E NSOLUM

June 20, 2024

New Mexico Energy Mineral and Natural Resources Department New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Report Request Addendum RDX 17 Federal Com #020H Incident Numbers NAB1422341439 & NAB1706053151 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of WPX Energy Permian, LLC (WPX), has prepared this *Closure Report Request Addendum* (CRRA) to document assessment, excavation, and soil sampling activities at the RDX Federal Com #020H (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following releases of fluids onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, WPX is submitting this *CRRA*, describing additional Site assessment and confirmation sampling activities that have occurred and requesting closure for Incident Numbers NAB1422341439 & NAB1706053151.

On November 30, 2023, Ensolum submitted a Closure Report Request (CRR) to the New Mexico Oil Conservation Division (NMOCD); however, the CRR was denied for the following reasons:

SS02 not fully delineated. All areas not reasonably needed for production or subsequent drilling operations must be 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.

This CRRA addresses NMOCD's concerns regarding the delineation sample SS02 required to vertically define the release extent on-pad. This Site is still an active well pad and therefore excavation of the waste-containing soil will be completed during reclamation of the Site.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in in Unit A, Section 17, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.0489464°, -103.8974533°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On July 28, 2014, an isolation valve (check valve) on the backup blender was thought to have been leaking. This equipment failure allowed frac fluid to backflow from the active blender to the backup blender and overflow into the secondary containment and beyond. Approximately 700 barrels (bbls) was released and 200 barrels (bbls) of frac fluid was recovered from the secondary containment and an additional 500 bbls was recovered from the well pad itself at the conclusion of pumping operations and

E ENSOLUM

demobilization of frac equipment. RKI Exploration & Production, LLC (RKI), the previous owner, reported the release to the NMOCD and filed a Corrective Action Form C-141 (Form C-141) on August 05, 2014. Subsequently, NMOCD assigned Incident Number NAB1422341439 to the release.

On February 10, 2017, a hose on a discharge pump developed a hole due to constant vibration. This failure resulted in the release of approximately 400 bbls of produced water onto the caliche pad; 100 bbls was recovered with a vacuum truck. Some of the spilled fluids migrated to an area off-pad and impacted an area roughly 100 feet by 100 feet in size; the off-pad spill area is located on the north side of the caliche pad. The Incident Number associated with this release is NAB1706053151.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of Form C-141 (see Appendix A), Site Assessment/Characterization. Potential Site receptors are identified in Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-4068-POD1, with a depth to water measurement of greater than 125 feet below ground surface (bgs). The well is located 0.24 miles southeast of the Site and the most recent documented water level measurement was collected on May 12, 2017, indicating groundwater was not present in the boring and that groundwater is present at depths greater than 125 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 797 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 (medium potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES

Beginning August 22, 2022, through August 23, 2022, Ensolum personnel arrived onsite to assess the vertical extent of waste-containing soil in both subject matter releases. A pothole (PH01) was advanced via mechanical equipment in the vicinity of surface sample SS02 which was collected on September 24, 2018, and associated with Incident Number NAB1422341439. Pothole (Ph01) was advanced to a depth of 1- foot bgs; soil samples were collected at 0.5 feet and 1-foot bgs and submitted for laboratory

E ENSOLUM

analysis. Eleven potholes (PH01 through PH11) were advanced via backhoe in the release area associated with Incident Number NAB1706053151 to a terminal depth of 1-foot bgs in potholes (PH01 through PH09 and PH11); Pothole PH10 was collected at a terminal depth of 2 feet bgs. The preliminary soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach[®] chloride QuanTab[®] test strips, respectively. Field screening results and observations from the borehole were logged on a lithologic/soil sampling log, which is included in Appendix C. The release extent and preliminary soil sample location were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix D.

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 Eurofins, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil sample SS02 collected on September 24, 2018, indicated concentrations of chloride exceeded the strictest Site Closure Criteria at a depth of 1-foot bgs indicating further vertical delineation would be required. Laboratory analytical results from pothole (PH01) indicated COC concentations, associated with Incident Number NAB1422341439, were all in compliance with the strictest Closure Criteria per NMOCD Table I at ground surface and 1-foot bgs. Laboratory analytical results for soil samples collected from potholes associated with Incident Number NAB1706053151 (PH01 through PH11) indicated all COCs were in compliance with the Site Closure Criteria and successfully defined the lateral and vertical extents of the release.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

Beginning on March 12, 2024, through March 13, 2024, Ensolum personnel returned to the Site to complete additional delineation sampling activities in sample location SS02, which is associated with Incident Number NAB1422341439. Sample location SS02 was advanced via backhoe to a terminal depth of 10 feet bgs in order to assess the vertical extent of the spill area in accordance with the strictest Closure Criteria per NMOCD Table I. Discrete delineation soil samples were collected from the pothole (SS02) at depths ranging from 3 feet to 10 feet bgs.

In addition to the delineation sampling activities, Ensolum personnel were onsite to oversee the excavation of confirmation sample areas FS01 and FS02, associated with Incident Number NAB1706053151. It was determined that sample areas FS01 and FS02 were located off-pad and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the confirmation sample areas. Confirmation sample areas FS01 and FS02 were advanced via backhoe to a depth of 4 feet bgs. Approximately 30 cubic yards of soil from removed from the excavation area and transported to R360 in Hobbs, New Mexico for disposal. The excavation area will be backfilled and recontoured to match preexisting conditions and reseeded with the appropriate BLM seed mixture.

Ensolum personnel collected two, 5-point composite soil samples representing up to 200 square feet from the floor of the excavation (FS01@4' and FS02@4'). 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. The excavation extent and excavation soil sample locations are presented on Figure 4.

E ENSOLUM

The soil samples collected from pothole SS02 and confirmation floor samples FS01@4' and FS02@4' were field screened for TPH utilizing a PetroFLAG[®] Hydrocarbon Test Kit and chloride with Hach[®] chloride QuanTab[®] test strips. Field screening results and observations from the borehole were logged on a lithologic/soil sampling log, which is 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 Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following COCs: BTEX; TPH- GRO, TPH-DRO, and TPH-ORO; and chloride following Standard Method SM4500.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for vertical delineation soil samples collected from sample location SS02 were in compliance with the strictest Closure Criteria at 10 feet bgs and were all in compliance with the Site Closure Criteria from ground surface to 10 feet bgs. Laboratory analytical results for excavation floor samples FS01@4' and FS02@4' were both in compliance with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results are summarized in Tables 1 and 2 and laboratory analytical reports are included in Appendix E.

CLOSURE REQUEST

On behalf of WPX, Ensolum herby requests closure for the releases associated with Incident Numbers NAB1422341439 and NAB1706053151 based on the findings and conclusions listed below:

- Depth to water has been reasonably determined for the Site based on depth to groundwater data from NMOSE well C-4068 POD1, which is located 0.24 miles from the Site and indicates groundwater is greater than 125 feet bgs.
- Vertical delineation sampling in the vicinity of soil sample SS02 (Incident Number NAB1422341439) was achieved at a depth of 10 feet bgs. The release area is still on an active oil and gas well pad and COC concentrations are all below the Site Closure Criteria for samples SS01 through SS04 and for pothole PH01.
- The off-pad spill area associated with Incident Number NAB1706053151 was excavated in accordance with the reclamation requirement and all confirmation soil samples met the requirements set forth in 19.15.29.13 NMAC.

Based on the remedial actions taken at the Site, WPX believes they have been protective of human health, the environment, and groundwater.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely, **Ensolum, LLC**

Ashley Giovengo Senior Scientist

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

E ENSOLUM

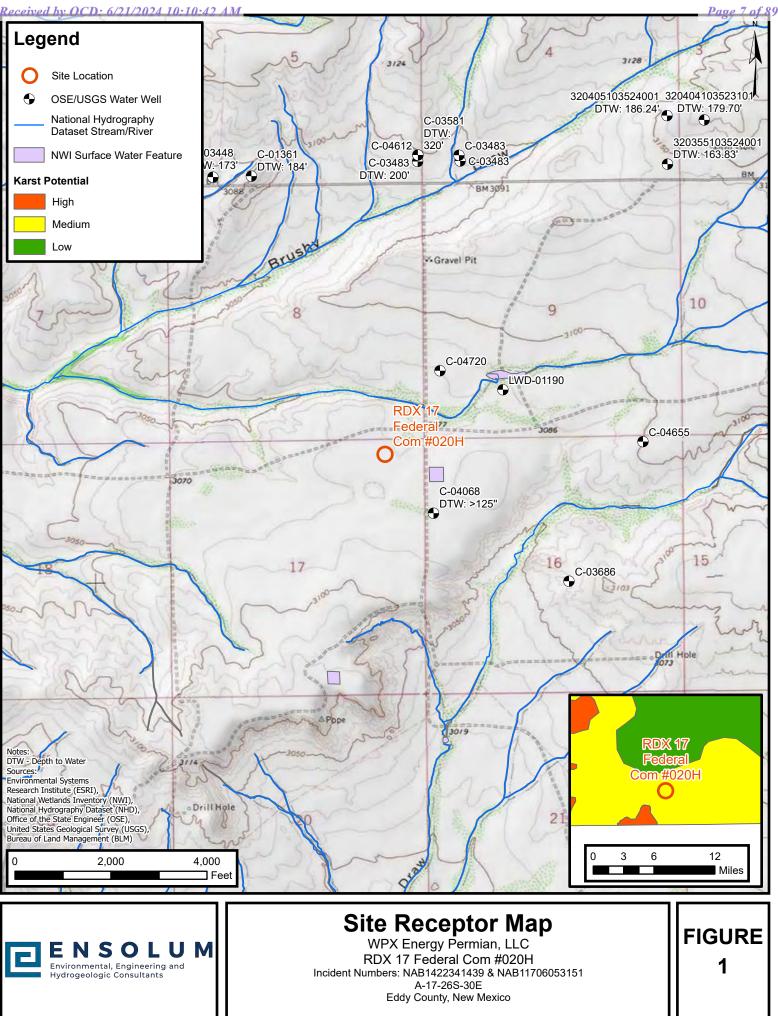
cc: Jim Raley, WPX Energy Permian, LLC Bureau of Land Management

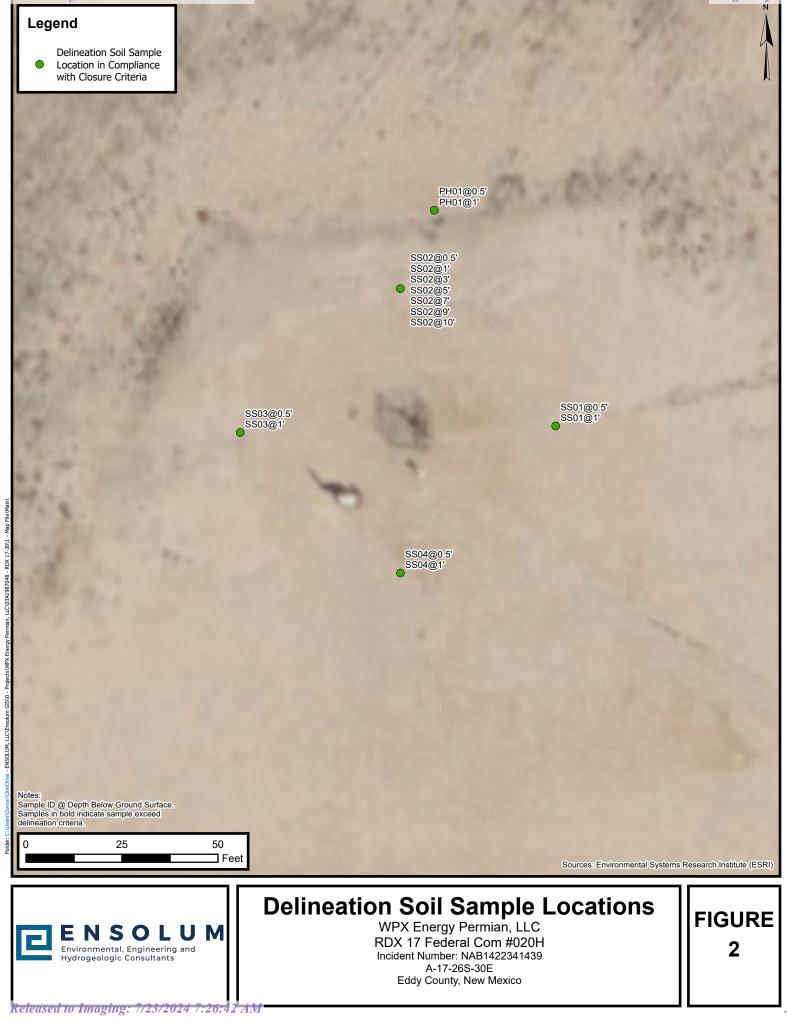
Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations (NAB1422341439)
- Figure 3 Delineation Soil Sample Locations (NAB1706053151)
- Figure 4 Confirmation Soil Sample Locations (NAB1706053151)
- Table 1Soil Sample Analytical Results (NAB1422341439)
- Table 2Soil Sample Analytical Results (NAB1706053151)
- Appendix A Form C-141
- Appendix B Referenced Well Records
- Appendix C Lithologic / Soil Sampling Logs
- Appendix D Photographic Log
- Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix F NMOCD Notifications



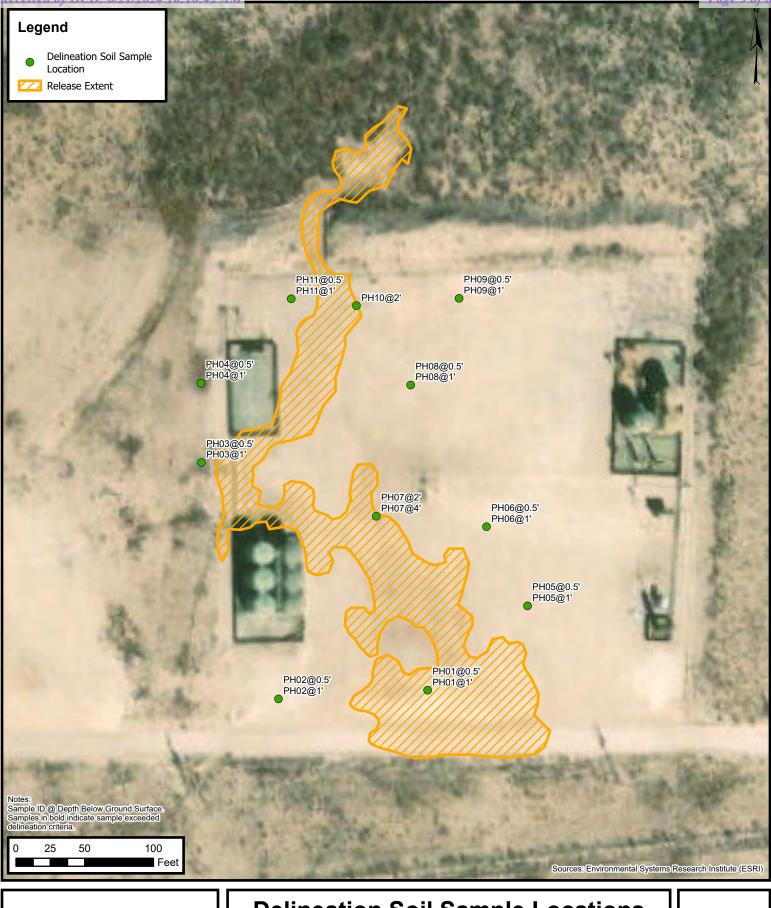
FIGURES





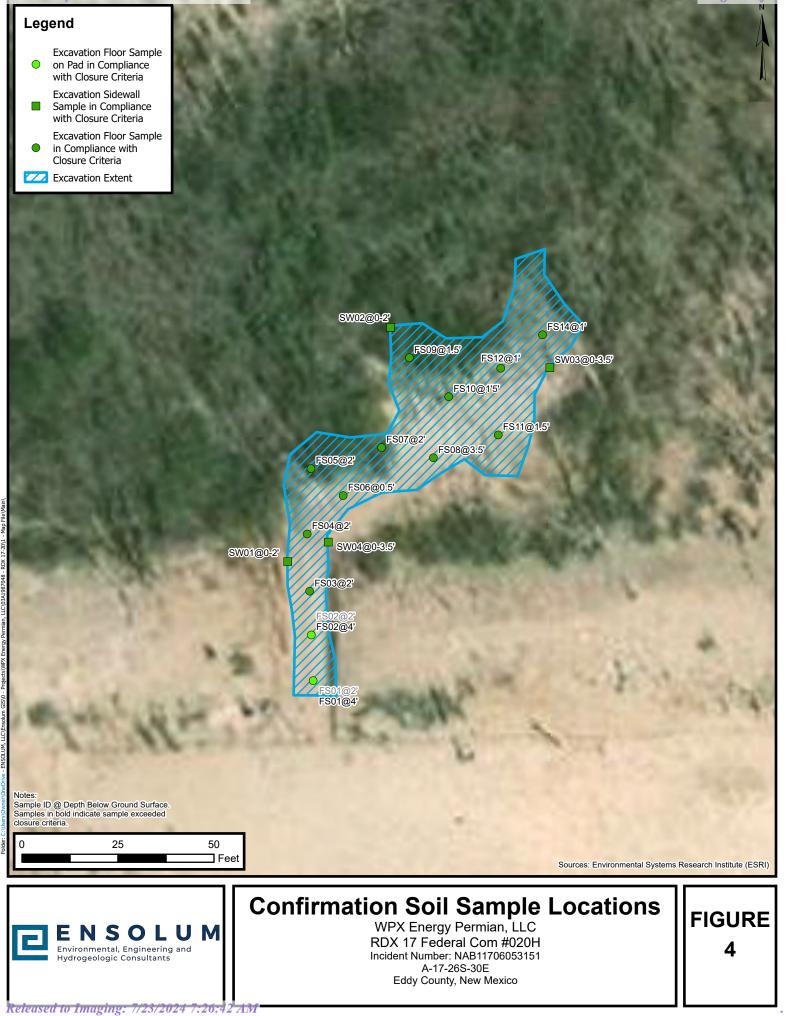
FIGURE

3



Delineation Soil Sample Locations WPX Energy Permian, LLC

RDX 17 Federal Com #020H Incident Number: NAB11706053151 A-17-26S-30E Eddy County, New Mexico





TABLES

E N S O L U M

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS WXP Energy Permian, LLC RDX 17 Federal Com #020H Incident Number: NAB1422341439 Eddy County, New Mexico Ensolum Project No. 03A1987048									
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
	Delineation Soil Sample Analytical Results									
SS01	09/24/2018	0.5	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	181
SS01	09/24/2018	1	<0.00202	<0.00202	<15.0	<15.0	<15.0	<15.0	<15.0	68.4
SS02	09/24/2018	0.5	<0.00201	<0.00201	<14.9	<14.9	<14.9	<14.9	<14.9	459
SS02	09/24/2018	1	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	1,140
SS02	03/12/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	2,350
SS02	03/12/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,460
SS02	03/12/2024	7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	616
SS02	03/12/2024	9	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	644
SS02	03/12/2024	10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	385
SS03	09/24/2018	0.5	<0.00198	<0.00198	<15.0	<15.0	<15.0	<15.0	<15.0	70.1
SS03	09/24/2018	1	<0.00202	<0.00202	<14.9	<14.9	<14.9	<14.9	<14.9	119
SS04	09/24/2018	0.5	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	119
SS04	09/24/2018	1	<0.00202	<0.00202	<15.0	<15.0	<15.0	<15.0	<15.0	84.4
PH01	08/22/2022	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	97.1
PH01	08/22/2022	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	72.5

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

E N S O L U M

	TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS WXP Energy Permian, LLC RDX 17 Federal Com #020H Incident Number: NAB1706053151 Eddy County, New Mexico Ensolum Project No. 03A1987048									
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delin	eation Soil Sample A	nalytical Results	•	1		
PH01	08/22/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	29.5
PH01	08/22/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	69.1
PH02	08/22/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	12.5
PH02	08/22/2022	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	16.4
PH03	08/22/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	42.4
PH03	08/22/2022	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	113
PH04	08/22/2022	0.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	22.3
PH04	08/22/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	29.0
PH05	08/22/2022	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	97.1
PH05	08/22/2022	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	72.5
PH06	08/22/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	204
PH06	08/22/2022	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	101
PH07	08/22/2022	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	3,200
PH07	08/22/2022	4	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	657
PH08	08/22/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	48.9
PH08	08/22/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	67.7
PH09	08/23/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	121
PH09	08/23/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	74.8
PH10	08/23/2022	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	130
PH11	08/22/2022	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	31.9
PH11	08/22/2022	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	80.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

.

E N S O L U M

	TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS WXP Energy Permian, LLC RDX 17 Federal Com #020H Incident Number: NAB1706053151 Eddy County, New Mexico Ensolum Project No. 03A1987048									
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Excav	ation Soil Sample A	nalytical Results		L	1	
FS01	09/27/2022	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	3,060
FS01	3/13/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,070
FS02	09/27/2022	2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	3,450
FS02	3/13/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,460
FS03	09/27/2022	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	370
FS04	09/27/2022	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	31.4
FS05	09/27/2022	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	25.7
FS06	09/27/2022	0.5	<0.00201	<0.00402	<50.0	55.1	<50.0	<50.0	55.1	62.2
FS07	09/27/2022	2	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	29.2
FS08	09/27/2022	3.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	24.5
FS09	09/27/2022	1.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	27.0
FS10	09/27/2022	1.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	25.6
FS11	09/27/2022	1.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	30.9
FS12	09/27/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	28.6
FS13	09/27/2022	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	25.2
FS14	09/27/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	21.6
SW01	09/27/2022	0 - 2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	24.5
SW02	09/27/2022	0 - 2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	34.2
SW03	09/27/2022	0 - 3.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	39.7
SW04	09/27/2022	0 - 3.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	237

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Grey text represents samples that have been excavated

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

.



APPENDIX A

Form C-141

eived by O											forme a general			Page 1
<u>istrict 1</u> 625 N. French 1 <u>istrict 11</u> 11 S. First St., .					Ene			lew Mex nd Natura	l Resources	AUG	EIVE 05 2014		Revised	Form C-141 August 8, 2011
<u>istrict III</u> 000 Rio Brazos			10			Oil Co	onserv	ation Div	vision N		bmit 1 Cop	y to appro	priate Dis	strict Office in 15.29 NMAC.
vistrict IV 220 S. St. Fran								St. Franc	10 1/1.		MAIE	SIA	o with 19.	19.29 1000 100
220 S. St. Flair								, NM 875						
	0		~~	Rel	ease N	otifica			orrective	Actio				
Mame of Co	-234	<u>г</u> ккі е	<u>91</u>		011	.101	<u> </u>	OPERA	FOR ack Laird – S			ial Repo	rt 🗌	Final Repo
Address: 21				KC, OI	× 73102	48-			No.: 405-987			.696		
Facility Nar							F	facility Typ	e: Oil Well	Pad				
Surface Ow	ner: Federa	al			M	ineral Ov	vner: F	ederal			API N	o.: 30-01	5-41381	
						LOCA	TION	OF REI	LEASE					
Unit Letter	Section 17	Townsh 26S		Range 30E	Feet fro			South Line Sorth	Feet from th	e East	West Line East	County	y Edd	tv .
Α	17	205		30E	55		r		/30		1.431			ly .
				Latit	ude 32°	02′56.2	25″ N	Longitud	le 103°53'	50.70″	w			
						NATI	URE	OF REL	EASE					
Type of Rele						ems)		Volume of	Release: 700				ed: 698 B	
Source of Re	elease; Frac	: Vendor	Back	-up Ble	nder Tub				lour of Occur - 1800hrs (est			l Hour of I 0800h	Discover: rs	y:
Was Immedia	ate Notice C	diven?			No []	l Not Doc		If YES, To N/A	Whom?					
				res 🛛		I NOT KEC	luirea		lour					
Jy Whom?		By Whom? Was a Watercourse Reached?					l liste and k		If YES, Volume Impacting the Watercourse.					
	course Reac	hed?								ng the Wa	tercourse.			
By Whom? Was a Watero If a Watercou N/A				Yes [2 De Fully						ng the Wa	itercourse,			
Was a Waterou If a Watercou N/A Describe Cau Back-up blea back-up and investigating	use of Proble nder isolati l overflow. g to determ	pacted, D em and R on valve The bac	escrib emedi (check k-up b	e Fully ial Actio k valve blender	* on Taken.) is thoug was isola	ht to have ited and r	remove	If YES, Vo N/A leaking which		ic fluid to	backflow Weatherfd	ord Inter	national,	is currently
Was a Watero If a Watercou N/A Describe Cau Back-up blee back-up and investigating adequately r Describe Are Approximat	use of Proble nder isolati l overflow. g to determ repaired. ea Affected a ely 200 Bbl	pacted, D em and R on valve The bac ine speci and Clean s of relea	escrib emedi (check k-up t fic cau nup Ac ased fr	e Fully al Action k valve blender usation ction Ta rac flui	* on Taken.) is thoug was isola and corr ikcn.* d was rec	ht to have ited and r ective act	removed ion(s). om seco	If YES, Vo N/A leaking whit d from serv The blende	olume Impacti ch allowed fr ice. The Fra	ic fluid to Vendor, blaced ba e pumpir	backflow Weatherfo ck into serving and an a	ord Inter vice on an dditiona	national, n RKI jol	is currently o until
Was a Water If a Watercou N/A Describe Cau Back-up ble back-up and investigating adequately r Describe Are Approximat recovered fr I hereby certi regulations a public health should their c	urse was Imp ose of Proble nder isolati loverflow. g to determ repaired. a Affected a ely 200 Bbl om the wel fy that the i ll operators or the enviro operations h nment. In a	pacted, D em and R on valve The bac ine speci and Clean s of relean s of relean l pad itso nformatic are requi conment. ave failed ddition, 1	eemedia (cheel k-up k fic cau nup Ac ased fr elf at th on give red to The a d to ad	e Fully ial Activ k valve blender usation ction Ta rac flui the con- en abov report a acceptar lequatel CD acce	* on Taken.) is thoug was isola and corr ken.* d was rec clusion of re is true a and/or file ace of a C- y investig	ht to have ted and r ective active overed fr pumping nd comple certain re 141 repor ate and rc	remover ion(s). om seco g operat ete to the lease nor t by the mediate	If YES, Vo N/A leaking which d from serv The blende ondary cont ions and de bet of my otifications a NMOCD m c contaminat	ch allowed fr ice. The Fra r will not be ainment whi	e pumpir of fraced ba e pumpir of fraced nd unders rrective a al Report	backflow Weatherfock into serving ag and an a juipment. tand that puctions for re- does not re- ground wal	dditional dditional rsuant to eleases wi elieve the rer, surfac	national, n RKI jol l nearly 5 NMOCD hich may operator e water, h	is currently o until 00 Bbls was rules and endanger of liability uman health
Was a Water If a Watercou N/A Describe Cau Back-up ble back-up ble back-up and investigating adequately r Describe Are Approximat recovered fr I hereby certi regulations al public health should their cor or the environ	urse was Imp ose of Proble nder isolati loverflow. g to determ repaired. a Affected a ely 200 Bbl om the wel fy that the i ll operators or the enviro operations h nment. In a	pacted, D em and R on valve The bac ine speci and Clean s of relean s of relean l pad itso nformatic are requi conment. ave failed ddition, 1	eemedia (cheel k-up k fic cau nup Ac ased fr elf at th on give red to The a d to ad	e Fully ial Activ k valve blender usation ction Ta rac flui the con- en abov report a acceptar lequatel CD acce	* on Taken.) is thoug was isola and corr ken.* d was rec clusion of re is true a and/or file ace of a C- y investig	ht to have ted and r ective active overed fr pumping nd comple certain re 141 repor ate and rc	remover ion(s). om seco g operat ete to the lease nor t by the mediate	If YES, Vo N/A leaking which d from serv The blende ondary cont ions and de bet of my otifications a NMOCD m c contaminat	ch allowed fr ch allowed fr ice. The Frac r will not be mobilization whowledge a ind perform co narked as "Fin ion that pose a we the operato	e pumpir of frac ec nd unders rrective a al Report threat to of respon	backflow Weatherfock into serving ag and an a juipment. tand that puctions for re- does not re- ground wal	dditional dditional rsuant to eleases wi elieve the er, surfac complian	national, n RKI jol l nearly 5 NMOCD hich may operator e water, h ice with an	is currently o until 00 Bbls was rules and endanger of liability uman health
Was a Water If a Watercou N/A Describe Cau Back-up ble back-up ble back-up and investigating adequately r Describe Are Approximat recovered fr I hereby certi regulations al public health should their cor or the environ	urse was Imp ose of Proble nder isolati loverflow. g to determ repaired. a Affected a ely 200 Bbl om the wel fy that the i ll operators or the enviro operations h nment. In a	pacted, D em and R on valve The bac ine speci and Clean s of relean s of relean l pad itso nformatic are requi conment. ave failed ddition, 1	eemedia (cheel k-up k fic cau nup Ac ased fr elf at th on give red to The a d to ad	e Fully ial Activ k valve blender usation ction Ta rac flui the con- en abov report a acceptar lequatel CD acce	* on Taken.) is thoug was isola and corr ken.* d was rec clusion of re is true a and/or file ace of a C- y investig	ht to have ted and r ective active overed fr pumping nd comple certain re 141 repor ate and rc	om seco g operations of the second se	If YES, Vo N/A leaking which d from serv The blende ondary cont ions and de best of my otifications a NMOCD m contaminat bes not reliev	ch allowed fr ice. The Frac r will not be mobilization whowledge a ind perform co narked as "Fin ion that pose we the operato OIL CO Signed	e pumpir of fraced ba e pumpir of fraced nd unders rrective a al Report threat to of respon ONSER By M	backflow Weatherfe ck into serving and an a puipment. tand that puc- tions for re- does not re- ground wat isibility for VATION	dditional dditional rsuant to eleases wi elieve the er, surfac complian	national, n RKI jol l nearly 5 NMOCD hich may operator e water, h ice with an	is currently o until 00 Bbls was rules and endanger of liability uman health
Was a Water If a Watercou N/A Describe Cau Back-up ble back-up ble back-up and investigating adequately r Describe Are Approximat recovered fr hereby certi- regulations al public health should their cor federal, state, Signature:	Irse was Impose of Problem nder isolati loverflow. g to determ repaired. a Affected a ely 200 Bbl om the wel fly that the i ll operators or the envir operations h mment. In a or local law	em and R on valve The bac ine speci and Clean s of releas l pad itse nformati are requi ronment. ave failed ddition, I ws and/or	eemedia (cheel k-up k fic cau nup Ac ased fr elf at th on give red to The a d to ad	e Fully ial Activ k valve blender usation ction Ta rac flui the con- en abov report a acceptar lequatel CD acce	* on Taken.) is thoug was isola and corr ken.* d was rec clusion of re is true a and/or file ace of a C- y investig	ht to have ted and r ective active overed fr pumping nd comple certain re 141 repor ate and rc	om seco g operations of the second cete to the lease not the second of the second of the second cet by the mediate	If YES, Vo N/A leaking which d from serv The blende ondary cont ions and de best of my otifications a NMOCD m contaminat bes not reliev	ch allowed fr ice. The Frac r will not be mobilization v knowledge a ind perform co inarked as "Fin ion that pose a ve the operato	e pumpir of fraced ba e pumpir of fraced nd unders rrective a al Report threat to of respon ONSER By M	backflow Weatherfe ck into serving and an a puipment. tand that puc- tions for re- does not re- ground wat isibility for VATION	dditional dditional rsuant to eleases wi elieve the er, surfac complian	national, n RKI jol l nearly 5 NMOCD hich may operator e water, h ice with an	is currently o until 00 Bbls was rules and endanger of liability uman health
Was a Water If a Watercou N/A Describe Cau Back-up ble back-up ble back-up and investigating adequately r Describe Are Approximat recovered fr I hereby certific regulations al public health should their correction federal, state, Signature: Perioted Name	Irse was Impose of Problem Inder isolati I overflow. I overflow. I overflow. I odeterm repaired. I operators or the environ or the environ operations homent. In a or local law	em and R on valve The bac ine speci and Clean s of releas l pad itse nformati are requi ronment. ave failed ddition, I ws and/or	eemedia (cheel k-up k fic cau nup Ac ased fr elf at th on give red to The a d to ad	e Fully ial Activ k valve blender usation ction Ta rac flui the con- en abov report a acceptar lequatel CD acce	* on Taken.) is thoug was isola and corr ken.* d was rec clusion of re is true a and/or file ace of a C- y investig	ht to have ted and r ective active overed fr pumping nd comple certain re 141 repor ate and rc	om seco om seco operation ete to the lease nort to by the mediate eport do	If YES, Vo N/A leaking which d from serv The blende ondary cont ions and de best of my otifications a NMOCD m contaminat bes not reliev	ch allowed fr. ice. The Frad r will not be mobilization whowledge a ind perform contarked as "Fin ion that pose a ve the operato OIL CO Signed	e pumpir of fraced ba e pumpir of fraced nd unders rrective a al Report threat to of respon ONSER By M	backflow Weatherfe ck into serving and an a puipment. tand that puc- tions for re- does not re- ground wat isibility for VATION	additional additional additional arsuant to cleases will elieve the rer, surfac complian <u>N DIVI</u>	national, n RKI jol RKI jol I nearly 5 NMOCD hich may operator e water, h ice with an <u>SION</u>	is currently o until 00 Bbls was rules and endanger of liability uman health
Was a Water If a Watercou N/A Describe Cau Back-up ble back-up ble back-up and investigating adequately r Describe Are Approximat recovered fr I hereby certific regulations al public health should their cor federal, state,	Irse was Imported and and a set of Problem o	pacted, D em and R on valve The bac ine speci and Clean s of relean i pad itso nformatic are requi ronment. ave failed ddition, I ws and/or	eemedic (check k-up k fic cau nup Ac ased fr elf at the on give red to The a d to ad NMOC	e Fully ial Activ k valve blender usation ction Ta rac flui the cond en abov report a acceptar lequatel CD acce ations.	* on Taken.) is thoug was isola and corr ken.* d was rec clusion of re is true a and/or file ace of a C- y investig	ht to have ted and r ective action overed fr pumping nd comple certain re 141 report ate and rc a C-141 re	ete to the deport do	If YES, Vo N/A leaking which d from serv The blende ondary cont ions and de ondary cont ions and de ondary cont ions and de ondary cont ions and de contaminat bes not reliev Approved by Approval Da Conditions	ch allowed fr. ice. The Frad r will not be mobilization whowledge a ind perform contarked as "Fin ion that pose a ve the operato OIL CO Signed	e fluid to Vendor, olaced ba e pumpir of frac eo nd unders rrective a al Report' threat to of respon DNSER By al Special	backflow Weatherfe ck into serving and an a puipment. tand that puc- tions for re- does not re- ground wat asibility for VATION VATION ist: Expiratio	additional additional additional arsuant to eleases will eleve the erer, surfac complian <u>N DIVI</u>	national, n RKI jol RKI jol I nearly 5 NMOCD hich may operator e water, h ice with an <u>SION</u>	is currently o until 00 Bbls was rules and endanger of liability uman health

eceived by OCD: 6/21/202	24 10:10:42 AM State of New Mexico		Page 17 of
orm C-141		Incident ID	nAB1422341439
age 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC? ∑ Yes □ No	If YES, for what reason(s) does the responsible pa Volume exceeded 25 bbls.		
	otice given to the OCD? By whom? To whom? W OCD on 07/29/2016 by Karolina Blaney via email.	hen and by what means (phone, e	email, etc)?

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jim Raley	Title: EHS Professional
Signature:	Date: 05/10/2023
email: jim.raley@dvn.com	Telephone: <u>575-689-7597</u>
<u> </u>	
OCD Only	
Received by:	Date:

Oil Conservation Division

	Page 18 of 89
Incident ID	nAB1422341439
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>125 (ft bgs)</u>
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🛛 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- \boxtimes Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

eceived by OCD: 6/21/20	24 10:10:42 AM State of New Mexico		Page 19 a
		Incident ID	nAB1422341439
age 4	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
 public health or the environment failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Jim Raley Signature: 	Date: <u>05/</u>	of relieve the operator of liability sh lwater, surface water, human health ty for compliance with any other for <u>S Professional</u>	hould their operations have h or the environment. In
OCD Only Received by:	Da	ate:	

Received by OCD: 6/21/2024 10:10:42 AM Form C-141 State of New Mexico

Page 5

Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	nAB1422341439
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: _____ Title: _____ Signature: _____ Date: Telephone: _____ email: OCD Only Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Page 6

Oil Conservation Division

Incident ID	nAB1422341439
District RP	
Facility ID	
Application ID	

Page 21 of 89

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

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

Printed Name: Jim Raley Title: EHS Professional

Signature: _____ Date: 05/10/2023

email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____

Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Date:
Printed Name:	Title:

<u>District I</u> 1625 N. French <u>District II</u> 811 S. First St., . <u>District III</u> 1000 Rio Brazos <u>District IV</u> 1220 S. St. Franc	Artesia, NM s Road, Azteo	88210 AR c, NM 87410 F a Fe, NM 87505	tesia di EB 27	2017	Oil Cons 1220 Sou	servatio th St.	on Div	vision F is Dr.	RTESIA DJ	STRICT 200ppy ac	Revi	Form C-141 sed August 8, 2011 District Office in 19.15.29 NMAC.
_			Rele	ease N	otificati	on an	nd Co	rrective A	ction			
nab171	0605	3151	<mark>-</mark>			- · · ·	ERAT	· · · · · · · · · · · · · · · · · · ·		Initia	al Report	Final Report
Name of Co Address		WPX Energy ena Vista Dr		1 24	6284	Cont		Karolina Blan		<u> </u>		
Facility Nar			. <u>.</u>					lo. 970 589 074 e: Well Pad	3			
Surface Ow				Тм	ineral Owne					API No	. 30- 015-413	81
Burnet Off				I					1		. 50- 015-415	
Unit Letter	Section	Township	Range	Feet fro	LOCATI om the No	UN U rth/South		Feet from the	East/Wes	t Line	County	
A	17	265					ĺ					
A	1/	205	30E	33		FNL		790	FEI		Eddy	
			La	atitude:	32.0488344 NATUR			e: -103.8969563 F ASF	3 W			
Type of Relea	ase. Produc	ced Water and	Oil		MATUR			Release: 400 Bbl	s	Volum	e Recovered: 1	00 Bbls
Source of Rel Vapor Recov							te and H	our of Occurrenc	e		nd Hour of Disc 17 – 7:00 hrs M	
Was Immedia						If Y	YES, To					
			Yes	No	Not Requir			Crystal Weaver &			BLM Shelly Tu	icker
By Whom? K Was a Water					<u> </u>			our: 2/10/2017-2 lume Impacting t				
			Yes 🗵	No		N/2	-	r 8 ·				
If a Watercou	irse was Im	pacted, Descri	ibe Fully.	* N/A		I						
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.	*							
	ter got spill							onstant vibration a pilled fluids migr				
Describe Are	a Affected	and Cleanup A	Action Tal	ken.*								
	centrations.	The excavation						off location will will submit a Cha				
regulations al public health should their of or the environ	Il operators or the envi operations h nment. In a	are required to ronment. The nave failed to a	o report a acceptane adequately CD accept	nd/or file ce of a C- y investig	certain releas 141 report by ate and remed	e notific the NM liate con	ations ar IOCD ma tamination	knowledge and und perform correct arked as "Final R on that pose a three the operator of the the the operator of the the operator of the	tive action: eport" does eat to groun responsibil	s for rele s not reli nd water ity for c	eases which ma ieve the operator, surface water ompliance with	y endanger r of liability , human health any other
	Karolina	Blow						OIL CON	<u>SERVA</u>	<u>TION</u>	DIVISION	
Signature:		- Cruncy							(n,	A()	1, 100, 1
Printed Name	e: Karolina	Blaney				Appr	oved by	Environmental S	pecialist:	M	BUX	wei
Title: Enviro						Appr	oval Dat	e: 311117	Ext	oiration	Date: NA	
E-mail Addre	ess: Karoli	na.blaney@wp	oxenergy	com				Approval:		_		1
				ne: 970-58	20 07/2		DA<	attac	hed	2	Attached D	٩.
Date: 2/24/2 * Attach Addi		ets If Necess		10. 770-30	<u>,,,,,,,,,</u>		- 1-4 0			<u> </u>	21	RP-4132

Page 22 of 89

•

Received by OCD: 6/21/2024 10:10:42 AM

eceived by OCD: 6/21/202	4 10:10:42 AM State of New Mexico		Page 23 of
01111 C-141		Incident ID	nAB1706053151
age 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC? Yes No	If YES, for what reason(s) does the responsible par Volume exceeded 25 bbls.	rty consider this a major release?	
	otice given to the OCD? By whom? To whom? Wh OCD on 07/29/2016 by Karolina Blaney via email.	nen and by what means (phone, e	email, etc)?

Q

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Jim Raley	Title: EHS Professional
Signature:	Date: 05/10/2023
email: jim.raley@dvn.com	Telephone: <u>575-689-7597</u>
OCD Only	
Received by:	Date:

Page 3

Oil Conservation Division

	Page 24 of 89
Incident ID	nAB1706053151
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>125 (ft bgs)</u>
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🖂 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- \boxtimes Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

eived by OCD: 6/21/20	24 10:10:42 AM State of New Mexico			Page 25 0
			Incident ID	nAB1706053151
e 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
ailed to adequately investig ddition, OCD acceptance on nd/or regulations. rinted Name: <u>Jim Raley</u>		t to groundwater, surfac	ce water, human health iance with any other fea	or the environment. In
mail: jim.raley@dvn.co	m	_Telephone: <u>575-689</u>	<u>-7597</u>	
OCD Only		Data		
		Date.		
eceived by:		Date:		-

Received by OCD: 6/21/2024 10:10:42 AM Form C-141 State of New Mexico

Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	nAB1706053151
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: _____ Title: _____ Signature: _____ Date: Telephone: _____ email: OCD Only Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Page 6

Oil Conservation Division

Incident ID	nAB1706053151
District RP	
Facility ID	
Application ID	

Page 27 of 89

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Jim Raley Title: EHS Professional Signature: _____ Date: 05/10/2023 email: jim.raley@dvn.com Telephone: 575-689-7597 **OCD Only** Received by: Date: _____ Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Date:
Printed Name:	Title:



APPENDIX B

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

	112.1/	an a	176. 1	¥ngar a≉	50
--	--------	--	-----------	-------------	----

F

(Pl

www.ose.state.nm.us

	1											
7	OSE POD NU	•	LL NUMBER)					OSE FILE NUN C-4068	MBER(S)			
GENERAL AND WELL LOCATION	C-4068 PO											
LAC	WELL OWNE							PHONE (OPT)	ONAL)			
ğ	-		Production, LLC									
(T)	WELL OWNE	ER MAILINC	ADDRESS					CITY		STATE		ZIP
NEI	3500 One V	Williams (Center MD 35,					Tulsa		OK 74	1 72	
<u> </u>			DE	GREES	MINUTES	SECONDS						
A	WELL LOCATIO	N		32	2	43.95	N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECONI)	
RAI	(FROM GP	2.4 6	TITUDE	102	F 2	20.22	w	* DATUM RE(QUIRED: WGS 84			
NEI		LOI	NOTIODE	103	53	39.23						
B	DESCRIPTIC	N RELATIN	IG WELL LOCATION TO	STREET ADDRESS	AND COMMON	LANDMARI	KS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLI	E.	
Η.	NW/4SW/4	INW/4 Se	ction 16, Township	26S, Range 30	E, N.M.P.M.							
	LICENSE NU	1050	NAME OF LICENSED	DDULER					NAME OF WELL DR			
	124		NAME OF LICENSED		ie D. Atkins					ineering Assoc		IC.
							225.00	C DEDTU (CT)	DEPTH WATER FIR			
	DRILLING ST		DRILLING ENDED	DEPTH OF COMPLI) 19		LE DEPTH (FT) 125				
	5/11/2	.017	5/12/2017]	n/a			123		ne encountere		
	00100 5750		A DEFECTAN	ORY HOLE	SHALLOW				STATIC WATER LEV		SD WEI	.L (FT)
N	COMPLETED WELL IS: ARTESIA		ARTESIAN	IV DRY HOLE	, SHALLOW	(UNCONFI	NED)			n/a	<u>ko</u>	
TIC	DRILLING FL	UID:	AIR	MUD ADDITIVES – SPECIFY:						A.a. 1100		
& CASING INFORMATION	DRILLING M	FTHOD	ROTARY	HAMMER CABLE TOOL TOTHER - SPECIF			R - SPECIFY	hollow stem auger with air rotary			y X	
<u>10</u>	······································							1			E	
N	DEPTH (feet bgl) FROM TO		BORE HOLE	(include each casing string, and		CASING		CASING		CASING WALL		
B N			DIAM			and		VECTION YPE	INSIDE DIAM.	THICKNE (inches)		SIZE (inches)
AS			(inches)	note sections of screen)				112	(inches)	(menes)		
જ	0	125	±6.625		n/a			n/a	n/a	n/a ·	्राच्छक -: क्	n/a
ŊG												2 - 1 - 1 - 2 - 3
DRILLING										°	·· · ····	
DRI												
5												
	DEDTU	faat k =1)	_ +					ND				
Ŀ	DEPTH (Teer bgr)	BORE HOLE DIAM. (inches)		NNULAR SE. 2 PACK SIZE-1				AMOUNT (cubic feet)		ETHOI ACEM	
IAI	FROM	то	DIAM. (menes)	QKA VEL	, FACK SIZE	ANGE B		ΛVAL	(cubic feet)			
LEE	n/a	n/a	n/a		n	/a			n/a		n/a	
ANNULAR MATERIAL												
AR								·				
nr⁄		·										
NN												
3. A												

			l	1							. 10/02	(1.5)
·····	OSE INTERI	NAL USE	1101-2		POD NU	ABEP	1		WELL RECORD		n 10/29	713)
	NUMBER	\mathcal{L}	ZANTOO	× // +		VIDEK	1				<u></u>	
LOC	ATION	\sim	、 スロト		12.1				FXD	/	AGE 1	OF Z

10.1.3.1

265. 30E.

LOCATION

	DEPTH () FROM	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZC (attach supplemental sheets to fully describe all units)	DNES BEA	ATER ARING? S / NO)	YIEL WA BEA	IATED D FOR TER- RING S (gpm)
	0	5	5	white caliche small gravel	Y	N		
	5	20	15	light brown fine sand with small gravel	Y	√ N		
	20	40	20	tan sand, medium gravel, sandstone	Y	√ N		
	40	50	10	white tannish sand/sandstone	Y	√ N		
	50	90	40	tannish very fine sandstone	Y	√ N		
T	90	110	20	fine reddish tan sandstone	Y	✓ N		
4. HYDROGEOLOGIC LOG OF WELL	110	125	15	fine reddish sandstone with small layers of reddish clay	Y	√ N		
0Ľ.					Y	N		
LOG					Y	N		
E C IE					· Y	N		
ĽŎ					Y	N		
GEO		•			Y	N		
ORO					Y	N		
ΗY]				· · · · · · · · · · · · · · · · · · ·	Y	N	11 - 18 - 1718	که همچ ۲۰۰۶ به مدیر مید ۱۹۹۰ - مورک محک
4					Y	N	:	
					Y	N		
					Y	N	· · · · · · · ·	
					Y	N		
				· · · · · · · · · · · · · · · · · · ·	Y	N	1995 	
					Y	NN	4 1920-47 1 1 1	gant san Jack sant Har San Kar San
					. Y	N		Sec. 1
	METHOD U			F WATER-BEARING STRATA: BAILER OTHER – SPECIFY:	TOTAL ESTI WELL YIEL		0.0	00
Z	WELL TEST			CH A COPY OF DATA COLLECTED DURING WELL TESTING, J E, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN (,
TEST; RIG SUPERVISION	MISCELLAI	NEOUS INF	Bor	adapted from Souder Miller & Associates oversight. Boring to ing advanced with combination of air rotary and hollow stem a ng not converted to well. Boring abandoned see plugging reco	auger tooling. No	ence/abser water end	nce of wa countered	
EST	PRINT NAM	E(S) OF DI	RILL RIG SUPERV	ISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL C	ONSTRUCTION	THER TH	IAN LICE	NSEE
5. T			ba, Shane Eldridg		onstruction			
SIGNATURE	CORRECT R	ECORD OI	F THE ABOVE DE	S THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BE SCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELI DAYS AFTER COMPLETION OF WELL DRILLING:	ELIEF, THE FORE L RECORD WITH	GOING IS THE STA	A TRUE TE ENGI	AND NEER
6. SIGN/		Sont	. S. he	Jackie D. Atkins	5/17	7/2017		
		SIGNAT	URE OF DRILLER	/ PRINT SIGNEE NAME		DATE		
FOR	OSE INTERN	IAL USE		WR-20 V	VELL RECORD &	LOG (Ve	rsion 10/29	9/2015)
[E NUMBER	C	-4067	POD NUMBER TRN NU		107	27	
L								



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

Page 31 of 89

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 606777 File Nbr: C 04068 Well File Nbr: C 04068 POD1

Jun. 12, 2017

JUSTIN BARMORE RKI EXPLORATION AND PRODUCTION LLC 3500 ONE WILLIAMS CENTER MD 35 TULSA, OK 74172

Greetings:

The above numbered permit was issued in your name on 05/08/2017.

The Well Record was received in this office on 05/17/2017, stating that it had been completed on 05/12/2017, and was a dry well. The well is to be plugged or capped or otherwise maintained in a manner satisfactory to the State Engineer.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/15/2018.

If you have any questions, please feel free to contact us.

Sincerely,

Deborah Dunaway (575) 622 - 6521

drywell



APPENDIX C

Lithologic Soil Sampling Logs

	_							Sample Name: SS02	Date: 3/12/24	
			NI	C			R A	Site Name: RDX 17 Federal Com #	020H	
								Incident Number: NAB1422341439		
							Job Number: 03A1987048			
LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Israel Estrella	Method: Backhoe		
Coordinates: 32.04905, -103.89746							Hole Diameter: 3'	Total Depth: 10'		
	Comments: Field screening conducted with HACH Chloride Test Strips and Petroflag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
D			Ν	SS02	0	0	CCHE	Caliche - Tan, No odor, No s	taining	
D			N	SS02	1					
М	2,576		N	SS02	2	2	SP-SM	Sand/Silt - Dark brown, tra stainir	-	
м	1,708		N	SS02	3 _	3				
D	1,181		N	SS02	4 _	4 +	SM	Sand - Tan, trace gravel, no	odor no staining	
D	1,092		N	SS02	5	5				
D	862		N	SS02	6	6				
D	520		N	SS02	7	7				
D	1,108		N	SS02	8	8				
D	644		N	SS02	9 _	9				
D	414	64	N	SS02	10	10 Total	Dorth	- 10'		
Total Depth = 10'										



APPENDIX D

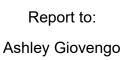
Photographic Log

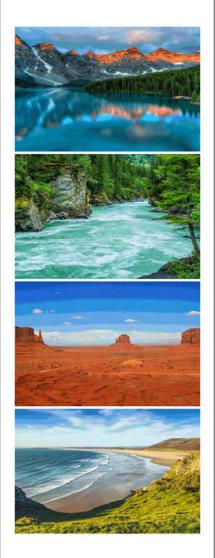




APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Ensolum, LLC

Project Name: RDX 17 #20

Work Order:	E403133

Job Number: 01058-0007

Received: 3/14/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/19/24

Ashley Giovengo 3122 National Parks Hwy Carlsbad, NM 88220

Project Name: RDX 17 #20 Workorder: E403133 Date Received: 3/14/2024 8:00:00AM

Ashley Giovengo,



Page 38 of 89

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/14/2024 8:00:00AM, under the Project Name: RDX 17 #20.

The analytical test results summarized in this report with the Project Name: RDX 17 #20 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

Michelle Golzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS02-3'	5
SS02-5'	6
SS02-7'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Page 40 of 89

		Sample Sum	mary		
Ensolum, LLC		Project Name:			Reported:
		01058-0007		Keporteu.	
Carlsbad NM, 88220	arlsbad NM, 88220 Project Manager: Ashley Gioven		Ashley Giovengo		03/19/24 13:13
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Client Sample ID SS02-3'	Lab Sample ID E403133-01A	Matrix Soil	Sampled 03/12/24	Received 03/14/24	Container Glass Jar, 2 oz.
·	Ĩ		•		

1 0

C



	D	ampic D	ata			
Ensolum, LLC	Project Name	: RD2	X 17 #20			
3122 National Parks Hwy	Project Numb	oer: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			3/19/2024 1:13:27PM
		SS02-3'				
		E403133-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: EG		Batch: 2411110
Benzene	ND	0.0250	1	03/14/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/19/24	
Toluene	ND	0.0250	1	03/14/24	03/19/24	
p-Xylene	ND	0.0250	1	03/14/24 03/19/24		
o,m-Xylene	ND	0.0500	1	03/14/24	03/19/24	
Fotal Xylenes	ND	0.0250	1	03/14/24	03/19/24	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	03/14/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: EG		Batch: 2411110
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	03/14/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2411130
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/16/24	
Surrogate: n-Nonane		83.2 %	50-200	03/15/24	03/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2412009
Chloride	2350	20.0	1	03/18/24	03/19/24	

Sample Data



Surrogate: n-Nonane

	Sa	ample D	ata			
Ensolum, LLC	Project Name:	RDZ	K 17 #20			
3122 National Parks Hwy	Project Numbe	er: 0105	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash		3/19/2024 1:13:27PM		
		SS02-5'				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: EG		Batch: 2411110
Benzene	ND	0.0250	1	03/14/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/19/24	
Toluene	ND	0.0250	1	03/14/24	03/19/24	
o-Xylene	ND	0.0250	1	03/14/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/14/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/19/24	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	03/14/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: EG		Batch: 2411110
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	03/14/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: KM		Batch: 2411130
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/16/24	

 Anions by EPA 300.0/9056A
 mg/kg
 mg/kg
 Analyst: IY
 Batch: 2412009

 Chloride
 1460
 20.0
 1
 03/18/24
 03/19/24

77.9 %

50-200

03/15/24

03/16/24



	S	ample D	ata										
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 0105	X 17 #20 58-0007 ley Giovengo			Reported: 3/19/2024 1:13:27PM							
		SS02-7'											
E403133-03													
Analyte	Result	Reporting Limit	Dilutic	on Prepared	Analyzed	Notes							
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: EG		Batch: 2411110							
Benzene	ND	0.0250	1	03/14/24	03/19/24								
Ethylbenzene	ND	0.0250	1	03/14/24	03/19/24								
Toluene	ND	0.0250	1	03/14/24	03/19/24								
o-Xylene	ND	0.0250	1	03/14/24	03/19/24								
p,m-Xylene	ND	0.0500	1	03/14/24	03/19/24								
Total Xylenes	ND	0.0250	1	03/14/24	03/19/24								
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	03/14/24	03/19/24								
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: EG		Batch: 2411110							
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/19/24								
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	03/14/24	03/19/24								
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2411130							
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/16/24								
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/16/24								
Surrogate: n-Nonane		86.2 %	50-200	03/15/24	03/16/24								

 Anions by EPA 300.0/9056A
 mg/kg
 mg/kg
 Analyst: IY

 Chloride
 616
 20.0
 1
 03/18/24
 03/19/24



Batch: 2412009

QC Summary Data

		QC DI		ii y Data	ц				
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 17 #20 058-0007 shley Gioveng	zo				Reported: 3/19/2024 1:13:27PM
		Volatile O	rganics b				Analyst: EG		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2411110-BLK1)							Prepared: 0	3/14/24 A	nalyzed: 03/18/24
Benzene	ND	0.0250							•
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
p,m-Aylene Total Xylenes	ND	0.0300							
Surrogate: 4-Bromochlorobenzene-PID	7.54	0.0250	8.00		94.2	70-130			
LCS (2411110-BS1)							Prepared: 0	3/14/24 A	nalyzed: 03/18/24
Benzene	4.94	0.0250	5.00		98.7	70-130			-
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	4.95	0.0250	5.00		99.0	70-130			
p-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56	0.0250	8.00		94.4	70-130			
Matrix Spike (2411110-MS1)				Source:	E403125-	04	Prepared: 0	3/14/24 A	nalyzed: 03/18/24
Benzene	4.92	0.0250	5.00	ND	98.3	54-133	1		5
Ethylbenzene	4.91	0.0250	5.00	ND	98.1	61-133			
Toluene	4.91	0.0250	5.00	ND	98.3	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	63-131			
p,m-Xylene	9.89	0.0230	10.0	ND	98.9	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.47	0.0250	8.00		93.4	70-130			
Matrix Spike Dup (2411110-MSD1)				Source:	E403125-	04	Prepared: 0	3/14/24 A	nalyzed: 03/18/24
Benzene	5.10	0.0250	5.00	ND	102	54-133	3.65	20	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	3.42	20	
Toluene	5.08	0.0250	5.00	ND	102	61-130	3.35	20	
o-Xylene	4.99	0.0250	5.00	ND	99.8	63-131	3.45	20	
p,m-Xylene	10.2	0.0230	10.0	ND	102	63-131	3.35	20	
Total Xylenes	15.2	0.0250	15.0	ND	102	63-131	3.39	20	



QC Summary Data

		QC D	uIIIII	aly Data					
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	DX 17 #20 1058-0007 .shley Giovengo					Reported: 3/19/2024 1:13:27PM
	No	nhalogenated C	Organics	by EPA 801	5D - Gl	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	6 6	6 6	00	00	,,,	,,,	,,,		
Blank (2411110-BLK1)							Prepared: 0	3/14/24 A	analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			
LCS (2411110-BS2)							Prepared: 0	3/14/24 A	analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			
Matrix Spike (2411110-MS2)				Source: E	403125-	04	Prepared: 0	3/14/24 A	analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
Matrix Spike Dup (2411110-MSD2)				Source: E	403125-	04	Prepared: 0	3/14/24 A	analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	0.170	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			

QC Summary Data

		QC BI		ary Data					
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	RDX 17 #20 01058-0007 Ashley Giovengo					Reported: 3/19/2024 1:13:27PM
	Nonh	alogenated Orga	anics by	EPA 8015D ·	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2411130-BLK1)							Prepared: 0	3/15/24 A	analyzed: 03/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			
LCS (2411130-BS1)							Prepared: 0	3/15/24 A	analyzed: 03/16/24
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	47.5		50.0		95.0	50-200			
Matrix Spike (2411130-MS1)				Source: E	403118-	02	Prepared: 0	3/15/24 A	analyzed: 03/16/24
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	42.3		50.0		84.6	50-200			
Matrix Spike Dup (2411130-MSD1)				Source: E4	403118-	02	Prepared: 0	3/15/24 A	analyzed: 03/16/24
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	1.11	20	
Surrogate: n-Nonane	43.2		50.0		86.4	50-200			



QC Summary Data

		t - s							
Ensolum, LLC 3122 National Parks Hwy		Project Name: Project Number:		DX 17 #20 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager	:: А	shley Gioveng	ço				3/19/2024 1:13:27PM
		Anions	by EPA	300.0/9056A	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2412009-BLK1)							Prepared: 0	3/18/24 A	nalyzed: 03/18/24
Chloride	ND	20.0							
LCS (2412009-BS1)							Prepared: 0	3/18/24 A	nalyzed: 03/18/24
Chloride	258	20.0	250		103	90-110			
LCS Dup (2412009-BSD1)							Prepared: 0	3/18/24 A	nalyzed: 03/18/24
Chloride	258	20.0	250		103	90-110	0.191	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

_				
ſ	Ensolum, LLC	Project Name:	RDX 17 #20	
	3122 National Parks Hwy	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	03/19/24 13:13

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Reproject Information

Received by OCD: 6/21/2024 10:10:42 AM

Page

49 of

683

Alipat. Encolim

Report d					Bill To					_	se On						AT	EPA P	rogram
Project:	RDX 17 #2				Attention: Jim Raley		Lab W	VO#		2	I dol			1D	2D	3D	Standard	CWA	SDWA
the second se	Aanager: Ash				Address: 5315 Buena Vista Dr		EU	03	133	5	010	50	-0007				x		1
	3122 Nation				City, State, Zip: Carlsbad NM, 8	3220	-				Analy	sis a	nd Metho	d	-				RCRA
	e, Zip: Carlsb		88220		Phone: (575)689-7597		, ind	han		574						1			
	575-988-0055				Email: jim.raley@dvn.com							h^{\prime}						State	
	giovengo@en	solum.co	m					I'NY	21	20	0	0.00		MN		¥	NM CO	UT AZ	TX
Report d	ue by:		1			1			y 80	/ 82	601	le 30		1120			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	ID HOL	1PT GRU/ DRU/ URU BY 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
10:13	3/12/2024	Soil	1		SS02 - 3'	1								x					
10:31	3/12/2024	soil	1		SS02 - 5'	Z								x			-		
10:57	3/12/2024	Soil	1		SS02 - 7'	3								x					
	1																		_
	-	-																	
Addition	al Instruction	s: Pleas	e CC: cbu	irton@ensolu	m.com, agiovengo@ensolum.com, ji	m.raley@dvr	n.com,	char	milto	n@	enso	olum	n.com, ies	stre	la@e	nsolu	im.com		
late or time	of collection is cor	sidered frau		of this sample. I an e grounds for legal	aware that tampering with or intentionally mislabe action. <u>Sampled by:</u> Israel Estrella	and the second se	ocation,					10					eceived on ice the da less than 6 °C on sul	a contract of the second	pled or
~	ed by: (Signature	× ×			5=35 Michel Gurl	Date 3-13-	24	ime 10	02		Rece	eived	d on ice:		ab U	se Or N	ly		
Relinquishe	ed by: (Signature M ed by: (Signature	h			30 Received by: (Signature)	3.13	.24	ime 17	00		<u>T1</u>			<u>T2</u>			<u>T3</u>		
Religiduishe	ed by: (Signature))¥	Date 3.	13.24 Z	300 Received by: (Signature)	Date 3/4		ime D9			100.00		np°C_L	f					
	rix: S - Soil, Sd - Sol												c, ag - aml						
					ess other arrangements are made. Hazardous cory with this COC. The liability of the laborate									t exp	ense.	The re	eport for the ana	lysis of the	above
								and be			- 1			-	5		iro		

Envirotech Analytical Laboratory

Printed: 3/14/2024 2:59:34PM

Page 50 of 89

Sample Receipt Checklist (SRC)

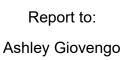
Instructions: Please take note of any NO checkmarks. If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

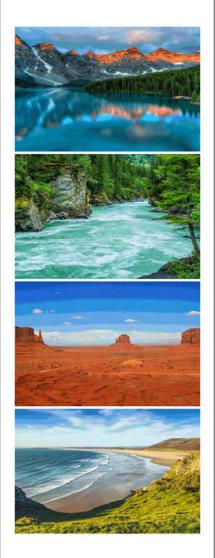
Client:	Ensolum, LLC	Date Received:	03/14/24 08:00	Work Order ID:	E403133
Phone:	(575) 988-0055	Date Logged In:	03/13/24 17:38	Logged In By:	Alexa Michaels
Email:	a.giovengo@ensolum.com	Due Date:	03/20/24 17:00 (4 day TAT)		
C'hain A	f Custody (COC)				
1. Does	f Custody (COC) the sample ID match the COC? the number of samples per sampling site location mat	ch the COC	Yes		
1. Does 2. Does		tch the COC	Yes Yes Carrier: <u>Courier</u>		

in the are boo complete, new, signatures, and annes, requested analyses.		
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disuession.	Yes	Comments/Resolution
Sample Turn Around Time (TAT)		
6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	Client name was not on COC. Added
Sample Cooler_		Ensolum on COC as client per Lynn per
7. Was a sample cooler received?	Yes	text message
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: $4^{\circ}C$	2	
Sample Container		
14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	
Field Label		
20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	
<u>Sample Preservation</u> 21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	
Multiphase Sample Matrix		
26. Does the sample have more than one phase, i.e., multiphase?	No	i i
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	
	INA	
Subcontract Laboratory	N 1-	
28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA
<u>Client Instruction</u>		

Date

envirotech Inc.





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Ensolum, LLC

Project Name: RDX 17 #20

Work Order: E403134

Job Number: 01058-0007

Received: 3/14/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 3/22/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/22/24

Ashley Giovengo 3122 National Parks Hwy Carlsbad, NM 88220

Project Name: RDX 17 #20 Workorder: E403134 Date Received: 3/14/2024 8:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/14/2024 8:00:00AM, under the Project Name: RDX 17 #20.

The analytical test results summarized in this report with the Project Name: RDX 17 #20 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

Michelle Golzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

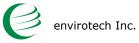
•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS02-9'	5
SS02-10'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

#20 Benerted
007 Reported:
biovengo 03/22/24 10:32
)

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-9'	E403134-01A	Soil	03/12/24	03/14/24	Glass Jar, 2 oz.
SS02-10'	E403134-02A	Soil	03/12/24	03/14/24	Glass Jar, 2 oz.



	\sim	ampic D				
Ensolum, LLC	Project Name	: RD2	X 17 #20			
3122 National Parks Hwy	Project Numb	er: 0103	58-0007			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			3/22/2024 10:32:20AN
		SS02-9'				
		E403134-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: EG		Batch: 2411110
Benzene	ND	0.0250	1	03/14/24	03/19/24	
Ithylbenzene	ND	0.0250	1	03/14/24	03/19/24	
oluene	ND	0.0250	1	03/14/24	03/19/24	
-Xylene	ND	0.0250	1	03/14/24	03/19/24	
,m-Xylene	ND	0.0500	1	03/14/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/19/24	
urrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	03/14/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: EG		Batch: 2411110
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/19/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	03/14/24	03/19/24	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2411130
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/24	03/16/24	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/24	03/16/24	
'urrogate: n-Nonane		79.4 %	50-200	03/15/24	03/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: IY		Batch: 2412009
Chloride	644	20.0	1	03/18/24	03/19/24	





Surrogate: 1-Chloro-4-fluorobenzene-FID

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Nonhalogenated Organics by EPA 8015D - DRO/ORO

	S	Sample D	ata			
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Nam Project Num Project Man	ber: 010	X 17 #20 58-0007 ley Giovengo	Reported: 3/22/2024 10:32:20AM		
		SS02-10' E403134-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2411110
Benzene	ND	0.0250	1	03/14/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/14/24	03/19/24	
Toluene	ND	0.0250	1	03/14/24	03/19/24	
p-Xylene	ND	0.0250	1	03/14/24	03/19/24	
o,m-Xylene	ND	0.0500	1	03/14/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/14/24	03/19/24	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	03/14/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: EG		Batch: 2411110
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/24	03/19/24	

93.6 %

86.0 %

mg/kg

25.0

50.0

mg/kg

40.0

mg/kg

ND

ND

mg/kg

385

70-130

50-200	03/15/24
	Analyst: IY

Analyst: KM

1

1

2

7	
03/18/24	03/19/24

03/14/24

03/15/24

03/15/24

03/19/24

03/16/24

03/16/24

03/16/24

Batch: 2411130

Batch: 2412009

QC Summary Data

		VC D		ii y Data	ц				
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 17 #20 1058-0007 shley Gioveng	go				Reported: 3/22/2024 10:32:20AM
		Volatile O	rganics b	oy EPA 802	21B				Analyst: EG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2411110-BLK1)							Prepared: 0	3/14/24 A	nalyzed: 03/18/24
Benzene	ND	0.0250					-		
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.54	0.0250	8.00		94.2	70-130			
LCS (2411110-BS1)							Prepared: 0	3/14/24 A	nalyzed: 03/18/24
Benzene	4.94	0.0250	5.00		98.7	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	4.95	0.0250	5.00		99.0	70-130			
p-Xylene	4.90	0.0250	5.00		98.0	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56	0.0250	8.00		94.4	70-130			
Matrix Spike (2411110-MS1)				Source:	E403125-	04	Prepared: 0	3/14/24 A	nalyzed: 03/18/24
Benzene	4.92	0.0250	5.00	ND	98.3	54-133	1		•
Ethylbenzene	4.91	0.0250	5.00	ND	98.1	61-133			
Toluene	4.92	0.0250	5.00	ND	98.3	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	63-131			
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.47	0.0200	8.00		93.4	70-130			
Matrix Spike Dup (2411110-MSD1)				Source:	E403125-	04	Prepared: 0	3/14/24 A	nalyzed: 03/18/24
Benzene	5.10	0.0250	5.00	ND	102	54-133	3.65	20	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	3.42	20	
Toluene	5.08	0.0250	5.00	ND	102	61-130	3.35	20	
o-Xylene	4.99	0.0250	5.00	ND	99.8	63-131	3.45	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.35	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.39	20	
		0.0200							



QC Summary Data

		QC D	uIIIII	aly Data					
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	DX 17 #20 1058-0007 Ashley Giovengo					Reported: 3/22/2024 10:32:20AM
	No	nhalogenated C	Organics	by EPA 8015	5D - Gl	RO			Analyst: EG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2411110-BLK1)							Prepared: 0	3/14/24 A	analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			
LCS (2411110-BS2)							Prepared: 0	3/14/24 A	analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			
Matrix Spike (2411110-MS2)				Source: E	403125-	04	Prepared: 0	3/14/24 A	analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
Matrix Spike Dup (2411110-MSD2)				Source: E	403125-	04	Prepared: 0	3/14/24 A	analyzed: 03/18/24
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	0.170	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			

QC Summary Data

		QC BI	umm	ary Data					
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	C	RDX 17 #20 01058-0007 Ashley Giovengo					Reported: 3/22/2024 10:32:20AM
	Nonh	alogenated Orga	anics by	EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	00	6 6	00	00	,,,	,,,			
Blank (2411130-BLK1)							Prepared: 0	3/15/24 A	Analyzed: 03/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			
LCS (2411130-BS1)							Prepared: 0	3/15/24 A	Analyzed: 03/16/24
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	47.5		50.0		95.0	50-200			
Matrix Spike (2411130-MS1)				Source: E	403118-	02	Prepared: 0	3/15/24 A	Analyzed: 03/16/24
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	42.3		50.0		84.6	50-200			
Matrix Spike Dup (2411130-MSD1)				Source: E	403118-	02	Prepared: 0	3/15/24 A	Analyzed: 03/16/24
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	1.11	20	
Surrogate: n-Nonane	43.2		50.0		86.4	50-200			



QC Summary Data

				- 5					
Ensolum, LLC 3122 National Parks Hwy		Project Name: Project Number:		DX 17 #20 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager	:: А	shley Gioveng	ço				3/22/2024 10:32:20AM
		Anions	by EPA	300.0/9056A	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2412009-BLK1)							Prepared: 0	3/18/24 A	nalyzed: 03/18/24
Chloride	ND	20.0							
LCS (2412009-BS1)							Prepared: 0	3/18/24 A	nalyzed: 03/18/24
Chloride	258	20.0	250		103	90-110			
LCS Dup (2412009-BSD1)							Prepared: 0	3/18/24 A	nalyzed: 03/18/24
Chloride	258	20.0	250		103	90-110	0.191	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

_		_ •		
ſ	Ensolum, LLC	Project Name:	RDX 17 #20	
	3122 National Parks Hwy	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	03/22/24 10:32

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Release Project Information

	formation					Chair	of Custody													Page	of
eport di	+: Ens	dum	7			Bill To	_		_	La	ab Us	se Or	ly		1		TA	AT		EPA P	rogram
roject:	RDX 17 #					Attention: Jim Raley		Lab	WO				Num	ber	1D	2D	3D	St	andard	CWA	SDWA
oject N	lanager: Ashl	ley Giove	ngo			Address: 5315 Buena Vista Dr		E	HO	313	54	00	50-	0007					x		
Idress:	3122 Nationa	al Parks H	lwy			City, State, Zip: Carlsbad NM, 882	20							nd Metho	bd			1			RCRA
y, Stat	e, Zip: Carlsb	ad NM, 8	8220			Phone: (575)689-7597			þγ						-						
one: 5	75-988-0055					Email: jim.raley@dvn.com			ORO									1		State	
nail: ap	giovengo@en:	solum.co	m						RO/0	н	0		0.0		MN		~		NM CO	UT AZ	TX
port du	ue by:								0/D	8021	8260	6010	e 300.0				¥1		×		
Time Impled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by	voc by	Metals 6010	Chloride		BGDOC		GDOC			Remarks	
1:33	3/12/2024	Soil	1			SS02 - 9'	1								x				Run only if	5502 - 7° is >60	Oci 100 TPH
1:37	3/12/2024	Soil	1			SS02 - 10'	2								x				Run only If	SSO2 - 7' is >60	Dcl 100 TPH
dition	al Instruction	s: Pleas	se CC: cb	urton@ensol	um.c	com, agiovengo@ensolum.com, jim	.raley@dvr		n, cha	amilt		Denso	blum	.com, ie	strell	a@e	nsolu		om		
eld same	oler), attest to the	validity and a	authenticity	of this sample. I a	am awa	re that tampering with or intentionally mislabelli	ng the sample k	ocation	1.		-	Sampl	es requi	ring thermal	preserva	ation m	ust be re	eceived	d on ice the day	they are sam	oled or
	of collection is con	and the second second					a de la compañía de la					receiv	ed packe	ed in ice at a	n avg ter	np abov	ve 0 but	less the	an 6 °C on subs	equent days.	
-l	ed by: (Signature)			13/24	8:3	Received by: (Signature) 35 Michael Guf Received by: (Signature)	Date 3-13-1	24	Time 10 Time	02	2	Reco	eived	on ice:)/ N	se On I	lly			
Viel	ed py: (Signature)	h	3- Date	Tim	230	Beceived by: (Signature)	Date 3.13 Date	·U	Time	700	0	<u>T1</u>			, <u>T2</u>	10		_	<u>T3</u>		
X.c	Н.		3	1.13.24 2	230	20 Ali	BN	M	09	300			Tem		1_		110				
	rix: S - Soil, Sd - Sol				nless o	ther arrangements are made. Hazardous s	Containe												for the analy	is of the	above
						with this COC. The liability of the laboratory															and the second sec
						Page	12 of 13				(3		e	er	1	V		ro	te	C

Envirotech Analytical Laboratory

Printed: 3/14/2024 4:34:31PM

Page 63 of 89

envirotech Inc.

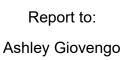
• •

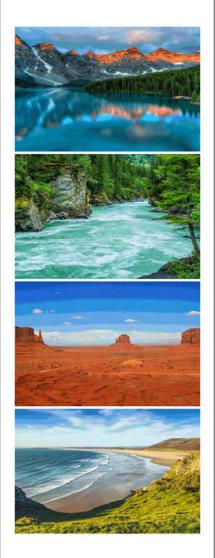
Sample Receipt Checklist (SRC)

ient:	Ensolum, LLC I	Date Received:	03/14/24 08	:00	Work Order ID: E403134
Phone:	(575) 988-0055 I	Date Logged In:	03/13/24 17	:40	Logged In By: Alexa Michaels
Email:		Due Date:	03/20/24 17	':00 (4 day TAT)	
Chain o	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
	the number of samples per sampling site location match	h the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courier
4. Was ti	he COC complete, i.e., signatures, dates/times, requeste	ed analyses?	No		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion		Yes	-	Comments/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				Client name area not on COC. Added
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes		Client name was not on COC. Added
Sample	Cooler				Ensolum on COC as client per Lynn per
	sample cooler received?		Yes		text message. See COC for Client remarks
-	, was cooler received in good condition?		Yes		
9. Was ti	he sample(s) received intact, i.e., not broken?		Yes		
10. Wer	e custody/security seals present?		No		
11. If ye	s, were custody/security seals intact?		NA		
	the sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are a minutes of sampling o visible ice, record the temperature. Actual sample to	received w/i 15	Yes <u>°C</u>		
	Container	•			
-	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
16. Is th	c head space less than 6-8 mm (pea sized or less)?		NA		
17. Was	a trip blank (TB) included for VOC analyses?		NA		
18. Are	non-VOC samples collected in the correct containers?		Yes		
19. Is the	e appropriate volume/weight or number of sample containe	rs collected?	Yes		
Field La	abel				
	e field sample labels filled out with the minimum inform	mation:			
	Sample ID? Data (Time Callected?)		Yes		
	Date/Time Collected? Collectors name?		Yes Yes		
	Preservation_		103		
	s the COC or field labels indicate the samples were pre-	served?	No		
	sample(s) correctly preserved?		NA		
	b filteration required and/or requested for dissolved me	tals?	No		
Multipl	nase Sample Matrix				
-	s the sample have more than one phase, i.e., multiphase	?	No		
	es, does the COC specify which phase(s) is to be analyz		NA		
-	tract Laboratory				
-	samples required to get sent to a subcontract laboratory	n	No		
	a subcontract laboratory specified by the client and if s			Subcontract Lab	b: NA
	Instruction				

Signature of client authorizing changes to the COC or sample disposition.

Date





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Ensolum, LLC

Project Name: RDX 17 #20

Work Order: E403142

Job Number: 01058-0007

Received: 3/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/20/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/20/24

Ashley Giovengo 3122 National Parks Hwy Carlsbad, NM 88220

Project Name: RDX 17 #20 Workorder: E403142 Date Received: 3/15/2024 6:45:00AM

Ashley Giovengo,



Page 65 of 89

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2024 6:45:00AM, under the Project Name: RDX 17 #20.

The analytical test results summarized in this report with the Project Name: RDX 17 #20 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

Michelle Golzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS01-4'	5
FS02-4'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Page	6 7	of 89	

		Sample Sum	mary		
Ensolum, LLC		Project Name:	RDX 17 #20		Reported:
3122 National Parks Hwy		Project Number:	01058-0007		Reported.
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		03/20/24 13:32
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-4'	E403142-01A	Soil	03/13/24	03/15/24	Glass Jar, 2 oz.

C



	~	ampie D				
Ensolum, LLC	Project Nam	e: RD2	X 17 #20			
3122 National Parks Hwy	Project Num	ber: 010	58-0007			Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Giovengo			3/20/2024 1:32:41PM
		FS01-4'				
		E403142-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: EG		Batch: 2411141
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
o,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
urrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: EG		Batch: 2411141
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2412002
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/24	03/19/24	
Dil Range Organics (C28-C36)	ND	50.0	1	03/18/24	03/19/24	
urrogate: n-Nonane		69.5 %	50-200	03/18/24	03/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2412021
Chloride	1070	20.0	1	03/18/24	03/20/24	

Sample Data



Surrogate: n-Nonane

	S	ample D	ata			
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 010	K 17 #20 58-0007 ley Giovengo			Reported: 3/20/2024 1:32:41PM
		FS02-4'				
		E403142-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: EG		Batch: 2411141
Benzene	ND	0.0250	1	03/15/24	03/19/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/19/24	
Toluene	ND	0.0250	1	03/15/24	03/19/24	
o-Xylene	ND	0.0250	1	03/15/24	03/19/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/19/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/19/24	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: EG		Batch: 2411141
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	03/15/24	03/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2412002
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/24	03/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/24	03/19/24	

03/18/24

03/19/24

 Anions by EPA 300.0/9056A
 mg/kg
 mg/kg
 Analyst: IY
 Batch: 2412021

 Chloride
 1460
 20.0
 1
 03/18/24
 03/20/24

74.8 %

50-200



QC Summary Data

		QC DI		ii y Data	ц				
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	DX 17 #20 1058-0007 shley Gioveng	go				Reported: 3/20/2024 1:32:41PM
		Volatile O	rganics l	oy EPA 802	21B				Analyst: EG
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2411141-BLK1)							Prepared: 0	3/15/24 A	Analyzed: 03/19/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			
LCS (2411141-BS1)							Prepared: 0	3/15/24 A	Analyzed: 03/19/24
Benzene	4.94	0.0250	5.00		98.7	70-130			
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130			
Toluene	4.95	0.0250	5.00		99.1	70-130			
p-Xylene	4.91	0.0250	5.00		98.3	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			
Matrix Spike (2411141-MS1)				Source:	E403140-	10	Prepared: 0	3/15/24 A	Analyzed: 03/19/24
Benzene	4.93	0.0250	5.00	ND	98.6	54-133			
Ethylbenzene	4.97	0.0250	5.00	ND	99.5	61-133			
Toluene	4.95	0.0250	5.00	ND	99.1	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.3	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			
Matrix Spike Dup (2411141-MSD1)				Source:	E403140-	10	Prepared: 0	3/15/24 A	Analyzed: 03/19/24
Benzene	5.00	0.0250	5.00	ND	100	54-133	1.35	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	1.82	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.59	20	
p-Xylene	5.02	0.0250	5.00	ND	100	63-131	2.12	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	1.94	20	
Total Xylenes	15.2	0.0250	15.0	ND	102	63-131	2.00	20	
-									



QC Summary Data

		QC D	umm	ary Data					
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	RDX 17 #20 1058-0007 Ashley Giovengo	,				Reported: 3/20/2024 1:32:41PM
	Noi	nhalogenated O	Organics	by EPA 801	5D - GI	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2411141-BLK1)							Prepared: 03	3/15/24 A	Analyzed: 03/19/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			
LCS (2411141-BS2)							Prepared: 03	3/15/24 A	Analyzed: 03/19/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
Matrix Spike (2411141-MS2)				Source: E	403140-1	10	Prepared: 03	3/15/24 A	Analyzed: 03/19/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
Matrix Spike Dup (2411141-MSD2)				Source: E	403140-1	10	Prepared: 03	3/15/24 A	Analyzed: 03/19/24
Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	0.00294	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			



QC Summary Data

		QC BI	u I I I I I I	ary Data					
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(RDX 17 #20 01058-0007 Ashley Giovengo					Reported: 3/20/2024 1:32:41PM
	Nonh	alogenated Orga	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2412002-BLK1)							Prepared: 0	3/18/24 A	Analyzed: 03/18/24
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	37.9		50.0		75.8	50-200			
LCS (2412002-BS1)							Prepared: 0	3/18/24 A	Analyzed: 03/18/24
Diesel Range Organics (C10-C28)	227	25.0	250		90.6	38-132			
Surrogate: n-Nonane	36.3		50.0		72.6	50-200			
Matrix Spike (2412002-MS1)				Source: E	403140-	04	Prepared: 0	3/18/24 A	Analyzed: 03/18/24
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132			
Surrogate: n-Nonane	40.0		50.0		80.0	50-200			
Matrix Spike Dup (2412002-MSD1)				Source: E	403140-	04	Prepared: 0	3/18/24 A	Analyzed: 03/18/24
Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.1	38-132	1.61	20	
Surrogate: n-Nonane	38.5		50.0		76.9	50-200			



Received by OCD: 6/21/2024 10:10:42 AM

QC Summary Data

		t - s	••	- 5					
Ensolum, LLC 3122 National Parks Hwy		Project Name: Project Number:		DX 17 #20 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager		shley Gioveng	go				3/20/2024 1:32:41PM
		Anions	by EPA 3	300.0/9056A	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2412021-BLK1)							Prepared: 0	3/18/24 A	nalyzed: 03/19/24
Chloride	ND	20.0							
LCS (2412021-BS1)							Prepared: 02	3/18/24 A	nalyzed: 03/19/24
Chloride	252	20.0	250		101	90-110			
LCS Dup (2412021-BSD1)							Prepared: 02	3/18/24 A	nalyzed: 03/19/24
Chloride	251	20.0	250		100	90-110	0.512	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

_		_ ••		
ſ	Ensolum, LLC	Project Name:	RDX 17 #20	
I	3122 National Parks Hwy	Project Number:	01058-0007	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	03/20/24 13:32

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Release Alloct: Encode

Received by OCD: 6/21/2024 10:10:42 AM

Allant. Enclus

Repor	t due by:				•	Bill To				Lab L	Jse O	nly		1	_	TA	т	EPA F	rogram
Proje						Attention: Jim Raley	_	Lab W	0#	10	Job	Num	ber	1D	2D	3D	Standard	d CWA	SDWA
	t Manager: Ash					ddress: 5315 Buena Vista Dr		E 40	314	12		268	-0007				х		1
	ss: 3122 Nation					ity, State, Zip: Carlsbad NM, 882	20				Anal	ysis a	nd Metho	d					RCRA
1	tate, Zip: Carlsh		8220		<u>P</u>	hone: (575)689-7597		by l					1	1				1	
	: 575-988-0055				<u>E</u>	mail: jim.raley@dvn.com		ORC										State	
	agiovengo@en	solum.co	m		_			DRO/	8021	09	0	300.0		WN		X	NM C	O UT AZ	TX
	t due by:						1	RO/I	v 80	y 8260	601	de 30					×		
Time Sampl	d Date Sampled	Matrix	No. of Containers	Sample ID	1.		Lab Number	TPH GRO/DRO/ORO by	8015 BTEX by 8	VOC by	Metals 6010	Chloride		BGDOC		GDOC		Remark	s
11:0	5 3/13/2024	Soil	1			FS01 - 4'	1							x					
11:0	3 3/13/2024	Soil	1			FS02 - 4'	2							x					
_									-	_				-					
									+	-	+								
											1								
Addit	onal Instruction	is: Pleas	e CC: cbi	urton@en:	solum.com	n, agiovengo@ensolum.com, jim	.raley@dvr	n.com,	cham	ilton	@ens	olum	.com, ies	strell	a@ei	nsolu	m.com		
	ampler), attest to the me of collection is co					hat tampering with or intentionally mislabellin Sampled by: Israel Estrella	ng the sample lo	ocation,				· · · · · · · · · · · · · · · · · · ·	-				ceived on ice the ess than 6 °C on		
elinqu	shed by: (Signature	1	Date 3/	14/24	Time 9=15	Received by: (Signature)	Date 14	<i>H</i>	ne 09	IS	Rec	eivec	on ice:		N	e On	y		
M	shed by: (Signature	inte		14-24	1530	Received by: (Signature)	3/15/	24 (704	5	<u>T1</u>			<u>T2</u>			<u>T3</u>		
	shed by: (Signature		Date		Time	Received by: (Signature)	Date	Ti	ne			G Ten		4					
	Matrix: S - Soil, Sd - So						Containe												
lote: S						r arrangements are made. Hazardous sinhing the hard of								t expe	ense.	The re	port for the a	nalysis of the	above

Envirotech Analytical Laboratory

Printed: 3/15/2024 12:34:07PM

Page 76 of 89

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive	If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.							
Client:	Ensolum, LLC	Date Received:	03/15/24 06:45	Work Order ID:	E403142			
Phone:	(575) 988-0055	Date Logged In:	03/14/24 17:39	Logged In By:	Alexa Michaels			
Email:	a.giovengo@ensolum.com	Due Date:	03/21/24 17:00 (4 day TAT)					

Chain of Custody (COC)

1

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
 Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. 	Yes	Comments/Resolution
Sample Turn Around Time (TAT)		
6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	
Sample Cooler		
7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: $4^{\circ}C$		
Sample Container		
14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	
<u>Field Label</u> 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected?	Yes Yes	
Collectors name?	Yes	
Sample Preservation	No	
21. Does the COC or field labels indicate the samples were preserved?	NO NA	
22. Are sample(s) correctly preserved?		
24. Is lab filteration required and/or requested for dissolved metals?	No	
Multiphase Sample Matrix		
26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	
Subcontract Laboratory .		
28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA
<u>Client Instruction</u>		

Signature of client authorizing changes to the COC or sample disposition.

Date



APPENDIX F

NMOCD Notifications

Released to Imaging: 7/23/2024 7:26:42 AM

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

District III

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

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

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

Page 78 bf 82

QUESTIONS

Action 321968

QUESTIONS Operator: OGRID: WPX Energy Permian, LLC 246289 Devon Energy - Regulatory Action Number: Oklahoma City, OK 73102 321968 Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS Proroquisitos

Frerequisites	
Incident ID (n#)	nAB1706053151
Incident Name	NAB1706053151 RDX 17 FEDERAL COM #020H @ 30-015-41381
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-41381] RDX 17 FEDERAL COM #020H

Location of Release Source

Site Name	RDX 17 FEDERAL COM #020H
Date Release Discovered	02/10/2017
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	3
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Contact Ashley Giovengo 575-988-0055
Please provide any information necessary for navigation to sampling site	Location at 32.0489464° N, -103.8974533° W

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	321968
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Crea By	d Condition	Condition Date
jral	y Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/11/2024

CONDITIONS

Page 79 bf 82

Action 321968

From:	Maxwell, Ashley, EMNRD
To:	Raley, Jim
Subject:	RE: [EXTERNAL] WPX Energy Extension Request - NAB1422341439
Date:	Friday, February 16, 2024 7:58:41 AM
Attachments:	image001.png

Good Morning Jim,

Your extension request for 90 days has been approved. Please submit a report via the OCD permitting portal by June 21, 2024.

Ashley Maxwell • Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.635.5000 | Ashley.Maxwell@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ or https://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Raley, Jim <<u>Jim.Raley@dvn.com</u>>
Sent: Thursday, February 15, 2024 12:15 PM
To: Hamlet, Robert, EMNRD <<u>Robert.Hamlet@emnrd.nm.gov</u>>
Subject: [EXTERNAL] WPX Energy Extension Request - NAB1422341439

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

Robert,

WPX Energy is requesting and extension for incident# NAB1422341439 for the RDX 17-20H. This incident occurred on 7/30/2014.

The previous closure request was denied as a small area off pad was above the closure criteria. We anticipate excavating this small area, but cannot proceed without BLM sundry approval. We are still waiting on BLM to review the sundry application and give permission for equipment off pad.

Due to this delay in receiving landowners permission we ask for an additional 90 days to complete.

Jim Raley | Environmental Professional - Permian Basin 5315 Buena Vista Dr., Carlsbad, NM 88220 C: (575)689-7597 | jim.raley@dvn.com



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments.

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

District III

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

District IV

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

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

QUESTIONS

Action 356498

QUESTIONS					
Operator:	OGRID:				
WPX Energy Permian, LLC	246289				
Devon Energy - Regulatory	Action Number:				
Oklahoma City, OK 73102	356498				
	Action Type:				
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)				

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1422341439
Incident Name	NAB1422341439 RDX 17 FEDERAL COM #020H @ 30-015-41381
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-41381] RDX 17 FEDERAL COM #020H

Location of Release Source

Please answer all the questions in this group.	
Site Name	RDX 17 FEDERAL COM #020H
Date Release Discovered	07/30/2014
Surface Owner	Federal

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	Νο

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Equipment Failure Valve Gelled Brine (Frac Fluid) Released: 700 BBL Recovered: 698 BBL Lost: 2 BBL.
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.

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

District III

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

District IV

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

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

QUESTIONS, Page 2

Action 356498

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356498
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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 s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 06/21/2024

District I

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

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

District III

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

District IV

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

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

QUESTIONS, Page 3

Action 356498

Page 84 of 89

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356498
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

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

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

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. Requesting a remediation plan approval with this submission Yes Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 3200 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 55.1 GRO+DRO (EPA SW-846 Method 8015M) 55 1 BTEX (EPA SW-846 Method 8021B or 8260B) 0 (EPA SW-846 Method 8021B or 8260B) Benzene 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 09/27/2022 On what date will (or did) the final sampling or liner inspection occur 03/13/2024 On what date will (or was) the remediation complete(d) 03/13/2024 What is the estimated surface area (in square feet) that will be reclaimed 2707 What is the estimated volume (in cubic yards) that will be reclaimed 204 What is the estimated surface area (in square feet) that will be remediated 2707 What is the estimated volume (in cubic yards) that will be remediated 204 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

District I

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

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

District III

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

District IV

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

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

Page 85 of 89

Action 356498

QUESTIONS (continued)	
Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356498
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: (Select all answers below that apply.) (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes Which OCD approved facility will be used for off-site disposal Not answered 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 Yes In which state is the disposal taking place Texas What is the name of the out-of-state facility R360 OR is the off-site disposal site, to be used, an NMED facility Not answered. (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) Not answered (In Situ) Soil Vapor Extraction Not answered. (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered. (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered. (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required

to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 06/21/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

District III

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

District IV

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

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

QUESTIONS, Page 5

Action 356498

QUESTIONS (continued)	
Operator: WPX Energy Permian, LLC	OGRID: 246289
Devon Energy - Regulatory Oklahoma City, OK 73102	Action Number: 356498
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

District III

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

District IV

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

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

QUESTIONS, Page 6

Action 356498

Page 87 of 89

QUESTIONS (continued)		
Operator:	OGRID:	
WPX Energy Permian, LLC	246289	
Devon Energy - Regulatory	Action Number:	
Oklahoma City, OK 73102	356498	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	356594
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/27/2022
What was the (estimated) number of samples that were to be gathered	18
What was the sampling surface area in square feet	2707

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2707
What was the total volume (cubic yards) remediated	204
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	2707
What was the total volume (in cubic yards) reclaimed	204
Summarize any additional remediation activities not included by answers (above)	Soils removed
	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
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com	
	Date: 06/21/2024	

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

District III

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

District IV

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

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

QUESTIONS, Page 7

Page 88 of 89

Action 356498

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC	OGRID: 246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356498
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed	

Requesting a reclamation approval with this submission

No

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

District III

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

District IV

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

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

CONDITIONS

Action 356498

CONDITIONS Operator: OGRID: WPX Energy Permian, LLC 246289 Devon Energy - Regulatory Action Number: Oklahoma City, OK 73102 356498 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	7/23/2024
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	7/23/2024
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	7/23/2024