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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

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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

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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.

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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

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

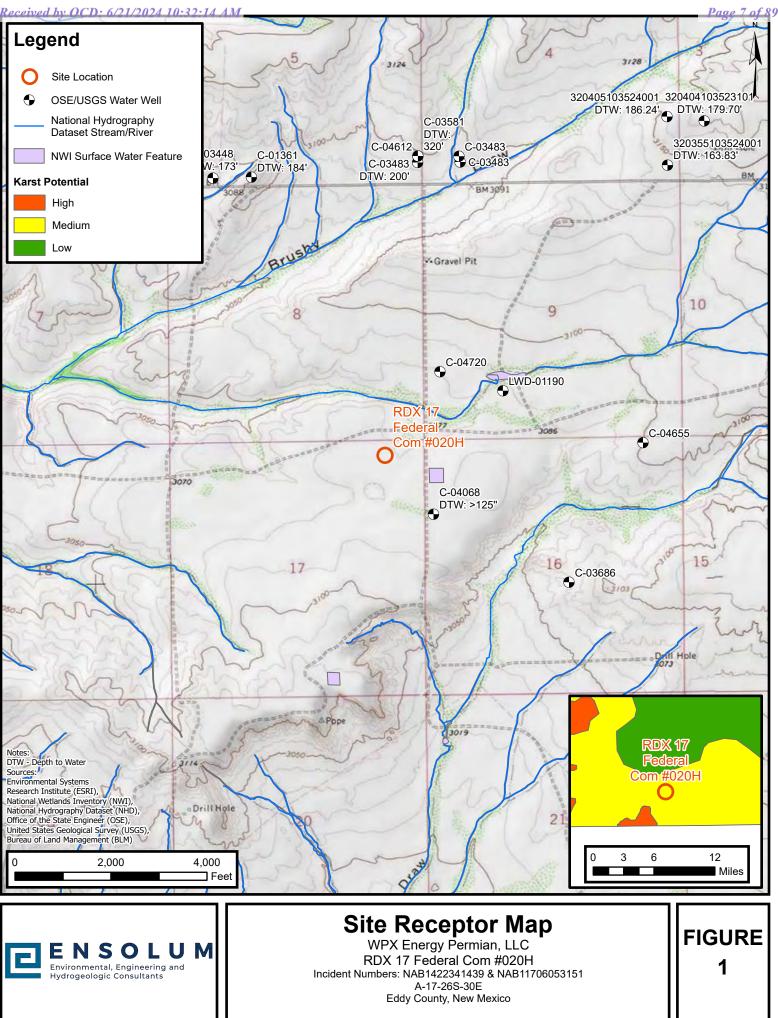
Appendices:

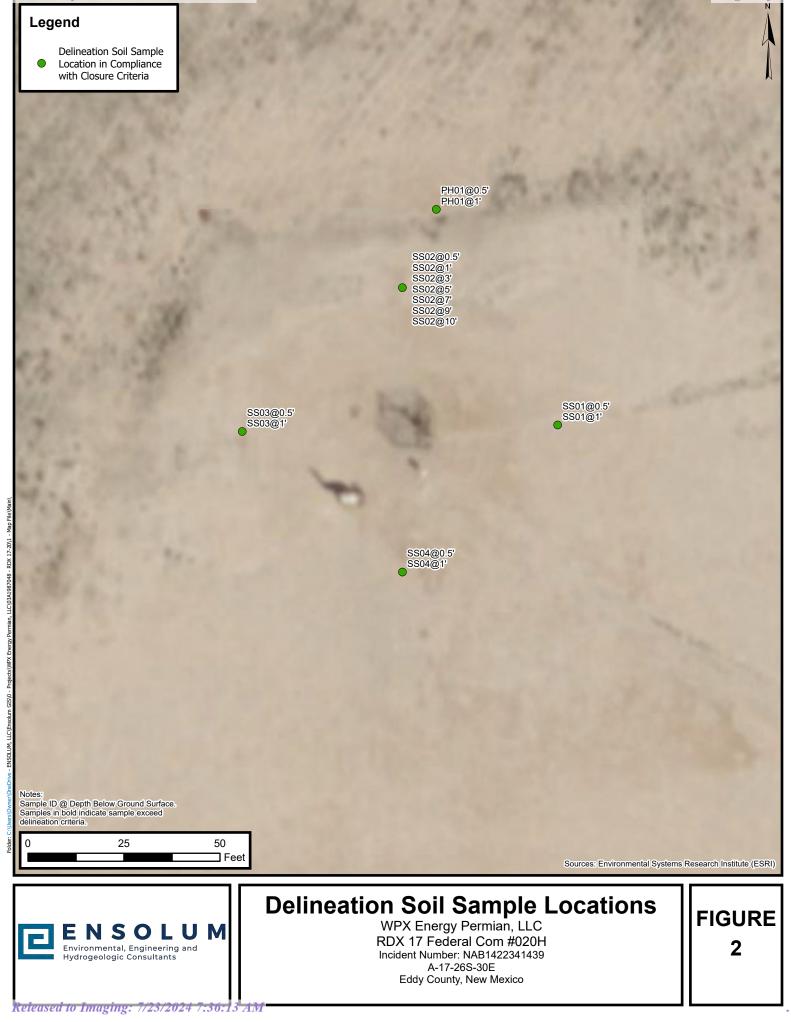
- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations (NAB1422341439)
- Figure 3 Delineation Soil Sample Locations (NAB1706053151)
- Figure 4 Confirmation Soil Sample Locations (NAB1706053151)
- Table 1Soil Sample Analytical Results (NAB1422341439)
- Table 2Soil Sample Analytical 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



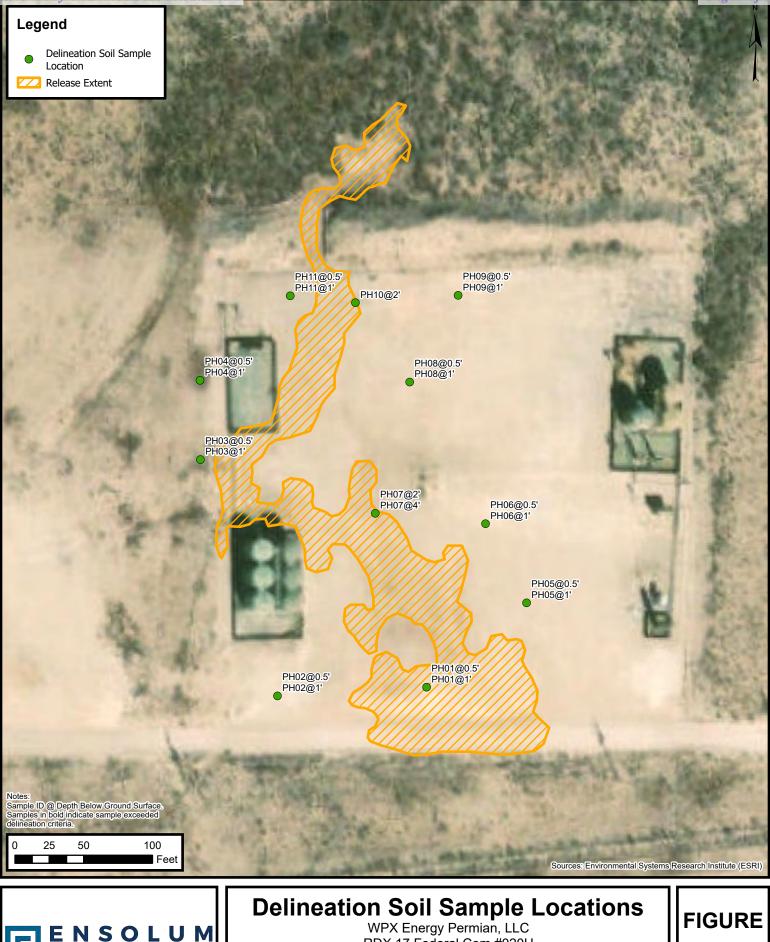
FIGURES

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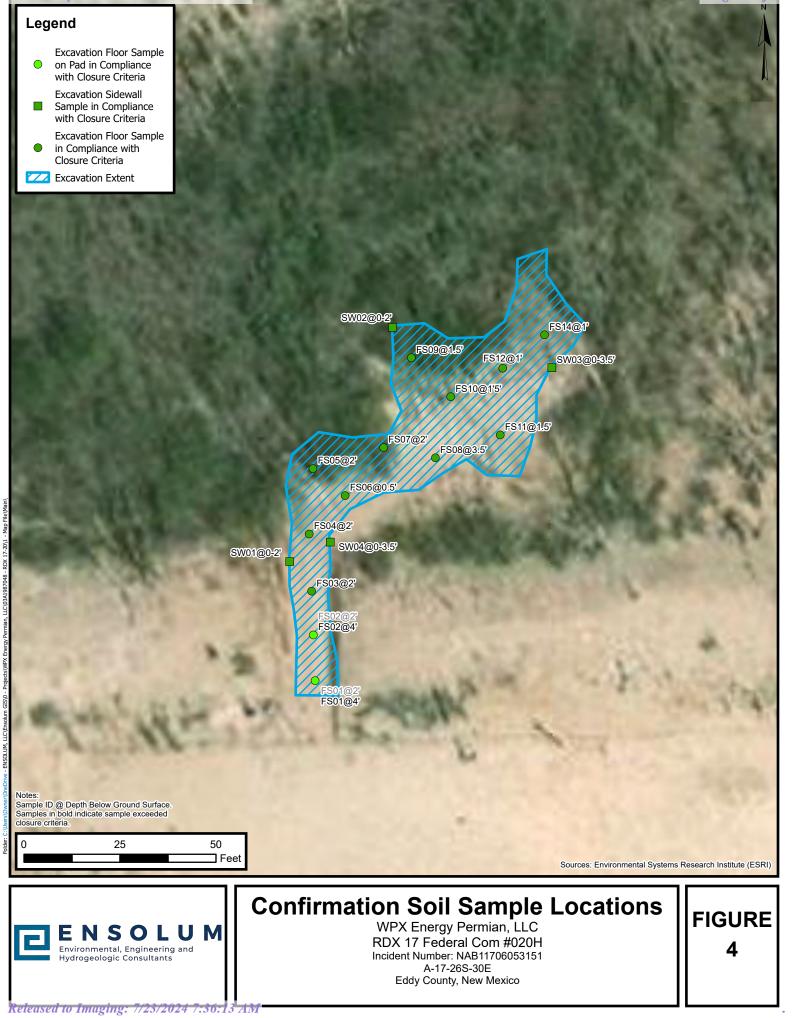
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WPX Energy Permian, LLC RDX 17 Federal Com #020H Incident Number: NAB11706053151 A-17-26S-30E Eddy County, New Mexico

Environmental, Engineering and

Hydrogeologic Consultants





TABLES

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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
				Deline	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.

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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	vation Soil Sample A	nalytical Results			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:

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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.

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APPENDIX A

Form C-141

District 1 G25 N. French Dr., Hobbs, NM 88240 State of New Mexico Finarral State of New Mexico	
District II Energy Minerals and Natural Resources AUG 05 2014 II S. First St., Artesia, NM 88210	Form C-14 J Revised August 8, 2011
District III 000 Rio Brazos Road, Aztec, NM 87410 Oil Conservation Division	o appropriate District Office in ardance with 19.15.29 NMAC.
Santa Fe, MM 87505	
Release Notification and Corrective Action	_
HB/47_23/1431 OPERATOR Initial Name of Company: RKI E&P 34/03 × 9 Contact: Zack Laird – Sr. EHS Manager	Report Final Report
Address: 210 Park Ave. Ste. 900, OKC, OK 73102 Telephone No.: 405-987-2213 or 405-742-269	96
Facility Name: RDX Fed Com 17-20H Facility Type: Oil Well Pad	
Surface Owner: Federal Mineral Owner: Federal API No.:	30-015-41381
LOCATION OF RELEASE	
	County Eddy
A 17 26S 30E 330 North 790 East	Eddy
Latitude 32°02'56.25" N Longitude 103°53'50.70" W	
NATURE OF RELEASE	
Type of Release: Frac Fluid (fresh water w/ various chems) Volume of Release: 700Bbls Volume Re	ecovered: 698 Bbls
Source of Release; Frac Vendor Back-up Blender TubDate and Hour of Occurrence:Date and H07/28/14 - 1800hrs (estimated)07/30/14 -	lour of Discovery: 0800hrs
Was Immediate Notice Given? If YES, To Whom?	
Yes No Not Required N/A By Whom? Date and Hour	
Was a Watercourse Reached? If YES, Volume Impacting the Watercourse.	
$\Box Yes \boxtimes No \qquad N/A$	
Back-up blender isolation valve (check valve) is thought to have been leaking which allowed frac fluid to backflow fro back-up and overflow. The back-up blender was isolated and removed from service. The Frac Vendor, Weatherford investigating to determine specific causation and corrective action(s). The blender will not be placed back into service	l International, is currently
Back-up blender isolation valve (check valve) is thought to have been leaking which allowed frac fluid to backflow fro back-up and overflow. The back-up blender was isolated and removed from service. The Frac Vendor, Weatherford investigating to determine specific causation and corrective action(s). The blender will not be placed back into service adequately repaired. Describe Area Affected and Cleanup Action Taken.* Approximately 200 Bbls of released frac fluid was recovered from secondary containment while pumping and an add	l International, is currently e on an RKI job until
Describe Cause of Problem and Remedial Action Taken.* Back-up blender isolation valve (check valve) is thought to have been leaking which allowed frac fluid to backflow fro back-up and overflow. The back-up blender was isolated and removed from service. The Frac Vendor, Weatherford investigating to determine specific causation and corrective action(s). The blender will not be placed back into service adequately repaired. Describe Area Affected and Cleanup Action Taken.* Approximately 200 Bbls of released frac fluid was recovered from secondary containment while pumping and an add recovered from the well pad itself at the conclusion of pumping operations and demobilization of frac equipment. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursu regulations all operators are required to report and/or file certain release notifications and perform corrective actions for release should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for co federal, state, or local laws and/or regulations.	I International, is currently e on an RKI job until litional nearly 500 Bbls was liant to NMOCD rules and ases which may endanger eve the operator of liability surface water, human health mpliance with any other
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Released to Imaging: 7/23/2024 7:36:13 AM

eceivea by OCD: 6/21/202	State of New Mexico		Page 1 / 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?	If YES, for what reason(s) does the responsible pa Volume exceeded 25 bbls.	arty consider this a major release?				
	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	mail, 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>
OCD Only	
Received by:	Date:

Page 3

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
- 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.

	24 10:32:14 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.	required to report and/or file certain release notifications and per ment. The acceptance of a C-141 report by the OCD does not re- gate and remediate contamination that pose a threat to groundwa of a C-141 report does not relieve the operator of responsibility f 	elieve the operator of liability sh iter, surface water, human health for compliance with any other fe	ould their operations have or the environment. In
Signature:	Date: <u>05/10/</u>	/2023	
-		/ <u>2023</u> <u>575-689-7597</u>	

Received by OCD: 6/21/2024 10:32:14 AM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	nAB1422341439
District RP	
Facility ID	
Application ID	

Remediation Plan

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the 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 5

Page 6

Oil Conservation Division

Incident ID	nAB1422341439
District RP	
Facility ID	
Application ID	

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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.
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Facility Nar			. <u>.</u>					lo. 970 589 074 e: Well Pad	3			
Surface Ow				Тм	ineral Owne					API No	. 30- 015-413	81
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Unit Letter	Section	Township	Range	Feet fro	DISCATE No	UN U rth/South		Feet from the	East/Wes	t Line	County	
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			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>		Date and Hour: 2/10/2017– 2:22hrs MT If YES, Volume Impacting the Watercourse.					
			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				
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	centrations.	The excavation						off location will will submit a Cha				
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	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
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Date: 2/24/2 * Attach Addi		ets If Necess		10. 770-30	<u></u>		- 1-4 0			<u> </u>	21	RP-4132

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Received by OCD: 6/21/2024 10:32:14 AM

eceivea py OCD: 6/21/202	State of New Mexico				
orm 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 provide the responsible presponsible provide the responsible provide the respo				
	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>
OCD Only	
Received by:	Date:

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Oil Conservation Division

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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
- \square 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.

	10:32:14 AM State of New Mexico		Page 25 d
		Incident ID	nAB1706053151
age 4	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
public health or the environmen failed to adequately investigate addition, OCD acceptance of a and/or regulations.	quired to report and/or file certain release notifications and p nt. The acceptance of a C-141 report by the OCD does not r e and remediate contamination that pose a threat to groundwa C-141 report does not relieve the operator of responsibility Title: <u>EHS</u>	elieve the operator of liability sh ater, surface water, human health for compliance with any other fe	ould their operations have or the environment. In
Signatura	$D_{ata: 05/10}$	2023	
Signature:	Date: <u>05/10</u>	//2023	
-		<u>//2023</u> <u>575-689-7597</u>	
-			
-			
email: jim.raley@dvn.com OCD Only	Telephone:		

Received by OCD: 6/21/2024 10:32:14 AM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	nAB1706053151
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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Oil Conservation Division

Incident ID	nAB1706053151
District RP	
Facility ID	
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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**

201 101 12 15 1:58

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(Pl

www.ose.state.nm.us

	OSE POD NU	•	L NUMBER)			OSE FILE NUI	MBER(S)	· · · · · · · · · · · · · · · · · · ·	
I OI	C-4068 PC					C-4068			
GENERAL AND WELL LOCATION	WELL OWNE		Production, LLC			PHONE (OPT)	UNAL)		
TO	WELL OWN					CITY		STATE	ZIP
ELL	1		Center MD 35,			Tulsa		OK 74172	211
MO					2.02				
ANI	WELL		DE		onds 3.95 _N		REQUIRED: ONE TEN		
ML	LOCATIO (FROM GP	2.111	TTUDE				QUIRED: WGS 84		
NEF		LON	IGITUDE		9.23 W				
				STREET ADDRESS AND COMMON LANE	MARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
-	NW/4SW/4	4NW/4 Se	ction 16, Township	26S, Range 30 E, N.M.P.M.					
	LICENSE NU	MBER	NAME OF LICENSED	DRILLER			NAME OF WELL DRI	ILLING COMPANY	
1	1249 Jackie D. Atkins						Atkins Eng	ineering Associates, I	nc.
	DRILLING S	TARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIRS	ST ENCOUNTERED (FT)	
	5/11/2	2017	5/12/2017	n/a		125	nor	ne encountered	
			II		1	· · ·	STATIC WATER LEV	EL IN COMPLETED WE	LL (FT)
Z	COMPLETED	WELL IS:	ARTESIAN	DRY HOLE SHALLOW (UN	CONFINED)			n/a 🛌	
TIO	DRILLING FI	LUID:	AIR	MUD ADDITIVES - SI	ECIFY:		•	1.1	
CASING INFORMATION	DRILLING M		ROTARY	HAMMER CABLE TOOL	✓ OTHE	R - SPECIFY:	hollow stem	auger with air rota	ry
FOI		(feet bgl)	1	CASING MATERIAL AND/OR	1		a tanya		E' '''
U D	FROM	TO	BORE HOLE	GRADE		ASING	CASING INSIDE DIAM.	CASING WALL THICKNESS	SLOT SIZE
SIN	(tom	10	(inches)	(include each casing string, and note sections of screen)			(inches)	(inches)	(inches)
c A	0	125	±6.625	n/a		n/a	n/a	n/a 👘	n/a
2. DRILLING &								<u>.</u>	
TIN		•		· · · · · · · · · · · · · · · · · · ·				<	
RII									
2. I									
		-					L		I
_	DEPTH	(feet bgl)	BORE HOLE	LIST ANNÚLAR SEAL M			AMOUNT	METHO	
ANNULAR MATERIAL	FROM	то	DIAM. (inches)	GRAVEL PACK SIZE-RAN	GE BY INTE	RVAL	(cubic feet)	PLACEM	IENT
rer	n/a	n/a	n/a	n/a			n/a	n/a	
MA.									
AR									
NUL		•		····					
AN									
3.			-						
			· ·		<u> </u>	· · · · · · · · · · · · · · · · · · ·			
	OSE INTER	NAL USE	(1) (1) (1)					& LOG (Version 10/2	9/15)
	NUMBER	<u> </u>	HOPA	POD NUMBE	²		NUMBER	OO^{-}	
LOC	ATION	~""	> 20F	E 11/2 1.2.1			FXD	PAGE	1 OF 2

LOCATION

265. 30E.

10.1.3.1

ļ								
	DEPTH (I	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZO (attach supplemental sheets to fully describe all units)	NES BE	'ATER ARING? ES / NO)	YIEL WA BEA	AATED D FOR TER- RING S (gpm)
	0	5	5	white caliche small gravel	Y			
	5	20	15	light brown fine sand with small gravel	Y	*		——
	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		
Ŀ	90	110	20	fine reddish tan sandstone	Y			
VELJ	110	125	15	fine reddish sandstone with small layers of reddish clay	Y			
OF V					Y	N		
000					Y	N		——
IC L					- Y		<u></u>	
00	······				Y	N		
4. HYDROGEOLOGIC LOG OF WELL		•			Y	N		
206					Y	N		
	·				Y	N	र २३	
4, H					Y	N	100	- میں ایسانی کی ایسانی کی ایسانی کی ایسانی کی ایسانی کی ایسانی کی کردی کی کردی کی کردی کی کردی کی کردی کرد
		<u> </u>		· · · · · · · · · · · · · · · · · · ·	Y	N		
					Y	N	1 14 1 19	
					Y	N	n N	
					Y	N	1923 	
					Y	N	· · · · · · · · · · · · · · · · · · ·	and the second s
					Y	N		1000 - 2000 North
	METHOD U	SED TO ES	I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	DF WATER-BEARING STRATA:	TOTAL EST		(<u>5</u> ,2)	
			IR LIFT	BAILER OTHER - SPECIFY:	WELL YIEI	.D (gpm):	0.0	00
z	WELL TEST			CH A COPY OF DATA COLLECTED DURING WELL TESTING, II E, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN O	NCLUDING DIS			, ,
						ING PERIO	<i>J</i> D	
NOISL	MISCELLAN		ODMATION		VER THE TEST			
I; RIG SUPERVISIO	MISCELLAN		ORMATION: Log Bor	g adapted from Souder Miller & Associates oversight. Boring to ing advanced with combination of air rotary and hollow stem at ing not converted to well. Boring abandoned see plugging recor	determine pres	ence/abse	nce of wa	
TEST; RIG SUPERVISIO		I NEOUS INF	ORMATION: Log Bor Bor	adapted from Souder Miller & Associates oversight. Boring to ing advanced with combination of air rotary and hollow stem at	VER THE TEST determine pres iger tooling. No d.	ence/abse water en	nce of wa countered	1.
5. TEST; RIG SUPERVISIO	PRINT NAM	E(S) OF DF	ORMATION: Log Bor Bor	adapted from Souder Miller & Associates oversight. Boring to ing advanced with combination of air rotary and hollow stem at ing not converted to well. Boring abandoned see plugging recor	VER THE TEST determine pres iger tooling. No d.	ence/abse water en	nce of wa countered	1.
5. TEST; RIG SUPERV	PRINT NAM Guadalupe " THE UNDER CORRECT R	E(S) OF DF Lupe" Ley SIGNED H ECORD OF	ORMATION: Log Bor Bor RILL RIG SUPERV ba, Shane Eldridg EREBY CERTIFIE THE ABOVE DE	adapted from Souder Miller & Associates oversight. Boring to ing advanced with combination of air rotary and hollow stem at ing not converted to well. Boring abandoned see plugging recor	VER THE TEST determine pres iger tooling. No d. NSTRUCTION LIEF, THE FOR	o water en OTHER TH	nce of wa countered IAN LICE	I. INSEE:
TEST; RIG SUPERV	PRINT NAM Guadalupe " THE UNDER CORRECT R	E(S) OF DF Lupe" Ley ssigned H ecord of ermit Hoj	ORMATION: Log Bor Bor RILL RIG SUPERV ba, Shane Eldridg EREBY CERTIFIE THE ABOVE DE DER WITHIN 20	adapted from Souder Miller & Associates oversight. Boring to ing advanced with combination of air rotary and hollow stem as ing not converted to well. Boring abandoned see plugging recor /ISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CO ge ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BE SCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL DAYS AFTER COMPLETION OF WELL DRILLING: Jackie D. Atkins	VER THE TEST determine pres ager tooling. No d. INSTRUCTION	o water en OTHER TH	nce of wa countered IAN LICE	I. INSEE:
SIGNATURE 5. TEST; RIG SUPERV	PRINT NAM Guadalupe " THE UNDER CORRECT R	E(S) OF DF Lupe" Ley ssigned H ecord of ermit Hoj	ORMATION: Log Bor Bor RILL RIG SUPERV ba, Shane Eldridg EREBY CERTIFIE THE ABOVE DE DER WITHIN 20	adapted from Souder Miller & Associates oversight. Boring to ing advanced with combination of air rotary and hollow stem as ing not converted to well. Boring abandoned see plugging recor /ISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CO ge ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BE SCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL DAYS AFTER COMPLETION OF WELL DRILLING:	VER THE TEST determine pres ager tooling. No d. INSTRUCTION	ence/abse o water en OTHER TH EGOING IS	nce of wa countered IAN LICE	I. INSEE:
6. SIGNATURE 5. TEST; RIG SUPERV	PRINT NAM Guadalupe " THE UNDER CORRECT R AND THE PI	E(S) OF DF E(S) OF DF Lupe" Ley SIGNED H ECORD OF ERMIT HOI SIGNATU	ORMATION: Log Bor Bor RILL RIG SUPERV ba, Shane Eldridg EREBY CERTIFIE THE ABOVE DE DER WITHIN 20	adapted from Souder Miller & Associates oversight. Boring to ing advanced with combination of air rotary and hollow stem as ing not converted to well. Boring abandoned see plugging recor /ISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CO ge ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BEI SCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL DAYS AFTER COMPLETION OF WELL DRILLING: Jackie D. Atkins / PRINT SIGNEE NAME	VER THE TEST determine pres iger tooling. No d. DISTRUCTION LIEF, THE FORI RECORD WITH 5/1	orther the egoing is the sta	nce of wa countered IAN LICE S A TRUE TE ENGI	I. INSEE: AND NEER
0. SIGNATURE 5. TEST; RIG SUPERV	PRINT NAM Guadalupe " THE UNDER CORRECT R	E(S) OF DF E(S) OF DF Lupe" Ley SIGNED H ECORD OF ERMIT HOI SIGNATU	ORMATION: Log Bor Bor RILL RIG SUPERV ba, Shane Eldridg EREBY CERTIFIE THE ABOVE DE DER WITHIN 20	adapted from Souder Miller & Associates oversight. Boring to ing advanced with combination of air rotary and hollow stem as ing not converted to well. Boring abandoned see plugging recor /ISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CO ge ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BEI SCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL DAYS AFTER COMPLETION OF WELL DRILLING: Jackie D. Atkins / PRINT SIGNEE NAME	VER THE TEST determine pres iger tooling. No d. DISTRUCTION LIEF, THE FORI RECORD WITH 5/1 ELL RECORD d	orther the egoing is the sta	nce of wa countered IAN LICE S A TRUE TE ENGI	I. INSEE: AND NEER



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

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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

Released to Imaging: 7/23/2024 7:36:13 AM



APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: SS02 Date: 3/12/24
			NI	C		LU		Site Name: RDX 17 Federal Com #020H
				3				Incident Number: NAB1422341439
								Job Number: 03A1987048
		LITHOL	OGI	C / SOIL S	SAMPLIN	g log		Logged By: Israel Estrella Method: Backhoe
Coord	inates: 32	2.04905,	-103.8	39746				Hole Diameter: 3' Total Depth: 10'
Comments: Field screening conducted with HACH Chloride Test Strips and Peperformed with 1:4 dilution factor of soil to distilled water. No correction fac								
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 staining
D			N	SS02	1			
М	2,576		N	SS02	2	2	SP-SM	Sand/Silt - Dark brown, trace gravel, no odor no staining
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 Tatal	Dorth	- 10'
						iotai	Depth =	- 10



APPENDIX D

Photographic Log

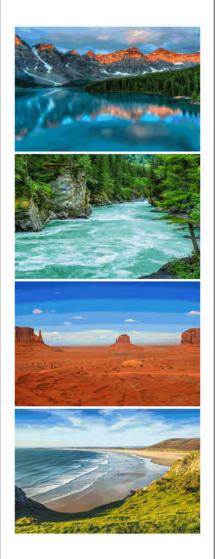




APPENDIX E

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

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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

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		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		03/19/24 13:13
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02-3'	E403133-01A	Soil	03/12/24	03/14/24	Glass Jar, 2 oz.
SS02-5'	E403133-02A	Soil	03/12/24	03/14/24	Glass Jar, 2 oz.
SS02-7'	E403133-03A	Soil	03/12/24	03/14/24	Glass Jar, 2 oz.

C

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

	S	ample D	ata			
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name Project Numł Project Mana	ber: 0105	K 17 #20 58-0007 ley Giovengo			Reported: 3/19/2024 1:13:27PM
		SS02-5'				
		E403133-02				
		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	
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	
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	Analys	t: 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	Analys	:: 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	

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



	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 Organics by EPA 8021B								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	ary 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
	Noi	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
Blank (2411110-BLK1)							Prepared: 0	3/14/24 A	nalyzed: 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	v 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

			••	J =					
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 3	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 10:32:14 AM

Page

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Alipat. Encolim

	ue by:				Bill To					_	se On						AT	EPA P	rogram
Project:	RDX 17 #2	and the second second			Attention: Jim Raley		Lab V E4	NO#		2	I dol			1D	2D	3D	Standard	CWA	SDWA
	Aanager: Ash				Address: 5315 Buena Vista Dr		EY	03	13:	5	010	50	-0007				x		
	3122 Nation				City, State, Zip: Carlsbad NM, 8	8220					Analy	sis a	nd Metho	d	-				RCRA
the second s	e, Zip: Carlsb		8220		Phone: (575)689-7597			Vd C								1			
	575-988-0055		1.2.1		Email: jim.raley@dvn.com			/OR(State	
	giovengo@en	solum.co	m		-			DRO/	21	60	0	0.00		MN	8	¥	NM CC	UT AZ	TX
Report d	ue by:			T		1		RO/I	y 80	y 82	603	de 30		10.00			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	C IIII	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	i
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				_	_						-	_			
	/							-		_		-		-	-				
			_					-	-					-	-	-			
	(:				-		_	_					-					
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Addition	al Instruction	s. Pleas	e CC: chi	urton@ensolu	m.com, agiovengo@ensolum.com, ji	m ralev@du		cha	milto	n@		Jur		trol	1200	Incolu	m.com	_	-
		1000			n aware that tampering with or intentionally mislab			, cha		_							eceived on ice the d	ay they are sam	pled or
late or time	of collection is con	sidered frau	d and may b	e grounds for legal	action. Sampled by: Israel Estrella				_		receive	d pack	ked in ice at an	avg t	emp abo	ove 0 but	less than 6 °C on su	bsequent days.	
~	ed by: (Signature	X			5:35 Michelle Curle	Date 3-13-	24	Time 1C	02		Rece	eived	d on ice:		D/ I	se Or V	nly		
Relinquishe	ed by: (Signature M ed by: (Signature	h	Date ?-		530 A.M.	3.13	.24	Time 17	200		<u>T1</u>			-	-		<u>T3</u>		
Relinduishe	ed by: (Signature))Y	Date 3.	13.24 Z	300 Received by: (Signature)	Date 314			00		100.00		np °C_ L	f					
	rix: S - Soil, Sd - Sol												c, ag - amb						
					ess other arrangements are made. Hazardou									t exp	ense.	The re	eport for the an	alysis of the	above
ampies is	applicable only to	o mose san	ihies receiv	eu by the labora	tory with this COC. The liability of the laborate	ny is innited to t	ine amo	unt p	ald to	on	ine re	port.							

9. Was the sample(s) received intact, i.e., not broken?

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

10. Were custody/security seals present?

minutes of sampling

11. If yes, were custody/security seals intact?

Envirotech Analytical Laboratory

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

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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)		
<u>Chain o</u>	f Custody (COC)					
1. Does	the sample ID match the COC?		Ycs			
2. Does	the number of samples per sampling site lo	cation match the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was ti	he COC complete, i.e., signatures, dates/tir	nes, requested analyses?	No			
5. Were	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be i.e, 15 minute hold time, are not included in t				Commen	its/Resolution
Sample	<u>Turn Around Time (TAT)</u>					600 · · · · ·
6. Did th	he COC indicate standard TAT, or Expedite	d TAT?	Yes	Clier	it name was not or	n COC. Added
Sample	Cooler			Enso	lum on COC as cl	ient per Lynn per
7. Was a	sample cooler received?		Yes	text	nessage	
8. If yes	, was cooler received in good condition?		Yes			

Yes

No

NA

Yes

13. If no visible ice, record the temperature. Actual sample temperature: 4°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 Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Yes Date/Time Collected? Yes Collectors name? Yes Sample Preservation 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 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory No 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract laboratory specified by the client and if so who? NA

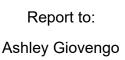
Ensolum on COC as client per Lynn per text message

Subcontract Lab: NA

Date

Client Instruction

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





5796 U.S. Hwy 64 Farmington, NM 87401

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





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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

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		Sample Sum	mary		
Ensolum, LLC 3122 National Parks Hwy		Project Name: Project Number:	RDX 17 #20 01058-0007		Reported:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		03/22/24 10:32
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container

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.



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envirotech Inc.

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	\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	





	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: EG		Batch: 2411110
ND	0.0250	1	03/14/24	03/19/24	
ND	0.0250	1	03/14/24	03/19/24	
ND	0.0250	1	03/14/24	03/19/24	
ND	0.0250	1	03/14/24	03/19/24	
ND	0.0500	1	03/14/24	03/19/24	
ND	0.0250	1	03/14/24	03/19/24	
	95.3 %	70-130	03/14/24	03/19/24	
mg/kg	mg/kg	Analy	vst: EG		Batch: 2411110
ND	20.0	1	03/14/24	03/19/24	
	93.6 %	70-130	03/14/24	03/19/24	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2411130
ND	25.0	1	03/15/24	03/16/24	
ND	50.0	1	03/15/24	03/16/24	
	86.0 %	50-200	03/15/24	03/16/24	
mg/kg	mg/kg	Analy	vst: IY		Batch: 2412009
385	40.0	2	03/18/24	03/19/24	
	mg/kg ND ND ND ND ND mg/kg ND mg/kg ND ND	mg/kg mg/kg ND 0.0250 95.3 % mg/kg Mg/kg Mg/kg ND 20.0 93.6 % 93.6 % MD 25.0 ND 25.0 ND 50.0 86.0 % 86.0 %	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 MD 0.0250 1 MD 20.0 1 MD 20.0 1 MD 20.0 1 MD 25.0 1 ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 03/14/24 MD 0.0250 1 03/14/24 MD 20.0 1 03/14/24 MD 20.0 1 03/14/24 MD 20.0 1 03/14/24 MD 20.0 1 03/14/24 MD 25.0 1 03/15/24 ND 25.0 1 03/15/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG 03/14/24 03/19/24 ND 0.0250 1 03/14/24 03/19/24 mg/kg mg/kg Analyst: EG 03/19/24 MD 20.0 1 03/14/24 03/19/24 MD 20.0 1 03/14/24 03/19/24 mg/kg mg/kg Analyst: KM 03/19/24 ND 25.



QC Summary Data

		VC D		ii y Data					
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		Reporting Limit	Spike	Source		Rec Limits	RPD	RPD	
	Result mg/kg	mg/kg	Level mg/kg	Result mg/kg	Rec %	2 Minus	%	Limit %	Notes
							D 10	2/14/24	1 1 02/19/24
Blank (2411110-BLK1)							Prepared: 0	3/14/24 P	analyzed: 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		8.00		94.2	70-130			
LCS (2411110-BS1)							Prepared: 0	3/14/24 A	analyzed: 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			
Foluene	4.95	0.0250	5.00		99.0	70-130			
o-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		8.00		94.4	70-130			
Matrix Spike (2411110-MS1)				Source:	E403125-	04	Prepared: 0	3/14/24 A	analyzed: 03/18/24
Benzene	4.92	0.0250	5.00	ND	98.3	54-133			
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		8.00		93.4	70-130			
Matrix Spike Dup (2411110-MSD1)				Source:	E403125-	04	Prepared: 0	3/14/24 A	analyzed: 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	
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00						



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 S	umm	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: 3/22/2024 10:32:20AM
	Nonh	alogenated Org	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 (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: E4	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

			••	J =					
Ensolum, LLC 3122 National Parks Hwy		Project Name: Project Number		DX 17 #20 1058-0007					Reported:
Carlsbad NM, 88220		Project Manager	: А	shley Gioveng	<u>go</u>				3/22/2024 10:32:20AM
		Anions	by EPA 3	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

	nt: Ens							II To					ab Use	_					TA	_		EPA P	rogram
oject:	RDX 17 #				-		ttention: Jim Raley				WQ#	217	11	lob	Numbe	r	1D	2D	3D	St	andard	CWA	SDWA
1. A. 17 A. 1994 11	Manager: Ash		1		-		s: 5315 Buena								58-0	100					x		
	3122 Nationa				-			bad NM, 8822	20	1			A	naly	sis and	Metho	d			1	ms -		RCRA
	te, Zip: Carlsb	ad NM, 8	8220		-		(575)689-759				0 by			11							lan al		
	575-988-0055	calum ca			-	Email: j	jim.raley@dv	n.com			N/OR						-				NINAL CO.	State	TV
	giovengo@en lue by:	solum.co	m		-						DRO	021	560	10	300.0		NN		¥	11	NM CO	UT AZ	TX
Time			No. of	c 1 10	1				Lab		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3		BGDOC				×		
ampled	Date Sampled	Matrix	Containers	Sample ID					Number		TPH (8015	BTE	Voo	Met	Chlo	-	BGL		GDOC	_		Remarks	
11:33	3/12/2024	Soil	1			SSC)2 - 9'		1								x				Run only i	SSO2 - 7' is >60	00cl 100 TPH
11:37	3/12/2024	Soil	1			SSO:	2 - 10'		2								x				Run only I	SSO2 - 7' is >60	Doci 100 TPH
		1.0																					
												-	-	-		-	-	-		-			
												_	-	_				-		-			
dditio	nal Instruction	s: Pleas	se CC: cb	urton@ensol	um.co	om, agiov	vengo@ensol	um.com, jim.	raley@dvr	.com	n, cha	milt	on@e	enso	olum.c	om, ies	strella	a@er	nsolu	m.co	om		
	pler), attest to the	and the second							g the sample lo	ocation,											on ice the day an 6 °C on sub		pled or
	e of collection is cor ed by: (Signature		Date				eived by: (Signat	() Israel Estrella	Date	1	Time		-	-				_	e On				
-	222		3/	13/24		55 M	Michele (and	3-13-	24	10	02	F	Rece	eived o	n ice:)/ N		i y			
Auc	ed by: (Signature	L	Date 3-	1324 1	230) Rec	eived by: (Signat	ure) Y	Date .13	.7.4	Time	701		Г1			T2				ТЗ		
linquist	ed by: (Signature)Y	Date	Tim		Reci	eived by: (Signat	ure)	Date	11	Time	In			Temp	L	4						
A.	/ .	id Ca Stud		S FI	50	10 10	for		Containe	M	UT								VOA				
	trix: S - Soil, Sd - Sol ples are discarde				less of	ther arrang	ements are mad	e. Hazardous sa													for the ana	vsis of the	above
	applicable only t															shen	mpc			pare		, sis of the	
ples is	applicable only t	o those san	nples recei	ved by the labor	atory w	with this CC	JC. The liability c	t the laboratory i	s limited to t	ne am	ountp	baid fo	or on t	ne re	port.						ro		

Envirotech Analytical Laboratory

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

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envirotech Inc.

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Sample Receipt Checklist (SRC)

lient:	Ensolum, LLC	Date Received:	03/14/24 08	3:00	Work Order ID:	E403134
Phone:	(575) 988-0055	Date Logged In:	03/13/24 17	7:40	Logged In By:	Alexa Michaels
Email:	a.giovengo@ensolum.com	Due Date:	03/20/24 17	7:00 (4 day TAT)		
Chain o	f Custody (COC)					
	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location ma	tch the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	<u>ourier</u>	
4. Was tl	he COC complete, i.e., signatures, dates/times, reque	sted analyses?	No			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes		Client name was not or	
Sample					Ensolum on COC as cl	
	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. Were	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 Note: Thermal preservation is not required, if samples as minutes of sampling o visible ice, record the temperature. Actual sample	re received w/i 15	Yes ° <u>C</u>			
Sample	Container					
14. Are	aqueous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is th	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers		Yes			
19. Is the	e appropriate volume/weight or number of sample contai	ners collected?	Yes			
Field La						
	e field sample labels filled out with the minimum inf	ormation:	Yes			
	Sample ID? Date/Time Collected?		Yes	ĺ		
	Collectors name?		Yes			
<u>Sample</u>	Preservation					
21. Doe	s the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is la	b filteration required and/or requested for dissolved r	netals?	No			
<u>Multiph</u>	nase Sample Matrix					
26. Doe:	s the sample have more than one phase, i.e., multipha	ase?	No			
27. If ye	es, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcon	tract Laboratory					
	samples required to get sent to a subcontract laborate	ory?	No			
	a subcontract laboratory specified by the client and i		NA	Subcontract Lab	: 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

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32:14 AM		Sample Summary Project Name: RDX 17 #20	Page 67 of 89
	Sample Sum	mary	
	Project Name:	RDX 17 #20	Derected
	Project Number:	01058-0007	Reported:

Ensolum, LLC 3122 National Parks Hwy		Project Name: Project Number:	RDX 17 #20 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
Client Sample ID FS01-4'	E403142-01A	Matrix Soil	Sampled 03/13/24	Received 03/15/24	Container Glass Jar, 2 oz.



	~	umpic D	uuu				
Ensolum, LLC	Project Name	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		
oluene	ND	0.0250	1	03/15/24	03/19/24		
-Xylene	ND	0.0250	1	03/15/24	03/19/24		
,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	Analyst: 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		
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Analyst: 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



Anions by EPA 300.0/9056A

Chloride

	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: 3/20/2024 1:32:41PM		
		FS02-4'				
		E403142-02				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: 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	A	nalyst: 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	A	nalyst: 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	
Surrogate: n-Nonane		74.8 %	50-200	03/18/24	03/19/24	

mg/kg

20.0

Analyst: IY

1

03/18/24

03/20/24

mg/kg

1460



Batch: 2412021

QC Summary Data

		QC DI		ing Duc					
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 b	oy EPA 802	21B				Analyst: EG
Analyte	D k	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	Result mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2411141-BLK1)							Prepared: 0	3/15/24 A	Analyzed: 03/19/24
	ND	0.0250					rieparea o	0/10/211	inal j 2001 00/ 19/2 1
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500 0.0250							
Total Xylenes Surrogate: 4-Bromochlorobenzene-PID	7.57	0.0250	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	0.0250	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			
p-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	
o-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	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00						



QC Summary Data

		QC B	uIIIII	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
	No	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: 0.	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: 0.	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: H	E 403140- 1	10	Prepared: 0.	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: F	E 403140- 1	10	Prepared: 0.	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: E4	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 10:32:14 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

_		_ • • - • - •		
Γ	Ensolum, LLC	Project Name:	RDX 17 #20	
	3122 National Parks Hwy	Project Number:	01058-0007	Reported:
	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 Allost: Each

Received by OCD: 6/21/2024 10:32:14 AM

Allant. Encoluse

Report	due by:				•	Bill To			1	Lab U	se O	nly		1		TA	т	EP	A Pro	gram
Project						Attention: Jim Raley		Lab W E 40	0#	-	Job	Num	ber	1D	2D	3D	Standa	rd CW	A	SDWA
	Manager: Ash					ddress: 5315 Buena Vista Dr		E 40	314	2	010	158	-0007				х			
	s: 3122 Nation					City, State, Zip: Carlsbad NM, 882	20				Anal	ysis ar	d Metho	d						RCRA
A CONTRACTOR OF THE OWNER OF THE	ate, Zip: Carlsb		8220		<u>P</u>	hone: (575)689-7597		by l					1	1				1		
	575-988-0055				<u>E</u>	mail: jim.raley@dvn.com		ORO										Stat		
	agiovengo@en	isolum.co	m		_			DRO/	8021	0	0	300.0		WN		¥	NM	CO UT	AZ	TX
	due by:				1			30/1	y 80	8260	601	le 30					×			
Time Sample	Date Sampled	Matrix	No. of Containers	Sample ID)		Lab Number	TPH GRO/DRO/ORO by	8015 BTEX by 8	voc by	Metals 6010	Chloride		BGDOC		GDOC		Rema	arks	
11:06	3/13/2024	Soil	1			FS01 - 4'	1							x						
11:08	3/13/2024	Soil	1			FS02 - 4'	2							x					_	
_									-	_										
							5		+	-	-									
									+	-	-		-	-		-	-			
									+	+	-			-						
		-							+	-	-									
									+	+	-			-						
									+	-	-	-		-						
Additio	nal Instruction	is: Pleas	e CC: cbi	urton@en	solum.con	n, agiovengo@ensolum.com, jim	.ralev@dvr	1.com. (hami	lton@	@ens	olum	.com. ies	trell	a@er	nsolu	m.com		_	
						hat tampering with or intentionally mislabellin												he day they are	e sample	ed or
ate or ti	ne of collection is cor	nsidered frau	d and may b	e grounds for	legal action.	Sampled by: Israel Estrella				_	receiv	ed packe	d in ice at an	avg ten	np abov	e 0 but l	ess than 6 °C c	n subsequent o	days.	
<	hed by: (Signature	-fe		14/24	Time 9=[5	Received by: (Signature)	Date	H	ne 091	15	Rec	eived	on ice:	G	1	e Onl	У		-	1
Mi	hed by: (Signature	inte		14-24	IS30	Received by: (Signature)	3/15/	24 7	104	5	T1			<u>T2</u>		-	<u>T3</u>			
telinqui	hed by: (Signature	.)	Date		Time	Received by: (Signature)	Date	Tir	ne		_	6 Tem		-						
	atrix: S - Soil, Sd - Sol						Containe											-		
lote: Sa	nples are discarde					r arrangements are made. Hazardous san the hazardous san the hazardous san the haber at the habe							t the clien	t expe	nse.	The re	port for the	analysis of	the at	oove

Envirotech Analytical Laboratory

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

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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: Ense	colum, LLC	Date Received:	03/15/24 06:45	Work Order ID:	E403142			
•			03/14/24 17:39 03/21/24 17:00 (4 day TAT)	Logged In By:	Alexa Michaels			

Chain of Custody (COC)

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: <u>Courier</u>
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 12. If an unicide in a spaced the temperature Actual sample temperature 4°C 	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: $4^{\circ}C$		
Sample Container	No	
14. Are aqueous VOC samples present?	NA	
15. Are VOC samples collected in VOA Vials?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	
Sample Preservation		
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	
<u>Multiphase Sample Matrix</u>		
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
Client Instruction		

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

Date

envirotech Inc.



APPENDIX F

NMOCD Notifications

Released to Imaging: 7/23/2024 7:36:13 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

QUESTIONS

Page 78 bf 82

Action 321968

QUESTIONS

Operator: 0	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

Prerequisites	
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

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

CONDITIONS

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

CONDITIONS

Cre By	ated	Condition	Condition Date
jra	aley	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

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.

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 **Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 356608

QUESTIONS	
Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356608
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

State of New Mexico

QUESTIONS

Prerequisites	
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

Please answer all the questions in this group.	
Site Name	RDX 17 FEDERAL COM #020H
Date Release Discovered	02/10/2017
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	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Cause: Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 400 BBL Recovered: 100 BBL Lost: 300 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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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 356608

QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356608
	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	afety 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.
	ation 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 valuation 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

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District III

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District IV

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

QUESTIONS, Page 3

Action 356608

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QUESTIONS (continued)

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356608
	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 ar	d 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

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District IV

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

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Action 356608

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QUESTIONS (continued)	
Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	356608
	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

In pereop certury 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 acco	ordance with the physical realities encountered during remediation. If the responsible party has any need to

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 356608

QUESTIONS (continued) Operator: OGRID: WPX Energy Permian, LLC 246289 Devon Energy - Regulatory Action Number: Oklahoma City, OK 73102 356608 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

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QUESTIONS (continued)		
Operator:	OGRID:	
WPX Energy Permian, LLC	246289	
Devon Energy - Regulatory	Action Number:	
Oklahoma City, OK 73102	356608	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	321968
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2024
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	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)	Soil 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 relea the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 repor	knowledge and understand that pursuant to OCD rules and regulations all operators are required ses 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 fally 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
I hereby agree and sign off to the above statement	Title: EHS Professional
Theory agree and sign on to the above statement	Email: jim.raley@dvn.com
	Date: 06/21/2024

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Action 356608

QUESTIONS (continued)	
Operator: WPX Energy Permian, LLC	OGRID: 246289
Devon Energy - Regulatory Oklahoma City, OK 73102	Action Number: 356608
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Reclamation Report	

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

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CONDITIONS

Action 356608

CONDITIONS Operator: OGRID: WPX Energy Permian, LLC 246289 Devon Energy - Regulatory Action Number: Oklahoma City, OK 73102 356608 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