a second se	O CFR 261.21-261.24, o	r listed hazardous waste as defin is attached. (Check the appropria	ed by 40 CFR, part 26	1, subpart D,	as amended. Th	ne following documentatio	n demonstrating the
	ASDS Information		lazardous Waste Ana			D Other (Provide Descri	ption Below)
	Weinstein auf der Mathematiken (is, non-oilfield waste that has be	Contraction of the second s	a later and a later an			
	otermination and a des	cription of the waste must accorr	opany this form)	particulary ent	and served the		International Province
				_		- Martine -	
(PRINT) AUTHORIZED AGE	NTS SIGNATURE	The second se			_	SIGNATURE	
Transporter's		TRANS	PORTER		2.11	7 12	
Name Ser	n ICA	MCX	Driver's Name		21/150	wh Had	HC11
Address Phone No. 492-	206.00	000	Print Name		_		
Phone No. <u>4122-</u> Transporter Ticket #	207-10	.70	Phone No.		22	Rellection	1997
I hereby certify that the above named mater	ialfs) was Avere nicked	up at the Generator's site listed (Truck No.	without include	unt to the literale	al facility listed haloss	
	unity many rear preside	op of the General and a site instead	11-18-	2.	and the mild district		é
SHIPMENTDATE	DRV(R'S S	GNATURE	DELMERY	MATE	- Hereite	DRIVER'S SIGNATURE	
TRUCK TIME STAN	IP	DISPOSAL	. FACILITY			RECEIVING AREA	
IN: OUT:	1		CONTRACTOR OF STREET, ST	N	lame/No	28	
Site Name/	A STATE STATE STATES	-		100			
Halfway Facil			Phone No.	575-3	92-6368		
dress <u>6601 Hobes Hwy U</u>	S 62 / 180 Mile Marker	66 Carlsbad, NM 88220					
NORM READINGS T		YES NO	If YES, was read	ting > 50 mi	cro roentgents	? (Circle One) YES	NO
PASS THE PAINT FILTER	TEST7 (Circle One)	YES NO	II WEEK-KOUTH	SAL ROAMSSILLS	server and an	California and a second	
		TANK BO	OTTOMS				
Faet Feet		aches	NOTING STANDARD	AVALANT IN P		1 200000	
Set Guage			BS	&W/BBLS F	and the second se	BS&W	(%)
Öld Guage				and the second se	e Water leceived		
the state of the s		() and there	eraute.		and the second se		
Pareby certify that the above load material	has been (circle ona):	ACCEPTED	COLUMN TO A COLUMNT TO A COLUMNT TO A COLUMNT TO A COLUMNT TO A COLUMN TO A COLUMNT TO A COLUMNTA A COLUMNT TO A COLUMNTA A COLUMNTA A COLUMNTA A COLUMNT TO A COLUMNTA	If denied,	why7		
ea	Inter a second a second	1 12 201	DENIED	in durinoù,		1/	-
	4	1.15.24	1413	n darnod,			_
	White - R360 ORIGINA	1.13.24 DAT		NATOR SITE C		SIGNATURE RETURN TO GENERATOR	

NEW MEXICO NON-HAZARDOUS OILFIELD	WASTE MANIFEST
(PLEASE PRINT)	*REQUIRED INFORMA

	Comment Comments	Name-
D	INFORMATION*	Phone No

2					
of 103	NEW MEXICO NON-HAZAR	DOLLE OIL EIEL D WARTE	MANIFERT	Company Man Cor	stact Information
BRACO	NEW MEAICO NON-HAZAR	DODS OILFIELD WASTE	MANIFEST	Name	J Bur
BUCCTERNS	(PLE	ASE PRINT) *REQUIR	RED INFORMATION*	Phone No.	1
Pa		ITS ATO D			
and the second	ITO GEN	VERATOR	De NO	HW- 70	7755
Generator Manifest #	10	Location of Origin . Lease/Well	reada 1	cade	
Generator Name		Name & No.	31.5+1.1+	132 153	8509
Address		County	5 dely	/	
City Plate Vie		API No.	303027	-420G	
City, State, Zip Phone No		AFE/PO No.	11494611	W/ Car	
	MPT E&P Waste/Service Identification and Amo		ste type in barrels or cubic	vards)	
Oil Based Muds	NON INJECTABLE WATERS		OTHER EXEMPTEMPY		
Oil Based Cuttings Water Based Muds	Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-	(alectable)		1.0.000-0-0-0	
Water Based Cuttings Produced Formation Solids	Produced Water (Non-Injectable)	Dista State			
Tank Bottoms	Gathering Line Water/Waste (Nor INTERNAL USE ONLY	-injectable)	TOP SOIL & CALICHE S/	MES	-
E&P Contaminated Soil Gas Plant Waste	Truck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING COMPLETION	PRODUCTIO	ON GATH	FRING LINES	
NIGON STREET	NON-EXEMPT E&P Wast	e/Service Identification and Amo	iont	1- 1948 C	
All non- Non-Exempt Other	exempt E&P waste must be analyzed and be below t		a second s		
	and the second se	-prease sere	ct from Non-Exempt Waste	LIST ON DUCK	
DISPOSAL QUANTITY	B - BARRELS	L-10000 20	Y-YARDS	E · E/	
I hereby certify that the above listed mater mechanical and is in preserve condition for tra-	rial(s), is (are) not hazardous waste as defined by 40 (ansportation according to applicable regulation.	CFR Part 261 or any applicable sta	ate law. That each waste has	been properly describe	d, classified and
- I Compared the second of the second s second second s Second second s Second second seco	Oil field wastes generated from oil and gas exploratio	on and production operation and	are not mixed with non-exem	ot waste (R360 Accepts	certifications on a
	per load basis only)				
Green Non-Exempt:	Oil field waste which is non-hazardous that does not 40 CFR 261.21-261.24, or listed hazardous waste as o	exceed the minimum standards f defined by 40 CFR, part 261, subp	or waste hazardous by charac art D, as amended. The follow	teristics established in ving documentation der	RCRA regulations, nonstrating the
· · · · · · · · · · · · · · · · · · ·	waste as non-hazardous is attached. (Check the appro-	opriate items as provided) RA Hazardous Waste Analysis	and the second		157 Sales and a street of
	Emergency non-hazardous, non-oilfield waste that ha	and the second se	Concerning of the second second	er (Provide Description	of the owner watches where the owner where the owner watches where the owner watches where the owner watches w
	determination and a description of the waste must a	company this form)	in or rubine samely time order,	accomentation of non-t	lazaroous waste
(PRINT) AUTHORIZED ASI	Contraction of the local division of the loc	DATE	SIGNATU	PE	
Transporter's	TEN LINAN	ISPORTER	1. 11. 1	1 12	
Address	1 1 y acces	Driver's Name	Costores	11200	4
	209 9232	Print Name Phone No			
Transporter Ticket #		Truck No.	S & L.	6 allet 1 1	22
I hereby certify that the above named mate	rial(s) was/were picked up at the Generator's site list	ted above and delivered without	incident to the disposal facilit	y listed below.	
SHIPMENT DATE	DRIVER S SIGNATURE	DELIVERY DATE		CHINGE'S SIGNATURE	
TRUCK TIME STAN	AP DISPOS	AL FACILITY	BECE	VING AREA	
IN: OUT:			Name/No. 7	Y	
Circ. Name of				0	
Permit No. Halfway Facil		Phone No. 5	75-392-6368	1992	
70 ddress 6601 Hobbs Hwy U	JS 62 / 180 Mile Marker 66 Carlsbad, NM 88220				
NORM READINGS T		If YES, was reading > 5	50 micro roentgents? (Circl	e One) YES	NO
PASS THE PAINT FILTER					
7005 me mini men		BOTTOMS			
Aut Guage	loches	BS&W/B	BLS Received	BS&W (%)	
Conceived		a survey and	Free Water	a state West	
Succived		To	otal Received		
We really cartify that the above load material (Mineral)	I has been (circle one) ACCIPTED	DENIED) (If de	enied, why?	An/ In	
ive					
		1011		UX V	}
NAME (TRINI)	White - R360 ORIGINAL Yellow- TRANSPORTE	R COPY Pire GENERATOR)

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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Compa	ny Man	Contact	Informati	ion
Name	P	West	DIA	1
			1	

				Phone No	
	VT	GEN	ERATOR	NO.HW- 7077	53
Generator Manifest #	X 15		Location of Origin _ Lease/Well	TEALLA VENULA	
Generator Name			Name & No.	315+211.03C1552	509
Address			County	1. del. 1	
			API No.	30-625-42063	
City, State, Zip			Rig Name & No	NAP 2012744133	_
Phone No.			AFE/PO No	1199691001	_
	the second s	the second s	nt (place volume next to was	ste type in barrels or cubic yards)	
Oil Based Muda Oil Based Cuttings		ION-INJECTABLE WATERS	1.1.1.1.1.2	OTHER EXEMPT E&P WASTE STREAMS	1000
Water Based Muds		Vashout Water (Non-Injectable) Completion Fluid/Flow Back (Non-In	(ectable)		
Water Based Cuttings Produced Formation Solids		roduced Water (Non-Injectable)	C		
Tank Bottoms		athering Line Water/Waste (Non-I NTERNAL USE ONLY	njectable)	TOP SOIL & CALICHE SALES	_
E&P Contaminated Soil Gas Plant Waste		ruck Washout (exempt waste)	YES NO	QUANTITY TOP SOIL CALL	CHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTIO		Gric
Whate development induced.	Discurd		And a second sec		_
All non	exempt F&P waste	NON-EXEMPT E&P Waste/ must be analysed and be below thr	Service Identification and Amor exhold limits for tracity (TCLP)	unt Ignitability, Corrosivity adn Reactivity	
Non-Exempt Other				t from Non-Exempt Waste List on back	
DISPOSAL QUANTITY		8 - BARRELS	L-LIQUID	() Y-YARDS E-EACH	
I hereby certify that the above listed mate	rial(s), is (are) not ha	zardous waste as defined by 40 CFI	R Part 261 or any applicable sta	te law. That each waste has been properly described, classi	fied and
packaged, and is in proper condition for tr	ansportation accord	ng to applicable regulation.			
TRCRA EXEMPT	Oil field wastes ger per load basis only)	erated from oil and gas exploration	and production operation and a	are not mixed with non-exempt waste (R360 Accepts certific	ations on a
RCRA NON-EXEMPT:	20 C 00 C 00 C 0 C 0 C		ceed the minimum standards fo	or waste hazardous by characteristics established in RCRA n	equiations.
-	40 CFR 261.21-261.	24, or listed hazardous waste as de	fined by 40 CFR, part 261, subpl	art D, as amended. The following documentation demonstrat	ting the
	MSDS Information	dous is attached. (Check the approp	Hazardous Waste Analysis	Other (Provide Description Below)	
EMERGENCY NON-OILFIELD	survivor, and an other survey of the local diversity of the			t of Public Safety (the order, documentation of non-hazardou	_
		description of the waste must acc		t of Poblic safety time orber, documentation of non-nazardou	IS WASIO
	CONTRACTOR CONTRACTOR	and construction of the second second			
(PRINT) AUTHORIZED AL	CNTS SIGNATURE		DAT	SIGNATURE	
Transporter's	444.5	TRANS	SPORTER	111 2 22 - 2	1
Namo See	168	BICK	Driver's Name	Libert Haard	
Address	2 112 2 2 2	1.2	Print Name		-
Phone No.	2000 4	A DL	Phone No	38 Bellychowa	
Transporter Ticket //		and an end of the second se	Truck No.	and the second	
I hereby certify that the above named mate	enaits) was/were pi	and up at the Generator's site liste	d above and derivered without i	ncident to the disposal facility fisted bolow.	
DHPMENT DATE	DW	IT'S SIGNATURE	DELIVERY DATE	DRIVER'S SIGNATURE	<u> </u>
TRUCK TIME STAN	MP	DISPOSA	L FACILITY	RECEIVING AREA	
IN: OUT:				Name/No.	
Cite Name/ Germit No. 6691 Hobbs Hwy NORM READINGS PASS THE PAINT FILTER	lity / NM1-006	and the second second second second second	Phone No. 67	6-392-6368	
ddress 6601 Hobbs Hwy	US 62 / 180 Mile Ma	rker 66 Carlsbad, NM 88220			
NORM READINGS	TAKEN2 (Circle Or	e) YES NO	If VES was readion > 6	0 micro roentgents? (Circle One) YES NO	
DASS THE DAINT FUTU	R TEST? (Circle Or		in rea, while reading > a	o micro rounigentar (circle only 11:5 No	
PASS THE PAINT PUTE	A reaction formation for	the second s	077010	1	
PASS THE PAINT FILTER	A REAL PROPERTY AND A REAL PROPERTY AND	TABLE D			
FASS THE PAINT FILTER			OTTOMS	A REAL PROPERTY OF A REAL PROPER	_
Foet Foet		Inches		LS Received BS&W (%)	
Foet Foet				ILS Received BS&W (%) Free Water	
Foet Foet			BS&W/BB		
it Guage	I has been (circle or	loches	BS&W/88	Free Water tal Received	
it Guage	I has been (circle or	loches	BS&W/88	Free Water	
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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Mep Contact Information 51/11 Name Auro

Page 1040000					
	4772	GENE	RATOR	/NO.HW- 718	3120
Generator Manifest #	XTO		Location of Origin	leant VPInda	
Generator Name			Lease/Well Name & No.	315+7 4 2810	58505
Address			County	1 dily	10.307
and the second			API No.	30-025-42.0113	
City, State, Zip			Rig Name & No	MAPP201274015	1
Phone No.			AFE/PO No	1199661001	
Oil Based Muds		rvice Identification and Amoun	t (place volume next to waste		
Oil Based Cuttings		ON-INJECTABLE WATERS ashout Water (Non-Injectable)		OTHER EXEMPT L&P WASTE STIRLAMS	
Water Based Muds Water Based Cuttings	Cc	Impletion Fluid/Flow Back (Non-Iner	ictable)		
Produced Formation Solids		oduced Water (Non-Injectable) inhering Line Water/Waste (Non-In	iertable)		
Tank Bottoms E&P Contaminated Soil		TERNAL USE ONLY		TOP SOIL & CAUCHE SALES	Seattle State
Gas Plant Waste	In	uck Washout (exempt waste)	YES NO	QUANTITY TOP SOIL	CALICHE
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	GATHERING LINES	
No.		NON-EXEMPT F&P Wasters	ervice Identification and Amount		
	non-exempt E&P watte e	aut be analysed and be below three	shold limits for toxicity (TCLP), Ig	nitability, Corrosivity adn Beactivity.	
Non-Exempt Other			please select l	rom Non-Exempt Waste List on back	
DISPOSAL QUANTITY		D - BARRELS	L.LIQUID 20	R- YARDS E- EA	СН
I hereby certify that the above listed m	aterial(s), is (are) not haz	ardous waste as defined by 40 CFR	Part 261 or any applicable state	law. That each waste has been properly described,	classified and
packaged, tilld is in proper condition fo RCRA EXEMPT:	r transportation accordin	g to applicable regulation.			
	per load basis only)	rated from oil and gas exploration a	ind production operation and are	not mixed with non-exempt waste (R360 Accepts of	certifications on a
RCRA NON-EXEMPT:	Oil field waste which	is non-hazardous that does not exc	eed the minimum standards for	waste hazardous by characteristics established in R	ICRA regulations.
	40 CFH 261.21-261.24	I, or listed hazardous waste as define ous is attached. (Check the appropri- tion of the second s	ned by 40 CFR, part 261, subpart	D, as amended. The following documentation demo	onstrating the
and a second second second second	MSDS Information		Hazardous Waste Analysis	Other (Provide Description E	Below
EMERGENCY NON-OILFIELD	Emergency non-hazar			f Public Safety (the order, documentation of non-ha	
The second s					CEDERIOUE WARMEN
	determination and a c	lescription of the waste must accor	npany this form)	To assoce a serierly for the second descent series of the second	izardous waste
(BRINTS ALTERSTOP	The second second second	fescription of the waste must accor	npany this form)		szardous waste
(PRINT) AUTHORIZE	determination and a c	fescription of the waste must accor	npany this form)	SHENATLIPE	szerdous waste
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Transporter'sSe	The second second second	fescription of the waste must accor	PORTER		
Transporter'sSe Name Address	D AGENTS GIGNATURE	fescription of the waste must accor	PORTER	SHEMATURE	
Transporter's Se Name Address Phone No. 47	D AGENTS GIGNATURE	fescription of the waste must accor	PORTER Driver's Name Print Name Phone No.	SHEMATURE	
Transporter's Se Name Address Phone No. Transporter Ticket #	олинтерилатия m Tex 2-205-	TRANS	PORTER Driver's Name Print Name Phone No. Truck No.	SHEWARDE Cillant Hann	
Transporter's Se Address Phone No. Transporter Ticket # Thereby certify that the above named in	o AGENTS GROVATURE <u> JPT TCX</u> <u> Z = Z D G -</u> saterial(s) was/were pick	et up at the Generator's site listed	PORTER Driver's Name Print Name Phone No. Truck No.	SHEWATIONE	
Transporter's Se Name Address Phone No. Transporter Ticket # Thereby certify that the above named in SIMPMENT DATE	o AGENTE GERVATURE <u> 27772</u> 2 - <u>205</u> satorial(s) was/wore pick DRIVUR	escription of the waste must accor TRANS	PORTER Driver's Name Print Name Phone No. Truck No. Truck No. above and delivered without inc DELIVERY DATE	SHEWARDE Cillant Hann	
Transporter's Se Address Phone No. Transporter Ticket # Thereby certify that the above named in SIMPMENT DATE TRUCK TIME ST	o AGENTE GERVATURE <u> 27772</u> 2 - <u>205</u> satorial(s) was/wore pick DRIVUR	escription of the waste must accor TRANS	PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc	SHEWATIONE	
Transporter's Se Name Address Phone No. Transporter Ticket # Thereby certify that the above named in SIMPMENT DATE	o AGENTE GERNATURE <u> <u> </u> </u>	escription of the waste must accor TRANS	PORTER Driver's Name Print Name Phone No. Truck No. Truck No. above and delivered without inc DELIVERY DATE	SHEWATCHE	
Transporter's Sc Address Sc Phone No	o AGENTE GERVATURE <u> 2 - 205 -</u> saterial(s) wax/were pick DHI/UT AMP	escription of the waste must accor TRANS	PORTER Priver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVERY DATE FACILITY	SHEWATCHE	
Transporter's Sc Address Sc Phone No	AGENTE GENATURE <u> <u> </u> </u>	escription of the waste must accor TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS	PORTER Priver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVERY DATE FACILITY	SHEWATCHE	
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Transporter's Sc Address Sc Phone No	AGENTE GERVATURE <u> <u> </u> </u>	escription of the waste must accor TRANS	PORTER PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVERY DATE FACILITY Phone No. 575	SHENATURE	
Transporter's Sc Address Sc Phone No	AGENTE GERATURE <u> <u> </u> </u>	escription of the waste must accor TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS	PORTER PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVERY DATE FACILITY Phone No. 575	SHENATURE	
Transporter's Sc Address Sc Phone No	AGENTE GERATURE <u> <u> </u> </u>	escription of the waste must accor TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS	PORTER PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVENT DATE FACILITY Phone No. 575 If YES, was reading > 50 of DTTOMS	SHEWATCHE CillArch March dent to the disposed facility listed below Develop is SEAAJONE RECEIVING AREA Name/No 392-6366 nicro roentgents? (Circle One) YES	
Transporter's Se Address Se Phone No. Se Transporter Ticket # Se I hereby certify that the above named in SIMPMENT DATE TRUCK TIME ST IN: OUT Site Name/ Halfway Fa 6601 Hobbs Hy NORM READING PASS THE PAINT FIL Feat	AGENTE GERATURE <u> <u> </u> </u>	escription of the waste must accor TRANS TRANS TRANS TRANS TRANS TRANS TRANS TANK BI	PORTER PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVERY DATE FACILITY Phone No. 575 If YES, was reading > 50 o DTTOMS BS&W/BBLS	SHENATURE	
Transporter's Se Address Se Phone No. Se Transporter Ticket # Se I hereby certify that the above named in SIMPMENT DATE TRUCK TIME ST IN: OUT Site Name/ Halfway Fa 6601 Hobbs Hy NORM READING PASS THE PAINT FIL Feat	AGENTE GERATURE <u> <u> </u> </u>	escription of the waste must accor TRANS TRANS TRANS TRANS TRANS TRANS TRANS TANK BI	PORTER PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVERY DATE FACILITY Phone No. 575 If YES, was reading > 50 (DTTOMS	SHENATURE	
Transporter's Sc Address Sc Phone No. Transporter Ticket # Thereby certify that the above named in SIMPMENT DATE TRUCK TIME ST IN:OUT Site Name/ Halfway Fa 6601 Hobbs Hy NORM READING PASS THE PAINT FILL TRUCK Guage Feet Foot Foot TRUCK TIME ST IN:OUT	AGENTS SIGNATURE	escription of the waste must accor TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TANK BI Inches	npany this form) All PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVERY DATE FACILITY Phone No. 575 If YES, was reading > 50 i DTTOMS BS&W/BBLS F Tota	SHENATURE	
Transporter's Sc Address Sc Phone No. Transporter Ticket # Thereby certify that the above named in SIMPMENT DATE TRUCK TIME ST IN:OUT Site Name/ Halfway Fa 6601 Hobbs Hy NORM READING PASS THE PAINT FILL Feat Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot COURT ON THE PAINT FILL Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot	AGENTS SIGNATURE	escription of the waste must accor TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS	npany this form) All PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVERY DATE FACILITY Phone No. 575 If YES, was reading > 50 i DTTOMS BS&W/BBLS F Tota	SHENATURE	
Transporter's Sc Address Sc Phone No. Transporter Ticket # Thereby certify that the above named in SIMPMENT DATE TRUCK TIME ST IN:OUT Site Name/ Halfway Fa 6601 Hobbs Hy NORM READING PASS THE PAINT FILL Feat Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot COURT ON THE PAINT FILL Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot Foot COURT ON THE PAINT FILL Foot	AGENTS SIGNATURE	escription of the waste must accor TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TRANS TANK BI Inches	PORTER PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc DELIVERY DATE FACILITY Phone No. 575 If YES, was reading > 50 o DTTOMS DENIED DENIED If denie	SHEMATURE	
Transporter's Set Address Address Phone No. Address Phone No. Address Transporter Ticket # Intereby certify that the above named in Intereby certify that the above named in Intereby certify that the above named in SHEMENT DATE TRUCK TIME ST. IN: OUT Site Name/ Halfway Fa G601 Hobbs Hy NORM READING PASS THE PAINT FIL Feet Ind Guage Feet Ind Guage Feet Ind Guage Feet	AGENTS SIGNATURE		npany this form) Alt PORTER Driver's Name Print Name Phone No. Truck No. above and delivered without inc DELWERY DATE FACILITY Phone No. 575 If YES, was reading > 50 o DTTOMS DENIED DENIED Tota DENIED Tota	SHENATURE	

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NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company M	an Ç	ontact	Inform	ation
Name	7,	est.	12	11.1
Phone No.		- 1	1	1

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		10 10 10	GENE	RATOR	0	NO.HW-	71,81	21
8	Generator Manifest #	X1D		Location of Origin	le.	and VI	17000	e dan olu
				Lease/Well	-7.0			
	Senerator Name		the second s	Name & No.	5151	IH D	36155	1509
3	Address			County		Lady		
				API No.	317-1	1225-64	2013	
1	City, State, Zip			Rig Name & No.	lala PI	124127	4970	
1	Phone No.		and the second se	AFE/PO No.	- 110	1966 10	201	
1	EXEMPT	&P Waste/Sei	vice Identification and Amount	(place volume next to wash	type in harrels	or cubic variet		
	Oil Based Muds	NO	N-INJECTABLE WATERS	The second second second second		T E&P WASTE STR	FARAS	
	Oil Based Cuttings	W	shout Water (Non-Injectable)	11/1/ Y	Contraction and a second	In succession of the successio	2000	
	Water Based Muds Water Based Cuttings	Co	npletion Fluid/Flow Back (Non-Inje	ctable)				
	Produced Formation Solida	Pro Pro	duced Water (Non-Injectable) hering Line Water/Waste (Non-Inje	(aldebe				
	Tank Bottoms		ERNAL USE ONLY	sctatole)	TOP SOIL & CAU	IN IS A REAL PROPERTY.	_	
	E&P Contaminated Soil Gas Plant Waste		k Washout (exempt waste)	100 MG	and the second sec	and the owner of the local division of the l		
	CARL DIS MILL CARLON	and the second se	and the second se	YES NO	QUANTITY		and the second se	ALICHE
L	WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION		GATHERING LIN	IES	
I	and the second se	11	NON-EXEMPT E&P Waste/Se	ervice Identification and Amoun		Contraction of the		
ł		pt E&P wanto m	at be analysed and be below three	hold limits for toxicity (TCLP). Is	nitability, Corrosiv	ity adn Reactivity.	1	
L	Non-Exempt Other	Wheeler and the second		*please select l	om Non-Exempt	Waste List on b.	ick	
Ĩ	DISPOSAL QUANTITY		- BARRELS	1. 1.00.000	The support	1		
	and the second se		and all states and a second states a	L+LIQUID DL	Y. YARDS		E - EACH	
1	hereby certify that the above listed material(s)	is (are) not haza	rdous waste as defined by 40 CFR I	Part 261 or any applicable state	law. That each wa	ste has been prope	orly described, cla	ssified and
1	ackaged, and is in proper condition for transpo RCRA EXEMPT: Oil fe							
		ad basis only)	ited from oil and gas exploration ar	nd production operation and are	not mixed with no	in-exempt waste (R	K360 Accepts cert	ifications on a
	THE PROPERTY OF THE PROPERTY O		s non-hazardous that does not exce	and the minimum standards for	uneto buendano b	o characterization as	making to 000	
	40 CF	8 261 21-261 24	or listed hazardous waste as defin	ed by 40 CFR, part 261, subpart	D, as amended. Th	y characteristics en le following docum	nablished in HCR/	A regulations, tration the
	wast	as non-hazardo	is is attached. (Check the appropria	ite items as provided)				Sector Sector
	MSD:	S Information	RCRA H	lazardous Waste Analysis		Other (Provide	Description Belo	wvł
	EMERGENCY NON-CILFIELD Emerg	pency non-hazard	ous, non-oilfield waste that has be	en ordered by the Department of	f Public Safety (the	order, documenta	tion of non-hazan	dous waste
	deter	nination and a d	escription of the waste must accom	pany this form)	and the second second		and an erest fighters	and a state of
		and a solution of the						
1	(PRINT) AUTHORIZED ADENTS \$	IGNATURE	DA	UL.		BIONATURE		
			TRANS	PORTER				/ /
	ansporter's SEM	Trv	mer	the state of the s	1:160	12 11	sne	. (
	ddress	12 6		Driver's Name	21190	Sel 201.	STATE	-
1.5	hone No. 1/3 2 - 0	129 1	12212	Print Name				
1	ansporter Ticket #			Phone No	2015			
				Truck No.	1	1 million	1	
."	ereby certify that the above named material(s	wat/were picke	d up at the Generator's site listed a	ibovii and delivered without inc	dent to the dispos	al facility listed be	low.	
	SHIPMENT DATE	DRATES	SIGNATURE	BELIWERY DATE		DREVOUS SK	ALC: NO	
Г	and the second		strend with the owner of the local data and	the second s		or other successful designed by the second se	a pitche and a second sec	
	TRUCK TIME STAMP		DISPOSAL	FACILITY		RECEIVING A	REA	
	IN: OUT:		and the second second second		Name/No.	40		
ē	te Name/	THE REAL PROPERTY.		100 000 000				
	Irmit No. Halfway Facility /		and the second sec	Phone No. 575	392-6368			
4	idress 6601 Hobbs Hwy US 62,	180 Mile Mark	er 66 Carlsbad, NM 88220	Sector Contraction				
2	NORM READINGS TAKE	12 Picela Dana)	YES -NO	HATE	000000000000000000000000000000000000000			28
5		010000000000000000000000000000000000000		If YES, was reading > 50	nicro roentgents	7 (Circle One)	YES NO	25
5	PASS THE PAINT FILTER TES	17 (Circle One)	YES NO	A STATE OF A STATE OF A STATE	and the second second	and the second second		
07			TANK BO	DTTOMS				WF 85-90-01 \$CUC/CU/C
2/7/2025 1:59:24 PM	Foet		Inches	ARCAR CONTROL				
	t Guage			BS&W/BBLS	Received	B	IS&W (%)	
a	d Guage			1	ee Water		1. 100-200	
ocn:	ceived	-		Tota	Received			Released to Imagino
2	ereby certify that the above load material had	nam (c)ude and	APCENTED	DENIED H / / /	10000			3
	mont country must man approximation material bas	ocen (circle one):	I ACCEPTED I	DENIED If denie	d, why?	10		
Received	NAME PRINTD		113:211	142	_		100	
ece			DATE	Jun		SIGNAR	AL	010
	138 Whi	e - R360 ORIGIN	AL Yellow-TRANSPORTER CO	PY Pink- GENERATOR SITE	COPY Gold-	RETURN TO GENER	RATOR	
- 600	nc@northstarforms.com (877)499-0492		and the state of the second second second	and the second s	and a second sec	and a second second	100 P360.5	SAME Course Property in

DOCO	NEW MEXICO NON-HAZARI	DOUS OILFIELD WASTE N	MANTEOT	Company Man Contact Information
	(PLEA	ASE PRINT) *REQUIRE	D INFORMATION*	Name Arange I Style I
	CEN	ERATOR		
Generator Manifest #XTO	GEN	Location of Origin	Penn NO.	718122
		Lease/Well	216.00	1 saurer
Generator Name		Name & No.	31 57 711	1. D36155555
		API No.	30-0.25	12143
City, State, Zip Phone No		Rig Name & No AFE/PO No	N.1.11032	279425
	Naste/Service Identification and Amou		type in barrels or cubic y	ards)
Oil Based Muds	NON INJECTABLE WATERS		OTHER EXEMPT L&P WA	and the second se
Water Based Muds Water Based Cuttings	 Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-In 	njectable)		
Produced Formation Solids	 Produced Water (Non-Injectable) Gethering Line Water/Waste (Non- 	Injectable)		
Tank Bottoms E&P Contaminated Soil	INTERNAL USE ONLY	0	TOP SOIL & CALICHE SAL	Children and a second of the state of the second se
Gas Plant Waste DR WASTE GENERATION PROCESS: DR	Truck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICHE
Whate devending Photess.		Service Identification and Amoun	Land the second	UNG LINES
	P waste must be analysed and be below th	reshold limits for toxicity (TCLP), I	nitability. Corrosivity adn Res	activity
Non-Exempt Other		*please select	from Non-Exempt Waste Li	ist on back
DISPOSAL QUANTITY	B - BARRELS	L-LIQUID 20	Y - YARDS?	E - EACH
I hereby certify that the above listed material(s), is (ar packaged, and is in proper condition for transportation	 e) not hazardous waste as defined by 40 CF n according to applicable regulation. 	FB Part 261 or any applicable state	law. That each waste has be	een properly described, classified and
TRCRA EXEMPT: Oil field wa	stes generated from oil and gas exploration	n and production operation and are	not mixed with non-exempt	waste (R360 Accepts certifications on a
Per load ba	ate which is non-hazardous that does not e	exceed the minimum standards for	waste hazardous by characte	ristics established in RCRA regulations.
40 CFR 261	21-261.24, or listed hazardous waste as de on-hazardous is attached. (Check the appro	afined by 40 CFR, part 261, subpart	D, as amended. The followin	ng documentation domonstrating the
MSDS Infor				
	mation RCR	A Hazardous Waste Analysis	D Other	r (Provide Description Below)
EMERGENCY NON-OILFIELD Emergency	mation RCR non-hazardous, non-oilfield waste that has on and a description of the waste must acc	A Hazardous Waste Analysis been ordered by the Department	the second s	Contraction of the second s
EMERGENCY NON-OILFIELD Emergency	non-hazardous, non-oilfield waste that has on and a description of the waste must acc	A Hazardous Waste Analysis been ordered by the Department	the second s	cumentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency determination	non-hazardous, non-oilfield waste that has on and a description of the waste must acc	A Hazardous Waste Analysis been ordered by the Department company this form)	of Public Safety (the order, do	cumentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency determination (PRINT) AUTHORIZED AUTHORIZEN	non-hazardous, non-oilfield waste that has on and a description of the waste must acc	A Hazardous Waste Analysis been ordered by the Department company this form)	of Public Safety (the order, do	cumentation of non-hazardous waste
EMERGENCY NON-DILFIELD Emergency determination IPRINTY AUTHORIZED AGENTS SIGNATU Transporter's Score Name Score Address	non-hazardous, non-oilfield waste that has on and a description of the waste must acc ne Tex TRAN	A Hazardous Waste Analysis been ordered by the Department company this form) DATE SPORTER Driver's Name Print Name	of Public Safety (the order, do	cumentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency determinations IPRINTI AUTHORIZED ALENTS SIGNATU Transporter's Score Name Address	non-hazardous, non-oilfield waste that has on and a description of the waste must acc	A Hazardous Waste Analysis been ordered by the Department company this form) DATE SPORTER Driver's Name	of Public Safety (the order, downarder SIGNATURE	cumentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency determinati IPRENTI AUTHORIZED AGENTS SIGNATU Transporter's Name Address Phone No.	non-hazardous, non-oilfield waste that has on and a description of the waste must acc ne Trax Trans 09-9230	A Hazardous Waste Analysis been ordered by the Department o company this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No.	of Public Safety (the order, downsom signature 1.:1120000000000000000000000000000000000	cumentation of non-hazardous waste
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EMERGENCY NON-OILFIELD Emergency determination Fransporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) was/ BH#MENT DATE TRUCK TIME STAMP IN:OUT: Site Name/ Halfway Facility / NM	non-hazardous, non-oilfield waste that has on and a description of the waste must acc me TRANS 245-47231. Were picked up at the Generator's site liste Devens supercure DISPOSA	A Hazardous Waste Analysis been ordered by the Department company this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. Truck No. Ad above and delivered without ind DEUVERY DATE AL FACILITY	of Public Safety (the order, do SIGNATURE (cumentation of non-hazardous waste
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EMERGENCY NON-OILFIELD Emergency determinati EMERGENCY NON-OILFIELD Emergency determinati Emergency	non-hazardous, non-oilfield waste that has on and a description of the waste must acc me TRAN: 24-424. Were picked up at the Generator's site liste Deven's supercurv DISPOSA 11-006 Mile Marker 66 Carlsbad; NM 88220 ircle One) YES NO	A Hazardous Waste Analysis been ordered by the Department of company this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. DEUMONY DATE AL FACILITY Phone No. 575	of Public Safety (the order, do SIGNATURE (And AREA
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EMERGENCY NON-OILFIELD Emergency determinatio IPRENTI AUTHORIZED AGENTS SIGNATU Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) was/ I hereby certify that the above named material(s) BREMENT DATE TRUCK TIME STAMP IN:OUT: Site Name/ IN:OUT: IN:OUT: Site Name/ IN: IN: In: In:	non-hazardous, non-oilfield waste that has on and a description of the waste must acc me TRAN: 299-99-99-99-99-99-99-99-99-99-99-99-99-	A Hazardous Waste Analysis been ordered by the Department of company this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. DUVENY DATE AL FACILITY Phone No. Phone No. DUVENY DATE AL FACILITY Phone No. DIVENY DATE AL FACILITY Phone No. DIVENT DATE AL FACILITY Phone No. DIVERY DATE AL FACILITY Phone No. DIVENT DATE DENTOMS BS&W//BBL Tota DENED If dentered	of Public Safety (the order, do SIGNATURE (Cumentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency determinatio IPRINT AUTHORIZO ALENTS SUMATU Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named materialits) was/ I hereby certify that the above named materialits) was/ SHEMINT CATE TRUCK TIME STAMP IN:OUT: SHE Name/ UMINI NO. Halfway Facility / NM G601 Habbs Hwy US 62/180 1 NORM READINGS TAKEN? (C) PASS THE PAINT FILTER TEST? (C) I dress Fact Guage Hereby certify that the above had mitorial has been f NAME (PMNT)	non-hazardous, non-oilfield waste that has on and a description of the waste must acc me TRANS 254-54234 were picked up at the Generator's site liste Devens separature DISPOSA Mile Marker 66 Carlsbad, NM 88220 ircle One) YES NO TANK E Inches	A Hazardous Waste Analysis been ordered by the Department of company this form) DATE SPORTER Driver's Name Print Name Print Name Phone No. Truck No. ad above and delivered without in DEVERY DATE AL FACILITY Phone No. 575 If YES, was reading > 50 BOTTOMS BS&W/BBE Tota DENEE If deni	of Public Safety (the order, do SIGNATURE Ident to the disposal facility (RECEIV Name/No -392-6368 micro roentgents? (Circle (S Received ree Water I Helceived ed, why?	Cumentation of non-hazardous waste

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NEW MEXICO NON-HAZARDOUS OILFIELD W/	ASTE MANIFEST
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F N.

Company	Man	Contact	Information
Name	Pa	ind	Burd

× R360	NEW MEXICO NON-HAZARI		MANIFEST	Company Man Contact Information Name Bund
age securitans	*		CO INFORMATION	Phone No
Generator Manifest # Generator Name Address	GEN	ERATOR Location of Origin Lease/Well Name & No. County API No.		HW-,718156
City, State, Zip		Rig Name & No.	22.1149661	w]
Phone No. EXEMPT E&P Want	e/Service Identification and Amou	AFE/PO No	to here in harrals or suble	unital
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	NON-INJECTABLE WATERS Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Ir Produced Water (Non-Injectable) Gathering Line Water/Waste (Non- INTERNAL USE ONLY Truck Washout (exempt waste)	vjectable)	TOP SOIL & CALICHE SAL	ASTE STREAMS
WASTE GENERATION PROCESS: DRILLIN		PRODUCTIO		RING LINES
All non-exempt E&P wa Non-Exempt Other	NON-EXEMPT E&P Woste ste must be analysed and be below th		ant . Ignitability, Corrosivity adn fil et from Non-Exempt Waste (
DISPOSAL QUANTITY	B - BARRELS	L - LIQUID	U_Y_YARDS	E - EACH
40 CFR 261.21-2 waste as non-ha MSDS Informati	61.24, or listed hazardous waste as de zardous is attached. (Check the appro on RCR	rfined by 40 CFR, part 261, subp priate items as provided) A Hazardous Waste Analysis been ordered by the Departmen	art D, as amended. The follow	eristics established in RCRA regulations, ing documentation demonstrating the er (Provide Description Below) ocumentation of non-hazardous waste
(PRINT) AUTHORIZED AGENTS SIGNATURE	The second se	DATE	SIGNATUR	
Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) was/were	Tex Mex	SPORTER Driver's Name Print Name Phone No. Truck No. at above and delivered without	9	
TRUCK TIME STAMP	DISPOS/	AL FACILITY	The second s	VING AREA
IN: OUT:			Name/No.	8
Site Name/ ermit No. Address NORM READINGS TAKEN? (Circle PASS THE PAINT FILTER TEST? (Circle Feet	Marker 66 Carlsbad, NM 88220 One) YES NO One) YES NO	If YES, was reading > 5	7 5-392-6368 0 micro roentgents? (Circle	One) YES NO
707//		BOTTOMS		
Cond Guage	Inchea	1 - The	ILS Received Free Water Ital Received	BS&W (%)
(Thereby certify that the above load material has been (circle NAME (PROV) -138 White - R300 C	 		ITE COPY Gold- RETURN	

R360	NEW MEXICO NON-HAZARD			Company Man Contact Information
Anvestmanna .	PLEA	SE PRINT) *REQUIRE	D INFORMATION*	Phone No
	GEN	ERATOR	Perla Van	
Generator Manifest #		Location of Origin	Paria Ver	NE 513474
Generator Name		Name & No.	Marcal USC	1558509 1APP241274455
Address		County	The Ant A	1 A PP241274455
City, State, Zip		API No Rig Name & No	1200 - 06 2 - 1	4.4.9.83
Phone No.		AFE/PO No		
	ste/Service Identification and Amou	nt (place volume next to wast		
Oil Based Muds Oil Based Cuttings	Washout Water (Non-Injectable)	Philosophery B.	OTHER EXEMPT E&P W	ASTESTREAMS
Water Based Muds	Completion Fluid/Flow Back (Non-In Produced Water (Non-Injectable)	ijectable)	0.11	14
Produced Formation Solids	Gathering Line Water/Waste (Non-I	njectable)	13e (1	Y
E&P Contaminated Soil	INTERNAL USE ONLY		TOP SOIL & CALICHE SA	and the second se
Gas Plant Waste	Truck Washout (exempt waste)	YES NO	QUANTITY	TOP SOIL CALICHE
Whate development indeess.	NAMES OF TAXABLE PARTY.	and the second sec	and the second se	MING LINES
All non-exempt E&P w	raste must be analysed and be below the	Service Identification and Amoun reshold limits for toxicity (TCLP). I	n gnitability, Corrosivity adn Re	eactivity.
Non-Exempt Other		*please select	from Non-Exempt Waste	List on back
DISPOSAL QUANTITY	0 - BARRELS	L-LIQUID 2.	C Y YARDS	E - EACH
I hereby certify that the above listed material(s), is (are) a packaged, and is in proper condition for transportation ac	not hazardous waste as defined by 40 CF	R Part 261 or any applicable state	a law. That each waste has b	seen properly described, classified and
		and production operation and an	e not mixed with non-exemp	t waste (R360 Accepts certifications on a
per load basis	only)			
40 CFR 261.21	261.24, or listed hazardous waste as de	fined by 40 CFR; part 261, subpar	t D, as amended. The follow	toristics established in RCRA regulations, ing documentation demonstrating the
	hazardous is attached. [Check the approp			
MSDS Informa	tion RCR/	A Hazardous Waste Analysis	Oth	er (Provide Description Below)
EMERGENCY NON-OILFIELD Emergency nor	hazardous, non-olifield waste that has	A Hazardous Waste Analysis been ordered by the Department	the second s	er (Provide Description Below) locumentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency nor	the state of the s	A Hazardous Waste Analysis been ordered by the Department	the second s	No. of Concession, Name of Street, Stre
EMERGENCY NON-OILFIELD Emergency nor	hazardous, non-olifield waste that has	A Hazardous Waste Analysis been ordered by the Department	the second s	ocumentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency nor determination	h-hazardous, non-oilfield waste that has and a description of the waste must acc	A Hazardous Waste Analysis been ordered by the Department ompany this form)	of Public Safety (the order, d	ocumentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency nor determination	t-hazardous, non-eilfield waste that has and a description of the waste must acc TRANS	A Hazardous Waste Analysis been ordered by the Department ompany this form)	of Public Safety (the order, d	ocumentation of non-hazardous waste
EMERGENCY NON-OILFIELD Emergency nor determination	TRANS	A Hazardous Wasto Analysis been ordered by the Department ompany this form) DATE SPORTER Driver's Name Print Name	of Public Safety (the order, d	ocumentation of non-hazardous waste
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EMERGENCY NON-OILFIELD Emergency nor determination PRINT AUTHORIZED AGENTS SERVATURE Transporter's Name Address Phone No. Transporter Ticket # Thereby certify that the above named material(s) was/we	TRANS	A Hazerdous Waste Analysis been ordered by the Department ompany this form) DMTE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without in	of Public Safety (the order, d BIGNATOR Adr Cident to the disposal facility Adr	e
EMERGENCY NON-OILFIELD Emergency nor determination IPRINT AUTHORIZED AGENTS SERVATURE Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) wax/we DERMONT DATE	TRANS	A Hazerdous Waste Analysis been ordered by the Department ompany this form) DATE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without in (1) (1) (2) (2) DEDUCTY DATE	of Public Safety (the order, d Bicharde Adr 2 <4 644 cident to the disposal facility	ecumentation of non-hazardoux waste
EMERGENCY NON-OILFIELD Emergency nor determination	TRANS	A Hazerdous Waste Analysis been ordered by the Department ompany this form) DMTE SPORTER Driver's Name Print Name Phone No. Truck No. d above and delivered without in	of Public Safety (the order, d second Adv 2 - 4 6- cident to the disposal facility C	e Lupping 11122 45 45 45 45 45 45 45 45 45 45
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EMERGENCY NON-OILFIELD Emergency nor determination	TRANS	A Hazardous Waste Analysis been ordered by the Department ompany this form) DATE SPORTER Driver's Name Print Name Print Name Phone No. Truck No. d above and delivered without in Colument own	of Public Safety (the order, d	ALL Mus ALL
EMERGENCY NON-OILFIELD Emergency nor determination IPHINT AUTHORIZED AGINTS SERVATURE Transporter's Name Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) was/we BRING DATE TRUCK TIME STAMP IN:OUT: Site Name/ ermit No. <u>Halfway Facility / NM1- 6601 Hobbs Hwy US 62 / 180 Mill </u>	TRANS	A Hazerdous Waste Analysis been ordered by the Department ompany this form) DME SPORTER Driver's Name Print Name Print Name Phone No. Truck No. d above and delivered without in Constitution DEDUTION TRUCK NO. Truck NO. DEDUTION SCIENTING DEDUTION DEDUTION DEDUTION SCIENTING DEDUTION DEDUT	of Public Safety (the order, d Bicharde Adv 2 <6 6-4 cident to the disposal facility Cident to the disposal facility RECEN Name/No.	ALL Mus ALL
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EMERGENCY NON-OILFIELD Emergency nor determination IPHINTY AUTHORIZED AGENTS SERVATURE Transporter's Name Address Phone No. Transporter Ticket # Ihereby certify that the above named material(s) wax/we Determit No. EMERGENCY DATE TRUCK TIME STAMP IN:OUT: Site Name/ ermit No. Halfway Facility / NM1- G601 Hobbs Hwy US 62/180 Mill NORM READINGS TAKEN? (Circl PASS THE PAINT FILTER TEST? (Circl H Guage	TRANS	A Hazerdous Waste Analysis been ordered by the Department ompany this form) DME SPORTER Driver's Name Print Name Print Name Phone No. Truck No. d above and delivered without in Constitution own AL FACILITY Phone No. 579 If YES, was reading > 50 BOTTOMS	of Public Safety (the order, d schwrue 2 4 6 4 cident to the disposal facility PECEN Name/No i-392-6368 micro roentgents? (Circle	ALL Mus ALL
EMERGENCY NON-OILFIELD Emergency nor determination	TRANS	A Hazardous Waste Analysis been ordered by the Department ompany this form) DATE SPORTER Driver's Name Print Name Print Name Phone No. Truck No. d above and deliverad without in Convertive own AL FACILITY Phone No. <u>575</u> If YES, was reading > 50 BOTTOMS	of Public Safety (the order, d schurce 2 < 6	ecumentation of non-hazardoux waste
EMERGENCY NON-OILFIELD Emergency nor determination IPHINTY AUTHORIZED AGINTS SERVATURE Transporter's Name Address Phone No. Transporter Ticket # Ihereby certify that the above named material(s) was/we Detructed to atte TRUCK TIME STAMP IN:OUT: Site Name/ Energy Content of the paint of th	TRANS	A Hazardous Waste Analysis been ordered by the Department ompany this form) DATE SPORTER Driver's Name Print Name Print Name Phone No. Truck No. d above and delivered without in Constant No. d above and del	of Public Safety (the order, d	ecumentation of non-hazardoux waste
EMERGENCY NON-OILFIELD Emergency nor determination IPHINTY AUTHORIZED AGINTS SERVATURE Transporter's Name Address Phone No. Transporter Ticket # Ihereby certify that the above named material(s) was/we Determit No. TRUCK TIME STAMP IN:OUT: Site Name/ ermit No. Halfway Facility / NM1- G601 Hobbs Hwy US 62/180 Mil NORM READINGS TAKEN? (Circl PASS THE PAINT FILTER TEST? (Circl st Guage nd Guage	TRANS	A Hazardous Waste Analysis been ordered by the Department ompany this form) DATE SPORTER Driver's Name Print Name Print Name Phone No. Truck No. d above and delivered without in Constant No. d above and del	of Public Safety (the order, d schurce 2 < 6	ecumentation of non-hazardoux waste
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NEW MEXICO	NON-HAZARDOUS	OILFIELD WASTE MANIFEST
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Company	Man Contact	Information
Name _	Man Contact	Byrd
Phone No	1	

N Northerness of 103		Company Man Contact Information NameA By cd
Generator Manifest / X 10	GENERATOR	NO.HW-718110
Generator Namo Address	Location of Origin Lease/Well Name & No. County API No.	10-325 41-052
City, State, Zip	Big Name & No. AFE/PO No.	
EXEMPT E&P Waste	/Service Identification and Amount (place volume next to	waste type in barrels or cubic yards)
Dil Based Muds Dil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	NON-INJECTABLE WATERS Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Injectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) INTERNAL USE ONLY Truck Washout (exempt waste) YES (NO	OTHER EXEMPT EAP WASTE STREAMS Becomposition Control of the sales Control of the sale
WASTE GENERATION PROCESS: DRILLIN		
All non-exempt E&P was Non-Exempt Other	NON-EXEMPT E&P Wasta/Service Identification and A to must be analysed and be below threshold limits for toxicity ITC *please se	Amount SLP). Ignitability: Corrosivity ada Reactivity. elect from Non-Exempt Waste List on back
DISPOSAL QUANTITY	B - BARRELS L - LIQUID	2 CF Y YARDS E-EACH
RCRA EXEMPT: Dil Beld wastes g per load basis onl RCRA NON-EXEMPT: Dil Beld wastes w 40 CFR 261.21-26 waste as non-haz MSDS Informatio EMERGENCY.NON-OILFIELD Emergency non-ha	Inding to applicable regulation. enerated from oil and gas exploration and production operation a y) iich is non-hazardous that does not exceed the minimum standard 1.24, or listed hazardous waste as defined by 40 CFR, part 261, so ardous is attached. (Check the appropriate items as provided) n RCRA Hazardous Waste Analysis	e state law. That each waste has been properly described, classified and and are not mixed with non-exempt waste (RBBD Accepts certifications on a ds for waste hazardous by characteristics established in RCRA regulations, ubpart D, as amended. The following documentation demonstrating the s Other (Provide Description Below) ment of Public Safety (the order, documentation of non-hazardous waste
(PRINT) AUTHORIZED AGENTE SHUNATURE		
Transporter's Sen Te Name Sen Te Address Phone No. (432: 304 Transporter Ticket # Thereby certify that the above named material(s) was/were (1113/24	DATE	Adrian Jus Adrian Jus 246045 put incident to the disposal facility listed below. In Converse Science Juin
TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: OUT:		Name/No.
Site Name/ Wormit No. 6601 Hobbs Hwy US 62 / 180 Mile N NORM READINGS TAKEN? (Circle O PASS THE PAINT FILTER TEST? (Circle O Feet	larker 66 Carlsbad, NM 88220	Name/No. WV 85:97:01 S000000 676-392-6368 50 micro roentgents? (Circle One) YES NO
NORM READINGS TAKEN? (Circle C PASS THE PAINT FILTER TEST? (Circle C		> 50 micro roentgents? (Circle One) YES NO 2000
COCI Faat	TANK BOTTOMS	813
7 it Guage		/BBLS Received BS&W (%) Free Water Total-Received
A ereby certify that the above load enterial has been (circle of name and the second statement) 138 White - R380 08	MI MIL	I donied, why Exavorum Exavorum and Article Copy Gold- RETURN TO DENERATOR

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION Nam

Company Man Contact Information
Name
Phone No

Operator No. Operator No. Permit/RBC No. NO. 3590 Operators Name Permit/RBC No. Lease/Well Address County API No. City, State, Zip Rig Name & No. API No. Phone No. EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)	
Operator No. Permit/RRC No. Operators Name Name & No. Address County City, State, Zip Rig Name & No. Phone No. AFE/PO No.	
Operators Name Name & No. Name & No. Address County Address City, State, Zip Rig Name & No. APE/PO No.	99. 175955
Address County API No. API No. AFE/PO No. AFE/PO No.	276995
ity, State, Zip APi No Rig Name & No AFE/PO No AFE/PO No AFE/PO No.	
Ity, State, Zip Rig Name & No hone No AFE/PO No	
hone No AFE/PO No	
hi Based Muds OTHER EXEMPT WASTES (byte and gener	and the second second second
Washout Water (Non-Injectable)	the second second second second
COmpletion Floid/Flow flock (Non-Injectable)	
roduced Formation Solids Gathering Line Water (Mont Internation)	
INTERNAL USE ONLY	
as Plant Waste Truck Washout (exempt waste)	
ASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES	
NON-EXEMPT L&P Waste/Service Identification and Amount All non-exempt E&P waste must be analyzed and be below threshold limits for toxicity (TCLP), ignitability, Contraivity add Reactivity	
on-Exempt Other* please select from Non-Exempt Waste List on back	
JANTITY B-BARRELS Y-YARDS	E-EACH
reby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly de	
kaged, and is in proper condition for transportation according to applicable regulation.	rschueu, classineu an
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Desc	tription below)
(PRINT) AUTHORIZED AGENTS SIGNATURE BAZE SIGNATURE SIGNATURE	
TRANSPORTER	
me Driver's Name Adam Lotte	
Phone No.	
Truck No.	
whe No WHP No	
reby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.	144.5
SHIPMENT DATE DEVOLVES SERVATURE DELVOLVED DE	mes
I: OUT: Name/No	
Name/	
nit No. Red Bluff Facility / STF-065 Phone No. 432-448-4239	
ress 5053 US Hwy 285, Orla, TX 79770	
NORM READINGS TAKEN? (Circle One) YES ND If YES, was reading > 50 micro roentgents? (Circle One) YES	NO
NORM (mR/hr)	(10)
TANK DOTTORSO	
TANK BOTTOMS	
Guage Guage BSRW Revelved L L DCSW	1162
	V (%)
Guage Free Water	V(%)
Guage Free Water eived Total Received	V (%)
Guage Free Water eived Total Received	V (%)
Guage Free Water Total Received	∨(%)
Guage Free Water Total Received	V (%)
Guage I Guage ceived BS&W Received BS&W roby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why?	V(%)

f 103	0	EW MEXICO NON-HAZARDO	US OILFIELD WASTE N	ANIFEST C	ompany Man Contact Information
30 0	R360			D INFORMATION* N	ame Acou A Bay al
Page	Becording	(i cerior	interesting the define		hone No
2		GENE	RATOR	NO.H	W- 718112
	Generator Manifest # > 10		Location of Origin	Perin Verde	31 31 71
	Generator Name		Name & No.	Prospectionse	
	Address		County	To en M	APPAULA JUNES
	City, State, Zip		API No Rig Name & No		2.9.90
	Phone No.		AFE/PO No		
	Dil Based Muds	/Service Identification and Amount NON-INJECTABLE WATERS	(place volume next to wast	o type in barrels or cubic yar OTHER EXEMPT E&P WAST	
	Oil Based Cuttings	Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Injec			Contrains
	Water Based Cuttings Produced Formation Solids	Produced Water (Non-Injectable)	1	Belly	
	Tank Bottoms E&P Contaminated Soil	Gathering Line Water/Waste (Non-Inje INTERNAL USE ONLY	ictable)	TOP SOIL & CALICHE SALES	
	Gas Plant Waste	Truck Washout (exempt waste)	YES (NO)	QUANTITY	TOP SOIL CALICHE
	WASTE GENERATION PROCESS: DRILLIN	and the second second second second	PRODUCTION		IG LINES
	All non-exampt E&P was	NON-EXEMPT E&P Waste/Se te must be analysed and be below thres	rvice Identification and Amoun hold limits for toxicity (TCLP). It	t Initability, Corrosivity adri React	tivity
	Non-Exempt Other			from Non-Exempt Waste List	
1	DISPOSAL QUANTITY	B - BARRELS	L-LIQUID 2.6	Y - YARDS	E - EACH
1	I hereby certify that the above listed material(s), is (are) not packaged, and is in proper condition for transportation account	hazardous waste as defined by 40 CFR F	Part 261 or any applicable state	law. That each waste has been	properly described, classified and
1	RCRA EXEMPT: Oil field wastes o	enerated from oil and gas exploration ar	nd production operation and an	not mixed with non-exempt w	aste (POSD Accepts certifications on a
	per load basis on	v) hich is non-hazardous that does not exce			
	40 CFR 261.21-26	1.24, or listed hazardous waste as defin ardous is attached. (Check the appropria	ed by 40 CFR, part 261, subpar	D. as amended. The following	documentation demonstrating the
	MSDS Informatio		lazardous Waste Analysis	Dther (F	Provide Description Below)
	EMERGENCY NON-OILFIELD Emergency non-h determination an	azardous, non-oilfield waste that has be d a description of the waste must accom	en ordered by the Department o	of Public Safety (the order, docu	mentation of non-hazardous waste
	(PRINT) AUTHORIZED AGENTE SIGNATURE	TRANSI	the design of the local division of the loca	SHENATURE	
	Transporter's Scon	Tex Mexo	Driver's Name	Cu	the some
1	Address		Print Name		in Flines
	hone No. CL32 209	- 4230	Phone No Truck No	14 604	/6
	hereby certify that the above named material(s) was/were	picked up at the Generator's site listed a			
	11/11/29	MARS SIGNATURE	-11 - 12 / 24		ret_
ſ	TRUCK TIME STAMP	DISPOSAL	the local division of the local division in	RECEIVIN	A DECEMBER OF A
	IN: OUT:			Name/No.	
	ite Name/			1	
	ddress Halfway Facility / NM1-00 6601 Hobbs Hwy US 62 / 180 Mile I	o Aarker 66 Carlsbad, NM 88220	Phone No. 575	-392-6368	
:59:24	NORM READINGS TAKEN? (Circle)	()	If YES, was reading > 50	micro roentgents? (Circle Or	e) YES NO
1:55	PASS THE PAINT FILTER TEST? (Circle)		in the traction of a sec	nnere reangenter tenere er	NY 160 160
025		TANK BC	TTOMS	<hr/>	
2	t Guage	Inches	BS&Wy8BL	S Received	BS&W (%)
0.2	id Guage			coo Water	estan (14)
000	aceived	1	hand a second second	I Received	
_	angeby caribity that the above load material bas been (circle	onot / ACCEPTER 1	DEMIED / It doni	ed, why	Cf.
eive	138 HOLY V CV M		Time	-+	
61					Contraction of the second se
Rec	138 White - R360 D	IIGINAL Yellow-TRANSPORTER CO	PY Pink- GENERATOR SIT	E COPY Gold- RETURN TO	Cherry and the

1 of 103	R360	EW MEXICO NON-HAZARDO		Name / La le Bygg
Se 3.	Environmental Las	(PLEAS	E PRINT) *REQUIRE	D INFORMATION" Phone No
Page		GENE	RATOR	NO.HW-718109
	Generator Manifest #X+0		Location of Origin	Perina verde 31 51 F
	Generator Name		Lease/Well Name & No.	PI-YLI VBC 155 2500
	Address		County	12~ 401: 16A PP24127476
			API No.	30- 025- 42063
	City, State, Zip Phone No.		Rig Name & No AFE/PO No	
1		Service Identification and Amount		a type in barrels or cubic vards)
	Oil Based Muds	NON-INJECTABLE WATERS		OTHER EXEMPT EAP WASTE STREAMS
	Water Based Muds	Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Inje	ctable)	0
	Water Based Cuttings	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-In	And the second s	Belly
	Tank Bottoms E&P Contaminated Soil	INTERNAL USE ONLY		TOP SOIL & CAUCHE SALES
	Gas Plant Waste	Truck Washout (exempt waste)	YES (NO)	QUANTITY TOP SOIL CALICHE
	WASTE GENERATION PROCESS: DRILLIN	G COMPLETION	PRODUCTION	GATHERING LINES
	All non-exempt E&P was	NON-EXEMPT E&P Weate/S in must be analysed and be below three	ervice Identification and Amoun shold limits for toxicity (TCLP). Is	t Initability: Corrosivity ado Baserioity
	Non-Exampt Other			from Non-Exempt Waste List on back
i	DISPOSAL QUANTITY	B - BARRELS	L-UQUID 3	Y - YARDS E - EACH
į,	hereby certify that the above listed material(s), is (are) not	hazardous waste as defined by 40 CFR	and the second se	law. That each waste has been properly described, classified and
1	packaged, and is in proper condition for transportation acco	ding to applicable regulation.		not mixed with non-exempt waste (RDBC Accepts certifications on a
-	per load basis on		no producción operación and an	not moved with non-exempt waste (halov Accepts certifications on a
	RCRA NON-EXEMPT. Oil field waste wi 40 CFR 261.21-26	ich is non-hazardous that does not exc 1.24, or listed hazardous waste as defi	eed the minimum standards for ned by 40 CFR, part 261, subpart	waste hazardous by characteristics established in RCRA regulations, D, as amended. The following documentation demonstrating the
	waste as non-haz	ardous is attached. (Check the appropri	ate items as provided) Hazardous Waste Analysis	
	The second s	Name of Concession, Name of Street, or other Description of St	the second se	Other (Provide Description Below) of Public Safety (the order, documentation of non-hazardous waste
		a description of the waste must accord	npany this form)	A Found Solely Long Group, Goldmanian of Hormatel Golds Waste
	PRINT) AUDIONZED AGENTS SIGNATURE		ATE	SIGNATURE
1	Section 2000 Contraction Contraction	the local division of	PORTER	
1	Transporter's	Cr Marc	Driver's Name	Goden M.
1	Address		Print Name	Adrian trave
	hone No.	09 - 4230	Phone No.	356646
	ransporter Ticket # hereby certify that the above named material(s) was/were	nicked up at the Generator's site listed	Truck No.	
	11/13/24 6	ed	11/13/ 24	- All-
1	CANADA AND AND AND AND AND AND AND AND AN		GELMERY DATE	DIVERSIONAL DE LA
	TRUCK TIME STAMP	DISPUSA	L FACILITY	RECEIVINGAREA
ļ	IN: OUT:	_		Name/No.
	ite Name/ ermit No. Halfway Facility / NM1-00		Phone No. 575	-392-6368
4	COAL 11 - 11 - 110 - 00 / 400 4411 - 4	A Los CO Contract Mills Dogoo	CTIDING TRUE	
4	ddress 6601 Hobbs Hwy US 62 / 180 Mile 1	harker 66 Carlsbad, NM 88220		Section and the section of the section of the
9:24	NORM READINGS TAKEN? (Circle (Ine) YES NO		micro roentgents? (Circle One) YES NO
1:59:24		Ine) YES NO	If YES, was reading > 50	
2025 1:59:24	NORM READINGS TAKEN? (Circle O PASS THE PAINT FILTER TEST? (Circle O	Dine) YES NO VIES NO TANK B		
2/7/2025 1:59:24	NORM READINGS TAKEN? (Circle (PASS THE PAINT FILTER TEST? (Circle (Feet	Ine) YES NO	If YES, was reading > 50	micro roentgents? (Circle One) YES NO
0: 2/7/2025 1:59:24	NORM READINGS TAKEN? (Circle (PASS THE PAINT FILTER TEST? (Circle (st Guage	Dine) YES NO VIES NO TANK B	If YES, was reading > 50	micro roentgents? (Circle One) YES NO
OCD: 2/7/2025 1:59:24	NORM READINGS TAKEN? (Circle (PASS THE PAINT FILTER TEST? (Circle (st Guage ad Guage Received	Dine) YES NO Dine) YES NO TANK B	If YES, was reading > 50 OTTOMS BS&W/BBE Tota	micro roentgents? (Circle One) YES NO S Received BS&W (%) Free Water N Received
by OCD: 2/7/2025 1:59:24	NORM READINGS TAKEN? (Circle O PASS THE PAINT FILTER TEST? (Circle O st Guage of Guage received wordy certify that the above had material this been dycle	Dine) YES NO Dine) YES NO TANK B	If YES, was reading > 50 OTTOMS BS&W/BBE Tota	micro roentgents? (Circle One) YES NO
by OCD: 2/7/2025 1:59:24	NORM READINGS TAKEN? (Circle O PASS THE PAINT FILTER TEST? (Circle O st Guage of Guage received wordy certify that the above had material this been dycle	Dine) YES NO Dine) YES NO TANK B	If YES, was reading > 50 OTTOMS BS&W/BBE Tota	micro roentgents? (Circle One) YES NO S Received BS&W (%) Free Water N Received
eceived by OCD: 2/7/2025 1:59:24	NORM READINGS TAKEN? (Circle (PASS THE PAINT FILTER TEST? (Circle (st Guage ad Guage received hereby certify high the above lead material this been (circle	One) YES NO Ine) YES NO Inches	If YES, was reading > 50 DTTOMS BS&W/BBE Tota DEMED Tota Tota Tota	micro roentgents? (Circle One) YES NO S Received BS&W (%) Received BS&W (%) ed, Wb? EscAuture

R369		RDOUS OILFIELD WASTE	MANIFEST	Company Man Conta	ct Information
Structure Contraction	(PLI	EASE PRINT) *REQUIR	ED INFORMATIO	N* Name 1/44	J Byld
are urbana V				Phone No	
	GE	NERATOR	A	NO.HW- 775	7.1 1
Generator Manifest # X T >>	And Colored Total (1997)	 Location of Origin Lease/Well 	forta Vi	erde 3134 M	- C-11-
Generator Name	~ ~ 3	Name & No.	Proyect	361558509	more sure as
Address	2	County	JAC JEAN	and the second se	555
City, State, Zip		API No. Rig Name & No.	and the second se	1966 1041	
Phone No.		- AFE/PO No			
EXEMPT E&P Waste Oil Based Muds	VService Identification and Am NON-INJECTABLE WATERS	ount (place volume next to wa		r cubic yards) E&P WASTE STREAMS	
Oil Based Cuttings Water Based Muds	Washout Water (Non-Injectable)		UTHEN EXEMPT	tor maste athrama	
Water Based Cuttings	Completion Fluid/Flow Back (Nor Produced Water (Non-Injectable)		B	o da	
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste (No INTERNAL USE ONLY	on Injectable)	TOP SOIL & CALL	CHESALES	_
E&P Contaminated Soil Gas Plant Waste	Truck Waldhout (exempt waste)	YES / NO	QUANTITY		CALICHE
WASTE GENERATION PROCESS: DBILLIN	IG COMPLETIO	N PRODUCTIO	N D	GATHERING LINES	
All non-exempt L&P was	NON-EXEMPT E&P War te must be analysed and be below	ste/Service Identification and Amor threshold limits for toxicity (TCLP)	unt Ionitability, Corrosivit	y ada Reactivity	
Non-Exempt Other	54 90		t from Non-Exempt		
DISPOSAL QUANTITY	B - BARRELS	L-0000 2	J Y-YARDS	E - EACI	(
Thereby certify that the above listed material(s), is (are) not	hazardous waste as defined by 40	CFR Part 261 or any applicable sta	te law. That each was	te has been properly described, c	lassified and
packaged, and is in proper condition for transportation acco	rding to applicable regulation. enerated from oil and gas explorat	tion and production operation and a	ire not mixed with nor	i-exempt waste (R360 Accepts ce	rtifications on a
per load basis on	WI .				
40 CFR 261.21-20	hich is non-hazardous that does no 1.24, or listed hazardous waste as	defined by 40 CFR, part 261, subpl	ir Waste nazaroous by irt D, as amended. The	following documentation demor	HA regulations, strating the
MSDS Informatic	andous is attached. (Check the app n Right Bill	ropriate items as provided) CRA Hazardous Waste Analysis	[Other (Provide Description Bo	low)
EMERGENCY NON-OILFIELD Emergency non-h determination an	azardous, non-oilfield waste that h d a description of the waste must r	as been ordered by the Departmen accompany this form)	t of Public Safety (the	order, documentation of non-hazi	ordous waste
(PRINT) AUTHORIZED AGENTS DIGNATURE		DATE	_	SIGNATURE	
Transporter's	TRAI	VSPORTER		and the second se	
	14 1	and the state of the state is a first of the state of the			
- Contraction -	they ().	Driver's Name	Adr		
Address	Star Marson	Driver's Name Print Name		in 1-will	_
Address	State March	Driver's Name		The Photo	
Address / 2.0	7 LID 50	Driver's Name Print Name Phone No Truck No	29604	in a Huma IS	
Address Phone No. (7 4250	Driver's Name Print Name Phone No Truck No	29604	in a Huma IS	
Address Phone No. (picked up at the Generator's site is Muce Mare	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i	A d - A 5 (a 6 4 neident to the dispose 1 Y	S Information of the second se	
Address Phone No. Transporter Ticket # I hereby certify that the above named material(s) was/wire semulation part of	picked up at the Generator's site is Muce Mare	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i	A d - A 5 (a 6 4 neident to the dispose 1 Y	I facility listed below	
Address Phone No. Transporter Ticket # Thereby certify that the above named material(s) was/were stablest own TRUCK TIME STAMP IN: OUT: Site Name/	picked up at the Generator's site if Marc Mars Mars BERNAUME DISPOS	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i OKUM/W DATE SAL FACILITY	Ad a Reident to the dispose Y	I facility listed below	
Address Phone No. Transporter Ticket # Thereby certify that the above named material(s) was/were stablest own TRUCK TIME STAMP IN: OUT: Site Name/	picked up at the Generator's site is Marce Daw DISPOS	Driver's Name Print Name Phone No. Truck No. Sted above and delivered without i DELIVE //Y OATE	Ad A Ad Goog neident to the dispose	I facility listed below	
Address Phone No. Transporter Ticket # Thereby certify that the above named material(s) was/were stablest own TRUCK TIME STAMP IN: OUT: Site Name/	picked up at the Generator's site is ALL THE Generator's site is ALL THE THE Generator's site is ALL THE THE GENERATOR STATES WITH SERVICE STATES STATES Marker 66 Carlsbad, NM 88220 One) YES (NO	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i OKUM/W DATE SAL FACILITY	A d , A 5 6 6 9 neident to the disposa Y Name/No. 5-392-6368	A CONTRACT OF CONTRACT	N0
Address Phone No. Transporter Ticket # Thereby certify that the above named material(s) was/were stablest own TRUCK TIME STAMP IN: OUT: Site Name/	ALLOSO picked up at the Generator's site II ALLOSO INTERPOSE INTEROSE INTERPOSE INTERPOSE INTERPOSE INTERPOSE INTERPOSE IN	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i DELIVERY DATE SAL FACILITY Phone No. <u>57</u> If YES, was reading > 5	A d , A 5 6 6 9 neident to the disposa Y Name/No. 5-392-6368	A CONTRACT OF CONTRACT	N0
Address Phone No. Transporter Ticket # Thereby certify that the above named material(s) was/wree SHEMLENT DATE OF TRUCK TIME STAMP IN: OUT: Site Name/ Halfway Facility / NM1-00 fdress NORM READINGS TAKEN? (Circle PASS THE PAINT FILTER TEST? (Circle)	Dispose Marker 66 Carisbad, NM 88220 One) YES NO One) YES NO TANK	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i DELIVERY ONE SAL FACILITY Phone No. 57	A d , A 5 6 6 9 neident to the disposa Y Name/No. 5-392-6368	A CONTRACT OF CONTRACT	N0
Address Phone No. Transporter Ticket # Thereby certify that the above named material(s) was/write SHEPMENT DATE OF TRUCK TIME STAMP IN:OF Site Name/ IN:OUT: Site Name/ Halfway Facility / NM1-Of 6601 Hobbs Hwy US 62 / 180 Mile NORM READINGS TAKEN? (Circle PASS THE PAINT FILTER TEST? (Circle Feet	ALLOSO picked up at the Generator's site II ALLOSO INTERPOSE INTEROSE INTERPOSE INTERPOSE INTERPOSE INTERPOSE INTERPOSE IN	Driver's Name Print Name Phone No. Truck No sted above and delivered without i DELIVERY ONTE SAL FACILITY Phone No. <u>57</u> If YES, was reading > 5 BOTTOMS	A C A 5 G C 4 neident to the dispose Y Name/No. 5-392-6368 0 micro roentgents? LS Received	A CONTRACT OF CONTRACT	NO
Address Phone No. Transporter Ticket # Thereby certify that the above named material(s) was/wren SHEPMENT DATE OF TRUCK TIME STAMP IN:OF Site Name/ Halfway Facility / NM1-OF G601 Hobbs Hwy US 62 / 180 Mile NORM READINGS TAKEN? (Circle PASS THE PAINT FILTER TEST? (Circle PASS THE PAINT FILTER TEST? (Circle Teat	Dispose Marker 66 Carisbad, NM 88220 One) YES NO One) YES NO TANK	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i OKUM/W DATE SAL FACILITY Phone No. 57 If YES, was reading > 5 BOTTOMS BS&W/88	A d a A 5 G a 4 neident to the dispose Y Name/No 6-392-6368 0 micro roentgents? LS Received Free Water	Carcle One) YES	NO
Address Phone No. Transporter Ticket # Tensporter Ticket # Tensporter Ticket # Tensporter Ticket # TEUCK TIME stamp IN:	ALLESSO picked up at the Generator's site in ALLESSO WHEN'S BREAKTURE DISPOS DISP	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i OKUM/W DATE SAL FACILITY Phone No. 57 If YES, was reading > 5 BOTTOMS BS&W/88 To	A d a A 5 G a 4 neident to the disposa Y Name/No 6-392-6368 0 micro roentgents? LS Received Free Water tal Beceived	Carcle One) YES	NO
Address Phone No. Transporter Ticket # Tensporter Ticket # Tensporter Ticket # Tensporter Ticket # TRUCK TIME staMP IN:	ALLESSO picked up at the Generator's site in ALLESSO WHEN'S BREAKTURE DISPOS DISP	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i OKUM/W DATE SAL FACILITY Phone No. 57 If YES, was reading > 5 BOTTOMS BS&W/88 To	A d a A 5 G a 4 neident to the dispose Y Name/No 6-392-6368 0 micro roentgents? LS Received Free Water	Carcle One) YES	NO
Address Phone No. Transporter Ticket # Tensporter Ticket # Tensporter Ticket # Tensporter Ticket # TEUCK TIME stamp IN:	ALLESSO picked up at the Generator's site in ALLESSO WHEN'S BREAKTURE DISPOS DISP	Driver's Name Print Name Phone No. Truck No. sted above and delivered without i OKUM/W DATE SAL FACILITY Phone No. 57 If YES, was reading > 5 BOTTOMS BS&W/88 To	A d a A 5 G a 4 neident to the disposa Y Name/No 6-392-6368 0 micro roentgents? LS Received Free Water tal Beceived	Carcle One) YES	NO

S-1-5(-)())		ON-HAZARDOUS OILFIELD WASTE N	
And Andrews Contraction		(PLEASE PRINT)	Name Land Casto Phone No.
page	Disk.	GENERATOR	NO. 668059
Operator No.		Permit/RRC No.	000000
Onerstan Hama	0	Lease/Well	Perix Vecde 31 St 1H
Address		Name & No. County	V0.403/1539509
Audress		API No.	ルバナ ライロフィックちちち
City, State, Zip		Rig Name & No.	CE THEREIDOL
Phone No.		AFE/PO No.	30-025-47013
0	KEMPT E&P Waste/Service Identification	and Amount (place volume next to wa	ste type in barrels or cubic yards)
Oil Based Muds	HON-INICO/ABLEWATERS	CONTRACTOR CONTRACTOR CONTRACTOR	INTECTABLE WATERS
Oil Based Cuttings Water Based Muds	Washout Water (Non-Inject Completion Fluid/Flow back		Washout Water (Injectable) Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injec	table)	Produced Water (Injectable)
Produced Formation Solids Tank Bottoms	Gathering Line Water/Wast		Gathering Line Water/Wate (Injectable) OTHER EXEMPT WASTES trops and generation process of the waster
E&P Contaminated Soil	Truck Washout (exempt wa	iste)	
Gas Plant Waste WASTE GENERATION PROCESS:	ORILLING		PRODUCTION GATHERING LINES
		T E&P Waste/Service Identification and Amou	
All IN Non-Exempt Other	on-exempt 1.6.P waste must be analysed and t	e below the threshold limits for toxicity (TCL)	
QUANTITY	B - BARRI	LS L-UQUID	() (Y-YARDS) E - EACH
I hereby certify that according to the	Resource Conservation and Recovery Act (BC		ncy's July 1988 regulatory determination, the above described waste
	hazardous is attached. (Check the appropriate MSDS Information RCRA Haz	Items as provided) ardous Waste Analysis	nded. The following documentation demonstrating the waste as non- Other (Provide Description Below) Public Safety (the order, documentation of non-hazardous waste
(PRINT) AUTHORIUG AGENTS N	ам	DATE.	SOMATURE
Summer -		TRANSPORTER	
Transporter's Service	Alex	Driver's Name	Cornelia
Address		Print Name	
11 MMS		Phone No.	
Phone No.		Truck No.	02
	f material(s) was/were picked up at the Gener	1614-24	Cal
	DAVER'S SIGNATURE	DELIVENT	
Summer PAR	IC CTABAD P	ICDOCAL FACILITY	and an
TRUCK TIM	IE STAMP D	DISPOSAL FACILITY	RECEIVING AREA Name/No.
TRUCK TIN	OUT:	Boose No.	RECEIVING AREA Name/No.
TRUCK TIN	OUT:	Boose No.	RECEIVING AREA
IN:	OUT: M1-006 5 62/180 Mile Marker 66 Carlsbad, NM 88220	Phone No.	RECEIVING AREA Name/No.
IN:	OUT: IM1-006 5 62/180 Mile Marker 66 Carlsbad, NM 88220 EN7 (Circle One) YES NC	Phone No.	RECEIVING AREA Name/No.
TRUCK TIM IN:	OUT: IM1-006 5 62/180 Mile Marker 66 Carlsbad, NM 88220 IEN7 (Circle One) YES NC	Phone No.	RECEIVING AREA Name/No.
TRUCK TIM IN:	OUT: M1-006 5 62/180 Mile Marker 66 Carlsbad, NM 68220 EN7 (Circle One) YES NC EST? (Circle One) YES NC	Phone No. If YES, was reading NO TANK BOTTOMS	RECEIVING AREA Name/No. 575-393-1079 > 50 micro roentgens? (circle one) VES NO
TRUCK TIM IN: Site Name/ Formit No, <u>Halfway FacSity / N</u> Geographic State PASS THE PAINT FILTER TO Fee Fee	OUT: M1-006 5 62/180 Mile Marker 66 Carlsbad, NM 68220 EN7 (Circle One) YES NC EST? (Circle One) YES NC	Phone No. If YES, was reading NO TANK BOTTOMS	RECEIVING AREA Name/No. 575-393-1079 > 50 micro roentgens? (circle one) VES NO V/BBLS Received B56W (%)
TRUCK TIM IN: Site Name/ Formit No, Halfway FacSity / N Oress 6601 Hobbs Hwy U NORM READINGS TAK PASS THE PAINT FILTER TE Fee Fee Gauge	OUT: M1-006 5 62/180 Mile Marker 66 Carlsbad, NM 68220 EN7 (Circle One) YES NC EST? (Circle One) YES NC	Phone No. If YES, was reading NO TANK BOTTOMS	RECEIVING AREA Name/No. 575-393-1079 > 50 micro roentgens? (circle one) YES NO
TRUCK TIM	OUT:	Phone No. If YES, was reading NO TANK BOTTOMS BS&V	RECEIVING AREA Name/No. 575-393-1079 50 micro roentgens? (circle one) VES NO V/BBLS Received BS&W (%) Free Water
TRUCK TIM IN:	OUT:	Phone No. If YES, was reading NO TANK BOTTOMS BS&V	RECEIVING AREA Name/No. 575-393-1079 50 micro roentgens? (circle one) VES NO V/BBLS Received BS&W (%) Free Water
TRUCK TIM IN:	OUT:	Phone No. If YES, was reading NO TANK BOTTOMS BS&V BS&V TED DENIED If denied, why?	RECEIVING AREA Name/No. 575-393-1079 > 50 micro roentgens? (circle one) V/BBLS Received Free Water Total Received
TRUCK TIM IN:	OUT:	Phone No. If YES, was reading NO TANK BOTTOMS BS&V	RECEIVING AREA Name/No. 575-393-1079 50 micro roentgens? (circle one) VES NO V/BBLS Received BS&W (%) Free Water



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



November 14, 2024

TRACY HILLARD ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PERLA VERDE 31 STATE 001 H

Enclosed are the results of analyses for samples received by the laboratory on 11/13/24 16:32.

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/qa/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.

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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 01 4 (H246933-01)

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	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	160	16.0	11/14/2024	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	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	0						

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*=Accredited Analyte

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

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 02 4 (H246933-02)

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	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	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	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 03 4 (H246933-03)

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	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/14/2024	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	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 04 4 (H246933-04)

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	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	176	16.0	11/14/2024	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	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	114 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 05 4 (H246933-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	192	16.0	11/14/2024	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	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 :	% 49.1-14	8						

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 06 4 (H246933-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 07 4 (H246933-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 08 4 (H246933-08)

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	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 09 4 (H246933-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 10 2 (H246933-10)

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	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	110	48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 11 2 (H246933-11)

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	11/14/2024	ND	2.05	102	2.00	1.91	
Toluene*	<0.050	0.050	11/14/2024	ND	2.11	106	2.00	2.69	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	2.10	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	6.25	104	6.00	2.06	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 12 2 (H246933-12)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	QR-03
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	QR-03
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	QR-03
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 13 2 (H246933-13)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 14 2 (H246933-14)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 15 2 (H246933-15)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 :	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 16 2 (H246933-16)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 17 2 (H246933-17)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 18 2 (H246933-18)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	<i>98.3</i>	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 19 2 (H246933-19)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	105	48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 20 2 (H246933-20)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	209	105	200	0.679	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	195	97.5	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: FS 21 2 (H246933-21)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	236	118	200	0.0696	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	226	113	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: SW 01 0-4 (H246933-22)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	236	118	200	0.0696	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	226	113	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	117 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: SW 02 0-4 (H246933-23)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	236	118	200	0.0696	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	226	113	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	114 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: SW 03 0-4 (H246933-24)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	236	118	200	0.0696	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	226	113	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: SW 04 0-2 (H246933-25)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/14/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2024	ND	236	118	200	0.0696	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	226	113	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	117 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: SW 05 0-2 (H246933-26)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	160	16.0	11/14/2024	ND	416	104	400	0.00	QM-07
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	11/14/2024	ND	212	106	200	3.88	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/13/2024	Sampling Date:	11/13/2024
Reported:	11/14/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.6101, -103.5042		

Sample ID: SW 06 0-2 (H246933-27)

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	11/14/2024	ND	1.87	93.3	2.00	12.5	
Toluene*	<0.050	0.050	11/14/2024	ND	1.83	91.5	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/14/2024	ND	1.97	98.5	2.00	6.33	
Total Xylenes*	<0.150	0.150	11/14/2024	ND	5.95	99.1	6.00	4.41	
Total BTEX	<0.300	0.300	11/14/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	208	16.0	11/14/2024	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	11/14/2024	ND	212	106	200	3.88	
DRO >C10-C28*	<10.0	10.0	11/14/2024	ND	214	107	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	11/14/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	FAX (575) 393-2476	76		SISA IVIN	SIS REQUEST
			BILL TO		
Project Manager: Tracy Hillard		P.O. 8	7		
-9° T	twy	Con	Company: XO Surray	LAC .	
日二	State-## /// Zip: 492-24		Attn: (a) fait (Show)Ph		
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h	103.5042	Pho	Phone #:		
Sampler Name: Jesting Parto	K	F	#: SAMPLING		
YOR URLOADY		MATHON	PRESERV.		
Lab I.D. Sample I.D.	Depth (feet)	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACIDIBASE:	201 1	
1 Fyst	- 1	CI X	N. 11/524	Cabo X X X	
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Page 30 of 32

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aboratories ARDINAL

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: City: Moland (r (Shad udness: 3122 Number Arks Project Name: Parto Virge roject Location: roject #: 0"3C1556509 none #: 575 937 306 HSUNU193 Rolinquished By: NUM THE REF AND ampler Name: AND DATES LEADE NOTE: Labely and Relinquished By Lab I.D. S QU 2 35 y 30 3 2 ŝ (575) 393-2326 FAX (575) 393-2476 51,001 42.6101 44103 Sample I.D. JUND2-Your H. Gra 121 GWOS 4N 06 MADY 103.5042 2 State ORH ちん Fax # 011 0-2 1-0 Project Owner: 0-2 2-0 State: TX/V/ Zip: 89220 Dute: 3 3H F ESD IL Date: Depth (feet) GRAB OR (C)OMP N Received By: Received By: # CONTAINERS C JES GROUNDWATER occuran WASTEWATER MATRIX ş SOIL OIL SLUDGE P.O. # Company: YO Merg OTHER City Fax #: State: NM ZIp: 64220 Address: 31041 Attn: (after brown Phone #: ACID/BASE PRESERV and The Cardonal without XD datase ķ Charloparty ICE / COOL BILL TO OTHER i 11.13.24 15:24 DATE SVINLING +6 unua NAME OF TAXABLE ş 1500 1175 1125 1115 1450 5071 1400 we All Results are emailed. Please provide Email address by the client for the pronoledion of the uppocation Verbal Result: REMARKS: TIME WIGHNA - H What Bernshan um, Thlaminar Bernston com, KThomason Bernstan am 425 X on APPとこことの見 Ъ p 4 X Yes ð 5 é I No ANALYSIS Add'I Phone #: REQUEST Ad

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APPENDIX D

November 14, 2024, Remediation Work Plan

Released to Imaging: 2/12/2025 10:26:58 AM

E N S O L U M

November 14, 2024

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

Re: Remediation Work Plan Perla Verde 31 State 001H Incident Number nAPP2412749555 API 30-025-42063 Lease Number L023780001 Lea 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 the site assessment activities completed to date and propose a work plan to address impacted soil identified at the Perla Verde 31 State 001H (Site). The purpose of the assessment activities was to determine the presence or absence of impacted soil resulting from a crude oil and produced water release at the Site. The following *Work Plan* proposes to remove impacted soil identified within the release extent.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit M, Section 31, Township 19 South, Range 35 East, in Lea County, New Mexico (32.6101°, -103.5042°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (SLO). The Site is associated with the Perla Verde 31 State Com #001H (API: 30-025-42063) oil well on SLO lease number L023780001.

On May 2, 2024, an equipment failure resulted in the release of 3 barrels (bbls) of crude oil and 23 bbls of produced water onto the pad surface. XTO immediately dispatched a vacuum truck and 1 bbl of crude oil and 4 bbls of produced water were recovered. XTO submitted a Notification of Release (NOR) on May 6, 2024 and subsequently an Initial C-141 Application (C-141) on May 7, 2024. The release was assigned Incident Number nAPP2412749555.

On August 16, 2024, XTO submitted the following extension request to the NMOCD that was approved the same day:

XTO is requesting an extension for a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the attached locations/incident numbers listed in this message. We understand that the releases all occurred between February and March of this year and attendant documentation is overdue. Kindly be aware that these occurred during a high turnover period of personnel in our department, transitioning staff, and a large company-wide data migration that collectively disturbed our incident tracking efforts for remediation. In our efforts to correct the

XTO Energy, Inc. Remediation Work Plan Perla Verde 31 State 001H

issue, XTO is proactively assigning each of these incidents to be successfully addressed by contractors for closure in accordance with 19.15.29.12 NMAC.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Depth to groundwater at the Site is less than 100 feet below ground surface (bgs) but greater than 50 feet bgs based on the nearest groundwater well data. On May 3, 1996, a United States Geological Survey (USGS) permitted livestock watering well (USGS 323536103301101) was advanced to a depth of 70 feet bgs. The location of the well is approximately 0.88 miles south of the release and is depicted on Figure 1. The USGS recorded the depth to water at 56.39 feet bgs. The Well Record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an seasonal dry wash, located approximately 5,100 feet north 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 (low potential karst designation area).

Based on the results of the Site Characterization, and the New Mexico Oil Conservation Division (NMOCD) preference for data for depth to groundwater be withing ½ mile and within the last 25 years, 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): 100 mg/kg
- Chloride: 600 mg/kg

CULTURAL PROPERTIES PROTECTION

Since the incident occurred on pad, the Site is exempt from the Cultural Properties Protection (CPP) Rule. As such, no additional cultural resource surveys were completed in connection with this release.

BIOLOGICAL COMPLIANCE AND REPORTING

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and/or sensitive soils.

- The Site is located within an area of possible Lesser Prairie Chickens and Dunes Sage Brush Lizards habitat.
 - From March 1st through June 15th, no remediation activities will occur between the hours of 3:00 am to 9:00 am to protect any Lesser Prairie Chickens within the area.



XTO Energy, Inc. Remediation Work Plan Perla Verde 31 State 001H

- Due to the release occurring on pad surface, no suitable habitat was identified for the Dunes Sage Brush Lizards at the Site. Remediation efforts are not expected to occur outside of the pad boundaries.
- No environmentally sensitive receptors were located near the Site as mentioned in the Site Characterization.
- The soil type is classified as Pyote and Maljamar fine sands according to the Web Soil Survey. Pyote and Maljamar fine sands are considered a sensitive soil by the SLO definition. The release occurred on the pad surface limiting contact with potential sensitive soils and was found to have occurred only on the pad caliche.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On August 29, 2024 Ensolum personnel conducted a Site visit to evaluate the release extent based on information provided on the C-141, internal reports, and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visits and a photographic log is included in Appendix B.

On November 12, 2024, Ensolum returned to the Site to oversee delineation activities. Delineation potholes PH01 and PH02 were advanced via backhoe to assess the vertical extent of the release to a maximum depth of 4 feet bgs. Delineation soil samples were collected from each pothole at depths ranging from 0.5 feet to 4 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. The delineation soil sample locations were mapped utilizing a GPS unit and are depicted on Figure 2. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (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 delineation soil sample for PH01 and PH02, collected at 0.5 feet bgs, indicated chloride concentrations exceeded Closure Criteria. All terminal soil samples of the delineation potholes were in compliance with the Closure Criteria, successfully defining the vertical extent of the 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 soil containing elevated chloride concentrations exist across an approximate 4,205 square foot area and extends to depths ranging from 0.5 feet to 4 feet bgs. XTO proposes to complete the following remediation activities:



XTO Energy, Inc. Remediation Work Plan Perla Verde 31 State 001H

- Excavation of impacted soil to a depth of 2 feet to 4 feet bgs. Excavation will proceed laterally until sidewall samples confirm all COC concentrations are compliant with Closure Criteria.
- An estimated 470 cubic yards of impacted soil will be excavated and disposed of at the R360 facility in Hobbs, New Mexico
- The excavation will be backfilled with locally procured material and recontoured to match preexisting conditions.

XTO will complete the excavation and soil sampling activities within 90 days of the date of approval of this *Work Plan* by the NMOCD.

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

Sincerely, Ensolum, LLC

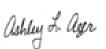
Tracy Hittan

Tracy Hillard Project Engineer

cc: Colton Brown, XTO Kaylan Dirkx, XTO SLO

Appendices:

- Figure 1 Site Location Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Proposed Excavation Extent
- Table 1
 Soil Sample Analytical Results
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Lithologic / Soil Sampling Logs
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation



Ashley Ager, PG, MS Program Director

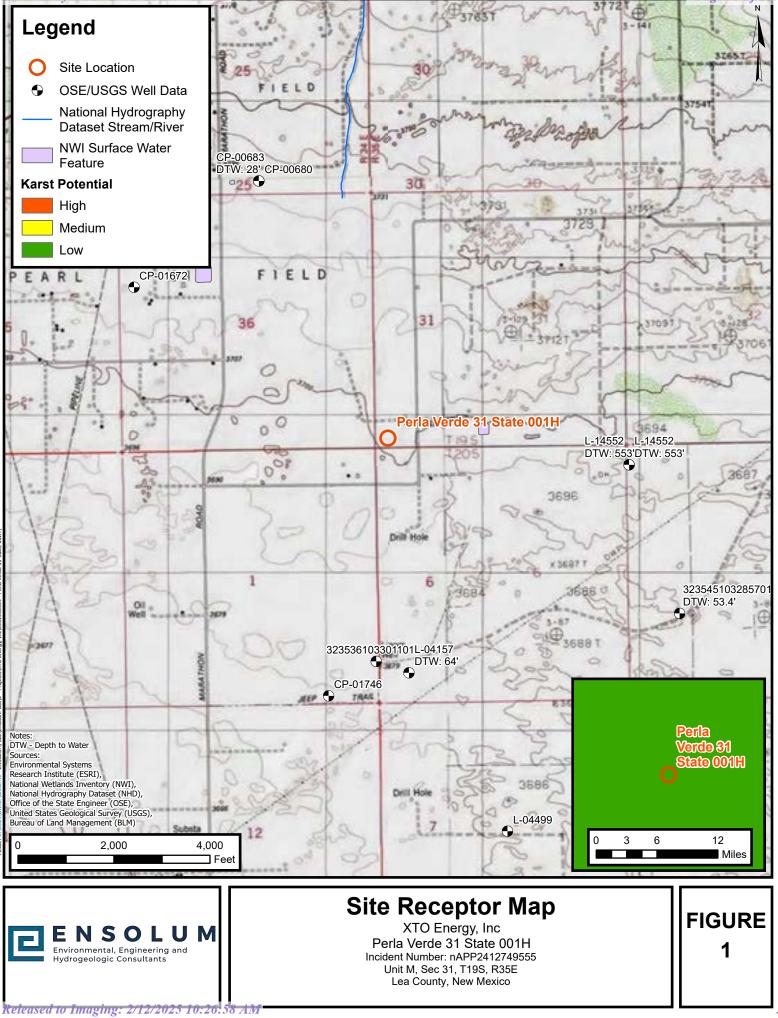




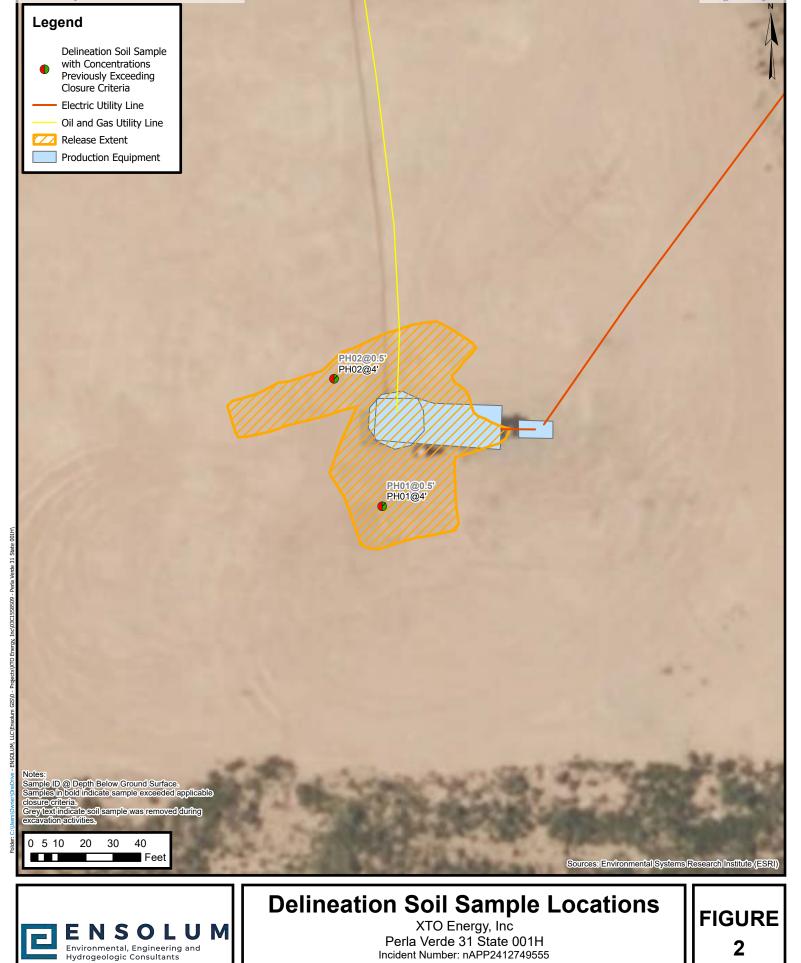
FIGURES

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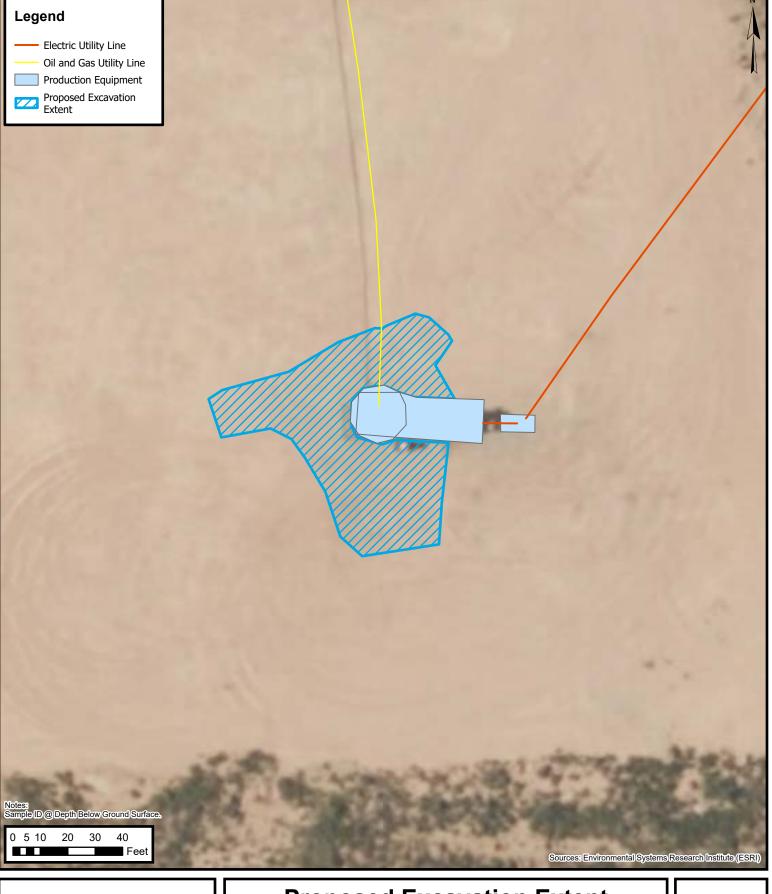
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Unit M, Sec 31, T19S, R35E Lea County, New Mexico

FIGURE

3



Proposed Excavation Extent

XTO Energy, Inc Perla Verde 31 State 001H Incident Number: nAPP2412749555 Unit M, Sec 31, T19S, R35E Lea County, New Mexico

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Environmental, Engineering and Hydrogeologic Consultants



TABLES

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E N S O L U M

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Perla Verde 31 State 001H XTO Energy, Inc Lea County, New Mexico										
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
		I		Delii	neation Soil Sa	nples	I	I	I	I
PH01	11/12/2024	0.5	<0.050	<0.300	<10.0	12.9	<10.0	12.9	12.9	4,400
PH01A	11/12/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
PH02	11/12/2024	0.5	<0.050	<0.300	<10.0	70.7	10.3	70.7	81.0	3,360
PH02A	11/12/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160

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

USGS Home Contact USGS Search USGS



National Water Information System: Web Interface

USGS Water Resources

 Data Category:
 Geographic Area:

 Groundwater
 V

 Go
 GO

Click to hideNews Bulletins

• Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site_no list = • 323536103301101

Minimum number of levels = 1 <u>Save file of selected sites</u> to local disk for future upload

USGS 323536103301101 20S.35E.06.331332

Lea County, New Mexico Latitude 32°35'50", Longitude 103°30'17" NAD27 Land-surface elevation 3,678.00 feet above NGVD29 The depth of the well is 70 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

<u>Table of data</u> <u>Tab-separated data</u>

Graph of data

Reselect period

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measure
1961-03-08		D	62610		3619.30	NGVD29	1	Z		
1961-03-08		D	62611		3620.85	NAVD88	1	Z		
1961-03-08		D	72019	58.70			1	Z		
1971-01-21		D	62610		3620.42	NGVD29	1	Z		
1971-01-21		D	62611		3621.97	NAVD88	1	Z		
1971-01-21		D	72019	57.58			1	Z		
1976-02-19		D	62610		3616.76	NGVD29	1	Z		
1976-02-19		D	62611		3618.31	NAVD88	1	Z		
1976-02-19		D	72019	61.24			1	Z		
1986-04-02		D	62610		3621.09	NGVD29	1	Z		
1986-04-02		D	62611		3622.64	NAVD88	1	Z		
1986-04-02		D	72019	56.91			1	Z		
1991-07-03		D	62610		3623.77	NGVD29	1	Z		
1991-07-03		D	62611		3625.32	NAVD88	1	Z		
1991-07-03		D	72019	54.23			1	Z		

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Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measur(
1996-03-05 1996-03-05		D	62610 62611		3621.61 3623.16	NGVD29 NAVD88	1	S S		
1996-03-05		D	72019	56.39			1	S		

Explanation								
Section	Code	Description						
Water-level date-time accuracy	D	Date is accurate to the Day						
Parameter code	62610	Groundwater level above NGVD 1929, feet						
Parameter code	62611	Groundwater level above NAVD 1988, feet						
Parameter code	72019	Depth to water level, feet below land surface						
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988						
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929						
Status	1	Static						
Method of measurement	S	Steel-tape measurement.						
Method of measurement	Z	Other.						
Measuring agency		Not determined						
Source of measurement		Not determined						
Water-level approval status	А	Approved for publication Processing and review completed.						

Questions or Comments

Help Data Tips Explanation of terms Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

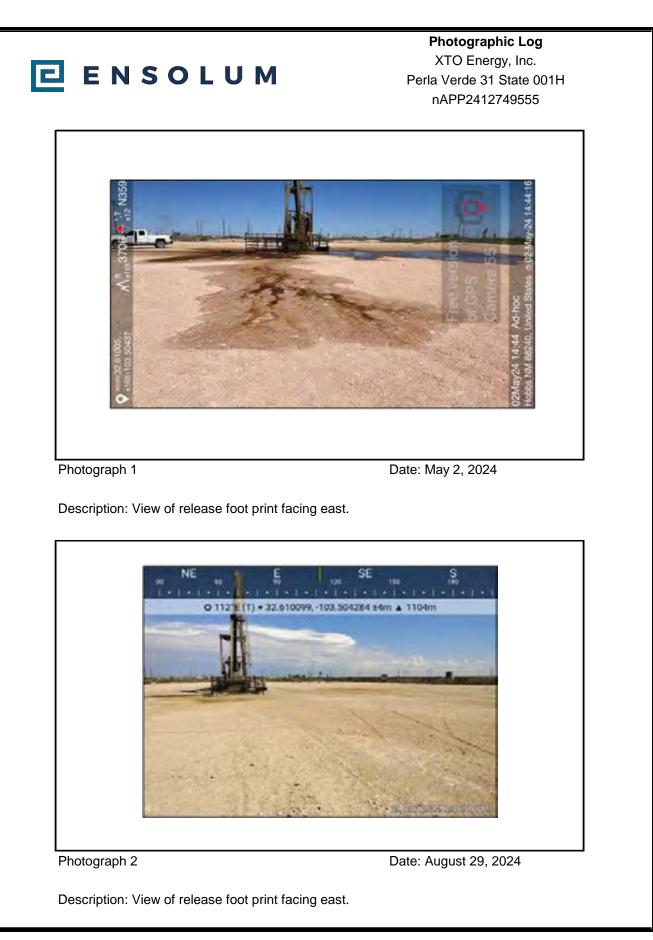
U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2024-08-23 09:52:10 EDT 0.32 0.22 nadww01 USA.gov



APPENDIX B

Photographic Log





APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: PH01	Date: 11/12/2024		
								Site Name: Perla Verde 31 State 0			
E E N S O L U M								Incident Number: NAPP2412749555			
							Job Number: 03C1558509				
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: JB Method: Backhoe					
Coordinates: 32.609952, -103.504099							Hole Diameter: 24"	Total Depth: 4'			
					vith HACH C	nloride Test	Strips and	PID for chloride and vapor, respec			
								ion factor is included.	·····		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol				
					L	ΓO	CCHE	(0-2') CALICHE, beige, fine g	rained, poorly graded		
D	6,356	0.0	Ν	PH01	0.5	-					
D	2,346	0.0	Ν		1	_ 1					
		-			-	-					
					_	-					
D	889	0.1	Ν		2 _	_ 2	SP	(2-4') SAND, gray brown, lit	tle clay, poorly graded		
					-	-					
D	806	0.0	Ν		3	3					
_		0.0			-						
					-	_					
D	425	0.1	Ν	PH01A	4 _	4					
					-	Total De	oth @ 4	feet bgs			
					\searrow						
								\searrow			

									D 1 11/12/2021
	-							Sample Name: PH02	Date: 11/12/2024
		E	N		ΟΙ		M	Site Name: Perla Verde 31 Stat	
-								Incident Number: NAPP241274	19555
	1							Job Number: 03C1558509	Method: Backhoe
LITHOLOGIC / SOIL SAMPLING LOG Coordinates: 32.610081, -103.504153						Logged By: JB Hole Diameter: 24"	Total Depth: 2'		
						loride Test	Strins and	PID for chloride and vapor, res	
								ion factor is included.	peetively. enfonde test
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs) 0	CS/Rock	Lithologic [(0-2') CALICHE, tan, fine g	Descriptions
					4		CUTE	(U-Z) CALICHE, Lan, IINE §	grained, poorly graded
D	5,443	0.1	Ν	PH02	0.5	-			
D	963	0.1	Ν		1	1			
					+	-			
	201	0.0		DUI02 A	_ _	-			
D	201	0.3	Ν	PH02A	2	2			
						Total De	oth @ 2	feet bgs	
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APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



November 13, 2024

TRACY HILLARD ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: PERLA VERDE 31 STATE 001 H

Enclosed are the results of analyses for samples received by the laboratory on 11/12/24 12:11.

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/qa/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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	11/12/2024	Sampling Date:	11/12/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.6101, -103.5042		

Sample ID: PH 01 0.5 (H246883-01)

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	11/12/2024	ND	2.00	100	2.00	4.01	
Toluene*	<0.050	0.050	11/12/2024	ND	1.93	96.6	2.00	3.95	
Ethylbenzene*	<0.050	0.050	11/12/2024	ND	1.94	97.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	11/12/2024	ND	5.76	95.9	6.00	3.33	
Total BTEX	<0.300	0.300	11/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 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	4400	16.0	11/13/2024	ND	416	104	400	12.2	
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	11/12/2024	ND	184	92.2	200	1.78	
DRO >C10-C28*	12.9	10.0	11/12/2024	ND	186	93.1	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	11/12/2024	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/12/2024	Sampling Date:	11/12/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.6101, -103.5042		

Sample ID: PH 01A 4 (H246883-02)

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	11/12/2024	ND	2.00	100	2.00	4.01	
Toluene*	<0.050	0.050	11/12/2024	ND	1.93	96.6	2.00	3.95	
Ethylbenzene*	<0.050	0.050	11/12/2024	ND	1.94	97.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	11/12/2024	ND	5.76	95.9	6.00	3.33	
Total BTEX	<0.300	0.300	11/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 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	288	16.0	11/13/2024	ND	416	104	400	12.2	
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	11/12/2024	ND	184	92.2	200	1.78	
DRO >C10-C28*	<10.0	10.0	11/12/2024	ND	186	93.1	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	11/12/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/12/2024	Sampling Date:	11/12/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.6101, -103.5042		

Sample ID: PH 02 0.5 (H246883-03)

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	11/12/2024	ND	2.00	100	2.00	4.01	
Toluene*	<0.050	0.050	11/12/2024	ND	1.93	96.6	2.00	3.95	
Ethylbenzene*	<0.050	0.050	11/12/2024	ND	1.94	97.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	11/12/2024	ND	5.76	95.9	6.00	3.33	
Total BTEX	<0.300	0.300	11/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	11/13/2024	ND	416	104	400	12.2	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2024	ND	184	92.2	200	1.78	
DRO >C10-C28*	70.7	10.0	11/13/2024	ND	186	93.1	200	9.57	
EXT DRO >C28-C36	10.3	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/12/2024	Sampling Date:	11/12/2024
Reported:	11/13/2024	Sampling Type:	Soil
Project Name:	PERLA VERDE 31 STATE 001 H	Sampling Condition:	Cool & Intact
Project Number:	03C1558509	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.6101, -103.5042		

Sample ID: PH 02A 2 (H246883-04)

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	11/12/2024	ND	2.00	100	2.00	4.01	
Toluene*	<0.050	0.050	11/12/2024	ND	1.93	96.6	2.00	3.95	
Ethylbenzene*	<0.050	0.050	11/12/2024	ND	1.94	97.1	2.00	3.34	
Total Xylenes*	<0.150	0.150	11/12/2024	ND	5.76	95.9	6.00	3.33	
Total BTEX	<0.300	0.300	11/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/13/2024	ND	416	104	400	12.2	
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	11/13/2024	ND	184	92.2	200	1.78	
DRO >C10-C28*	<10.0	10.0	11/13/2024	ND	186	93.1	200	9.57	
EXT DRO >C28-C36	<10.0	10.0	11/13/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

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

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: Relinquished By: Belinquished By: Circle One)	PLEASE NOTE: Listerly and D	Harrison and the second	Sompany Name: Ensorum, LCo Project Manager: Troug () Address: 3 (22 Mariava) City_Midtand_Carl-bad City_Midtand_Carl-bad Project #: 030 (598 G09 Project Name: Parla, Varde Project Name: Parla, Varde Sampler Name: Joshva T	101 Eau (575)
	magen Cardina's Salah and	Sample I.D. PHOI PHOIA PHOI2 PHOI2	Park J	aboratories 101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
Date: Time: Time:	marks and links specify for a	Depth (feet) 0.5 0.5	Les Hay State: THANA ZID: 646. 13.0 6 Fax B: Project Owmer: XTO 1 State 001 H 1 State 001 H 1 State 201 H 1 State 2042	0072107105 st Marland, Hobbs, NM 88240 393-2326 FAX (575) 393-2476
Received By: Received By: Received By: Received By: Cool Integration	y claim a strand window make to	GRAB OR (C)OMP. GROUNDWATER GROUNDWATER WASTEWATER SOL OL	1р:66.120 XTO	
Silon	contrast as fort, that is finited	SLUDGE OTHER :	P.O. 8; Company Attn: (BILL
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Thenissey		KKYX BIEY		ANALYSIS
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ample Condition Observed Temp. "C				ST

Page 93 of 103

Page 7 of 7

From:	Tacoma Morrissey
То:	Wells, Shelly, EMNRD
Subject:	[EXTERNAL] Re: NAPP2412749555 PERLA VERDE 31 STATE 001H
Date:	Wednesday, February 12, 2025 9:57:23 AM
Attachments:	Outlook-ffleitua.png
	Outlook-2pg1z1gu.png
	Outlook-5ntpplcr.png
	Outlook-tmsdespk

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

Hi Shelly,

Apologies for the fuzziness of the photos. This happens occasionally if we have to shrink the pdf in order to send the file to the client and/or upload to the OCD portal website. We do our best to maintain the quality but sometimes the pictures end up a bit blurry. However, all photos are geolocated so that you can be oriented to determine where on the pad or around the equipment you are.

Photo 1 shows the beginning of the excavation, attached here.

Photo 2 shows the excavation facing southeast includes areas of SW05/SW06 and FS12, FS13, FS18-FS21

Photo 3 shows the excavation facing northeast and includes areas of SW01-SW03 and FS01-FS10

Photo 4 shows the backfill

Additional photos attached for your reference.

Please let me know if you have any additional questions.

Thank you,



Tacoma Morrissey Associate Principal 337-257-8307 Ensolum, LLC in f X

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, February 12, 2025 10:41 AM
To: Tacoma Morrissey <tmorrissey@ensolum.com>
Subject: NAPP2412749555 PERLA VERDE 31 STATE 001H

[**EXTERNAL EMAIL**]

Hi Tacoma,

I am reviewing the remediation closure report for the following release and would like to receive the photos via email so I can see them clearly as they are very fuzzy, blurry, small (can not be blown up). I need to be able to see the sidewalls all around the pumpjack. Please tell me what I am I looking at in Photograph 1, as it could have been taken anywhere. I would like to know what area I am looking at (for example FS12 through FS 18) for each excavation photograph. Any and all photos you have of the excavation would be helpful.

Sincerely,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520 <u>Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

Page 96 of 103

QUESTIONS

Action 429663

	QUESTIONS					
	Operator:	OGRID:				
XTO ENERGY, INC		5380				
	6401 Holiday Hill Road	Action Number:				
Midland, TX 79707		429663				
		Action Type:				
		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)				

OLIECTIONS

QUESTIONS

nAPP2412749555
NAPP2412749555 PERLA VERDE 31 STATE 001H @ 30-025-42063
Produced Water Release
Remediation Closure Report Received
[30-025-42063] PERLA VERDE 31 STATE COM #001H
N P R

Location of Release Source

Please	answer	all the	questions in	n this	group.

Site Name	PERLA VERDE 31 STATE 001H
Date Release Discovered	05/02/2024
Surface Owner	State

Incident Details

Please answer all the questions in this group.						
Incident Type	Produced Water Release					
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 fo	r the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Equipment Failure Well Crude Oil Released: 3 BBL Recovered: 1 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 23 BBL Recovered: 4 BBL Lost: 19 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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 429663

Page 97 of 103

QUESTIONS (continued)	
Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	429663
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative or actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 02/07/2025	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	429663
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	Νο
What is the minimum distance, between the closest lateral extents of the release an	id the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (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	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	4400	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	81	
GRO+DRO (EPA SW-846 Method 8015M)	71	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	08/29/2024	
On what date will (or did) the final sampling or liner inspection occur	11/13/2024	
On what date will (or was) the remediation complete(d)	11/13/2024	
What is the estimated surface area (in square feet) that will be reclaimed	3827	
What is the estimated volume (in cubic yards) that will be reclaimed	430	
What is the estimated surface area (in square feet) that will be remediated	3827	
What is the estimated volume (in cubic yards) that will be remediated	430	
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.

Action 429663

Page 98 of 103

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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 429663

QUESTIONS (continued)	
Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	429663
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the	
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	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: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com

Date: 02/07/2025
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.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 5

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QUESTIONS (continued)	
Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	429663
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

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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 (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	429663
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	400219
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/15/2024
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	4500

Remediation Closure Request

Released to Imaging: 2/12/2025 10:26:58 AM

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	3827
What was the total volume (cubic yards) remediated	430
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	3827
What was the total volume (in cubic yards) reclaimed	430
Summarize any additional remediation activities not included by answers (above)	Excavation activities were conducted at the Site in accordance with the approved Work Plan to address the May 2024 release of produced water and crude oil. Laboratory analytical results for all final excavation soil samples indicated all contaminants of concern 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 was recontoured to match pre-existing site conditions.
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of

	Name: Robert Woodall	
I hereby agree and sign off to the above statement	Title: Environmental Analyst	
Thereby agree and sign on to the above statement	Email: robert.d.woodall@exxonmobil.com	
	Date: 02/07/2025	

QUESTIONS, Page 6

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Received	by	OCD:	2/7/2025	1:59:24 PM

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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

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Action 429663

 QUESTIONS (continued)

 Operator:
 XTO ENERGY, INC

 6401 Holiday Hill Road
 5380

 Midland, TX 79707
 Action Number:

 429663
 Action Type:

 [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

E

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

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

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	429663
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By		Condition Date
scwells	None	2/12/2025

Action 429663