



February 4, 2025

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Reclamation Report
Rustler Breaks East Loop Water Line
Incident Number nAPP2418024950
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of San Mateo RB Pipeline, LLC (San Mateo), has prepared the following *Reclamation Report* for the Rustler Breaks East Loop Water Line (Site). The *Reclamation Report* documents the Site history and reclamation activities completed to date.

BACKGROUND

The Site is located in Unit H, Section 02, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.33544°, -104.05293°) and is associated with oil and gas exploration and production operations on State Trust Land managed by New Mexico State Land Office (NMSLO).

On June 27, 2024, an equipment failure on a saltwater transport pipeline occurred, resulting in the release of approximately 291 barrels (bbls) of produced water onto the pipeline right-of-way and adjacent pasture. A vacuum truck successfully recovered 43 bbls of produced water. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via on the NMOCD Portal June 28, 2024, and submitted a Release Notification Form C-141 (Form C-141) on June 28, 2024. The release was assigned Incident Number nAPP2418024950.

Delineation and excavation of impacted soil was completed at the Site in September 2024. Based on the delineation and excavation soil sample analytical results, a *Closure Request* was submitted to the NMOCD on October 16, 2024. The NMOCD as of February 3, 2025, has yet to approve the *Closure Request*. Additional details regarding the release, Site Characterization, delineation and excavation activities, and soil sample analytical results can be referenced in the *Closure Request* attached as Appendix A. Remediation of the release was completed in accordance with Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC).

RECLAMATION ACTIVITIES

The excavation area measured approximately 39,600 square feet. A total of approximately 8,000 cubic yards of impacted soil were removed during the excavation activities. Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled, and the area was graded and contoured to match the surrounding topography. The excavation area was backfilled with locally procured caliche to 1-foot below ground surface (bgs) and locally sourced topsoil was used

San Mateo RB Pipeline, LLC
Reclamation Report
Rustler Breaks East Loop Water Line

for ground surface to 1-foot bgs, consistent with the surrounding native soil type. The excavation extent and reclamation area are depicted on the attached Figure 1. Photographic documentation is included in Appendix B.

One representative 5-point composite sample (BF01) was collected from the caliche backfill material. One representative 5-point composite sample (BF02) was collected from the topsoil backfill material. The backfill soil samples were transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents of concern (COCs): benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United States Environmental Protection Agency (EPA) Method 8021B; total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for the backfill soil samples confirmed compliance with NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 milligrams per kilogram (mg/kg) and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached Table 1 and the complete laboratory analytical report is included as Appendix C.

The disturbed pasture area was seeded on October 8, 2024, with the James H & Betty Howell Trust Mix.

Species/Cultivar	PLS/Acre
Bristlegrass Plains (<i>Setaria vuliseta</i>)	4.75
Buffalograss, "Texoka" Primed KNO3 (<i>Bouteloua dactyloides</i>)	3.69
Plains bristlegrass (<i>Setaria macrostachya</i>)	3.57
Foxtail Millet "White Wonder" (<i>Setaria italica</i>)	4.70
Gramma, Blue (<i>Bouteloua gracilis</i>)	8.42
Grama, Sideoats "El Reno" (<i>Bouteloua curtipendula</i>)	5.53
Kleingrass, "Selection75" (<i>Panicum coloratum</i>)	2.76
Ryegrass Annual, "Gulf" (<i>Lolium multiflorum</i>)	14.31
Wheatgrass, Western (<i>Pascopyrum smithii</i>)	3.65

The seed mix was doubled and distributed with a broadcast seed spreader and harrowed in. Photographs of the backfilled excavation and seeding of the reclaimed area are provided in Appendix B.

VEGETATION MONITORING

The Site will be monitored for vegetation growth to verify reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the BLM seed mix will be applied.

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Rustler Breaks East Loop Water Line

- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicators or mechanically/physically removed.

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

RECLAMATION APPROVAL REQUEST

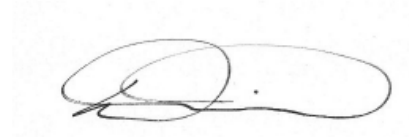
Based on the reclamation activities completed to date and proposed vegetation monitoring plan described above, San Mateo respectfully requests approval of this *Reclamation Report* and a status update to *Reclamation Report Approved, Pending submission of Re-Vegetation Report* for Incident Number nAPP2418024950.

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

cc: NMSLO
Matador Production Company


Appendices:

Figure 1	Excavation Extent / Reclamation Area
Table 1	Backfill Soil Sample Analytical Results
Appendix A	Closure Request Report: Dated October 16, 2024
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Report & Chain of Custody Documentation



FIGURES

Legend

 Excavation Extent/
Reclamation Area



Notes:
Sample ID @ Depth Below Ground Surface.

0 15 30 60 90 120
Feet

Sources: Environmental Systems Research Institute (ESRI)



Excavation Extent/Reclamation Area

San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
Incident Number: nAPP2418024950
Unit H, Section 02, Township 23S, Range 28E
Eddy County, New Mexico

FIGURE

1



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rustler Breaks East Loop Water Line
 San Mateo RB Pipeline, LLC
 Eddy County, New Mexico

Sample Designation	Date	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)
Reclamation Requirement (NMAC 19.15.29.13)			10	50	NE	NE	NE	1,000	2,500	20,000
Backfill Soil Samples										
BF01	1/6/2025	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BF02	1/6/2025	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	154

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Closure Request Report: Dated October 16, 2024



October 16, 2024

New Mexico Energy Minerals and Natural Resources Department

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

**Re: Closure Request
Rustler Breaks East Loop Water Line
Incident Number nAPP2418024950
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of San Mateo RB Pipeline, LLC (San Mateo), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Rustler Breaks East Loop Water Line (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water onto the pipeline right-of-way and adjacent pasture. Based on field observations, field screening activities, and soil sample laboratory analytical results, San Mateo is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2418024950.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit H, Section 02, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.33544°, -104.05293°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (NMSLO).

On June 27, 2024, an equipment failure on a saltwater transport pipeline occurred, resulting in the release of approximately 291 barrels (bbls) of produced water onto the pipeline right-of-way and adjacent pasture. A vacuum truck successfully recovered 43 bbls of produced water. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via on the NMOCD Portal June 28, 2024, and submitted a Release Notification Form C-141 (Form C-141) on June 28, 2024. The release was assigned Incident Number nAPP2418024950. The Form C-141 can be referenced on the NMOCD Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess 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 the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, C 04609 POD 1, located approximately 0.5 miles northeast of the Site. The well had a reported depth to groundwater greater than 51 feet below ground surface (bgs) and a total depth of 51 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 568 feet northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). 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: 10,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off-pad area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT ACTIVITIES

On June 27, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. On July 9, 2024, July 31, 2024, and August 1, 2024, Ensolum personnel returned to the Site to determine the lateral and vertical extent of the release area. Eight preliminary soil samples (SS01 through SS08) were collected around the release extent at ground surface to assess the lateral extent of the impacted area. Six boreholes (BH01 through BH06) were advanced to depths ranging from 3 feet to 13 feet bgs within the release extent to assess the vertical extent of affected soil. The preliminary soil samples were field screened for chloride utilizing Hatch® Chloride QuanTab® Test Strips. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. A photographic log of field activities is presented in Appendix B. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental

Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Prior to beginning excavation activities at the Site, an archaeological survey was completed. The survey determined the release area was negative for cultural properties, and as such, the Cultural Properties Protection Rule (CPP) has been followed (see Appendix D).

Beginning on September 4, 2024, impacted soil was excavated. Excavation activities were performed using two tracked excavators, hydro-vac, front loader, and belly dump trucks. The excavation occurred on the north side of the lined secondary tank containment and around associated production equipment. To direct excavation activities, Ensolum personnel screened soil for chloride utilizing Hach® chloride QuanTab® test strips and for TPH utilizing a PetroFLAG® soil analyzer system.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples from the floor and sidewalls of the excavation. A confirmation sampling variance request was emailed to NMOCD on August 7, 2024, and approved by Nelson Velez of the NMOCD on August 7, 2024, to increase the sampling area to every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation, where applicable. 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. Composite soil samples (FS01 through FS99) were collected from the floor of the excavation ranging from 4 feet to 5 feet bgs. Composite soil samples SW01 through SW24 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs to assess the root zone for future revegetation purposes. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 39,600 square feet. A total of approximately 8,000 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples (SS01 through SS08) were all in compliance with the Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I at ground surface. Laboratory analytical results for boreholes (BH01 through BH06) indicated chloride exceeded the Closure Criteria in boreholes BH01 through BH04 at the ground surface. Waste containing soil was present in all six boreholes in the top 4 feet. Laboratory analytical results for borehole BH01 indicated COCs were in compliance with the strictest Closure Criteria per NMOCD Table I at 13 feet bgs, 12 feet bgs in BH02, 10 feet bgs in BH05, and 6 feet bgs in BH06.

Laboratory analytical results for excavation floor soil samples (FS01 through FS99) at depths ranging from 4 feet to 5 feet bgs and sidewall samples (SW01 through SW38) at depths ranging from ground surface to 4 feet bgs indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results are summarized in Tables 1, 2, and 3 and the complete laboratory analytical reports are included as Appendix E.

RECLAMATION PLAN

Portions of the release occurred off pad in the pasture, and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH were applied to the top 4 feet of the subsurface that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan proposes reclamation of the excavated area:

- The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade. Approximately 1-foot of topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;
- Soil in the vicinity of the release includes: Simona-Bippus complex, 0 to 5 percent slopes according to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey completed on August 19, 2024;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the NMSLO to meet reclamation standards for this region, which will be: NMSLO Sandy Loam (SL) Mixture;
- The seed mixture will be distributed with either a push broadcaster seed spreader, tractor operated broadcast seed spreader, drill seeding, or other means;
- Application of the seed mixture will be at a coverage of 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method;
- Erosion control management is not anticipated, but if needed, will potentially include:
 - The placement of wattles in areas with a propensity for high run-off rates;
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
 - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Seeding is anticipated to be completed in the Spring when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost. NMSLO has recognized the optimal time to seed is between July and early September, which will be adhered to for this Site;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Fall to assess the success of regrowth. If necessary, an additional application of the NMSLO-approved pure live seed mixture will be applied as well as any needed BMPs will be installed to support growth and limit erosion;
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the June 2024 release of produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

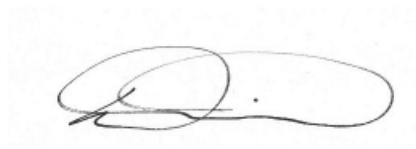
Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 51 feet bgs and no other sensitive receptors were identified near the release extent. San Mateo believes these remedial actions are protective of human health, the environment, and groundwater. As such, San Mateo respectfully requests closure for Incident Number nAPP2418024950.

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

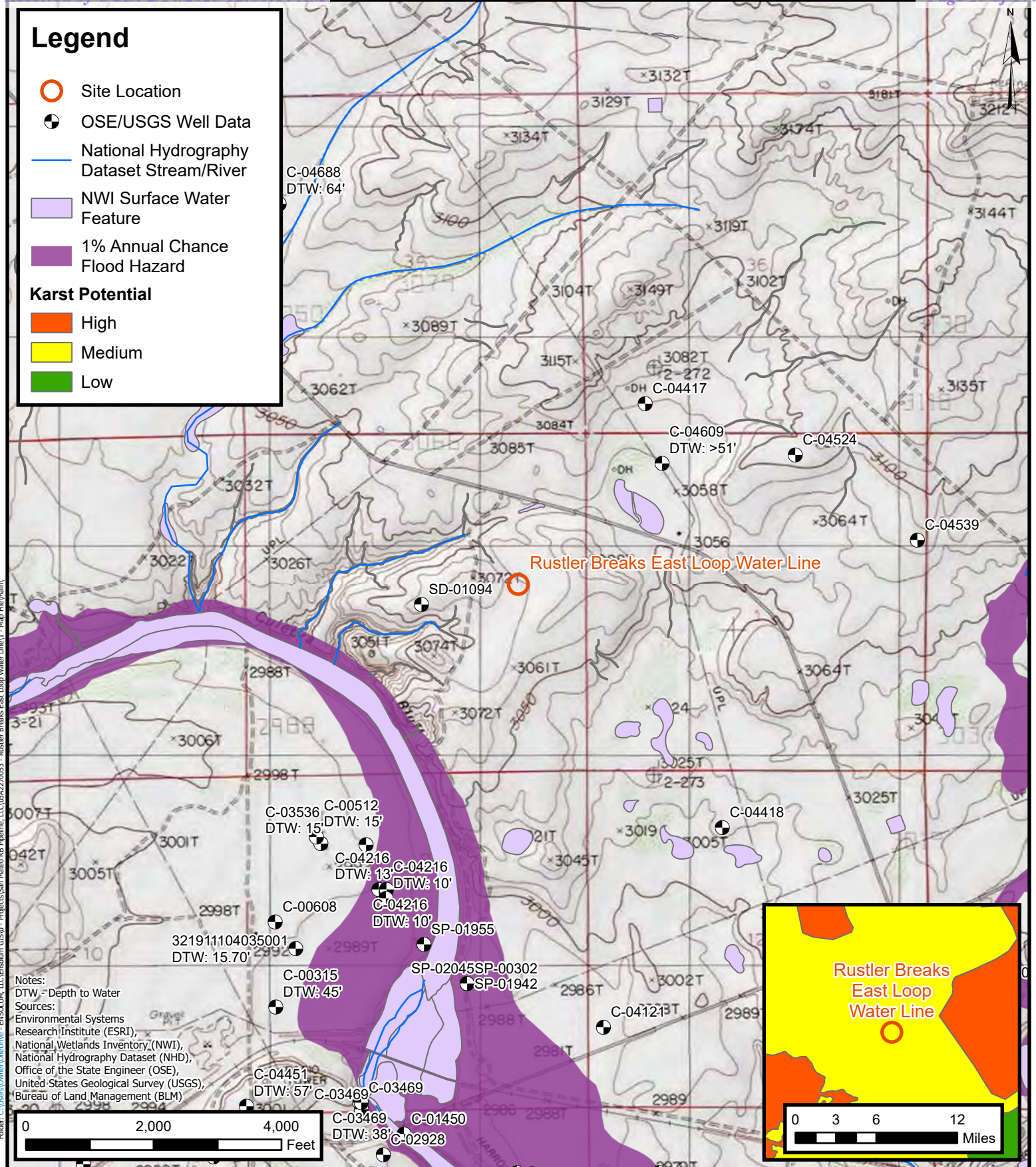
cc: NMSLO
Matador Production Company

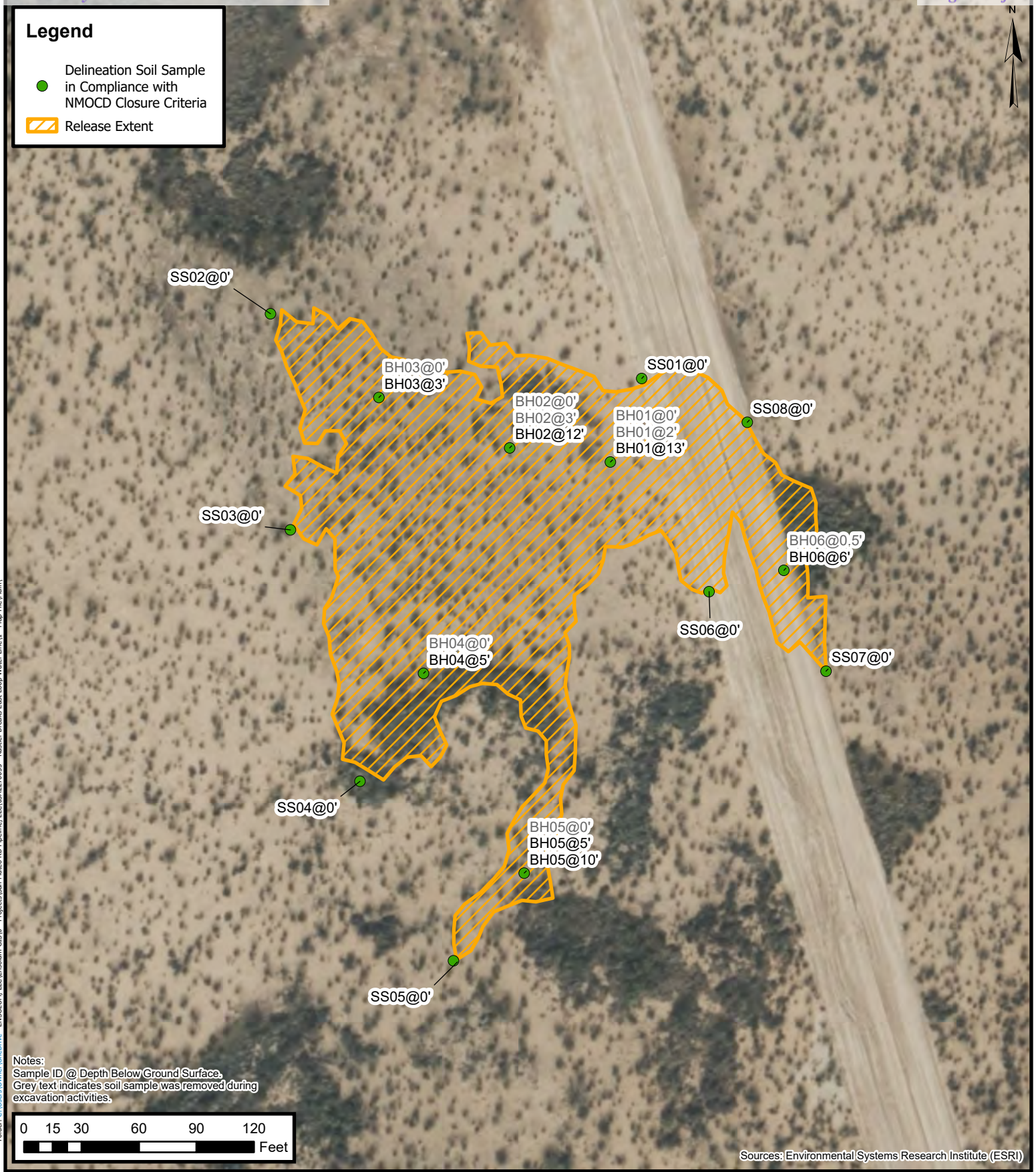
Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Confirmation Soil Samples)
Table 3	Soil Sample Analytical Results (Sidewall Soil Samples)
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	NMSLO Cultural Resources Cover Sheet
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	NMOCD Correspondence



FIGURES





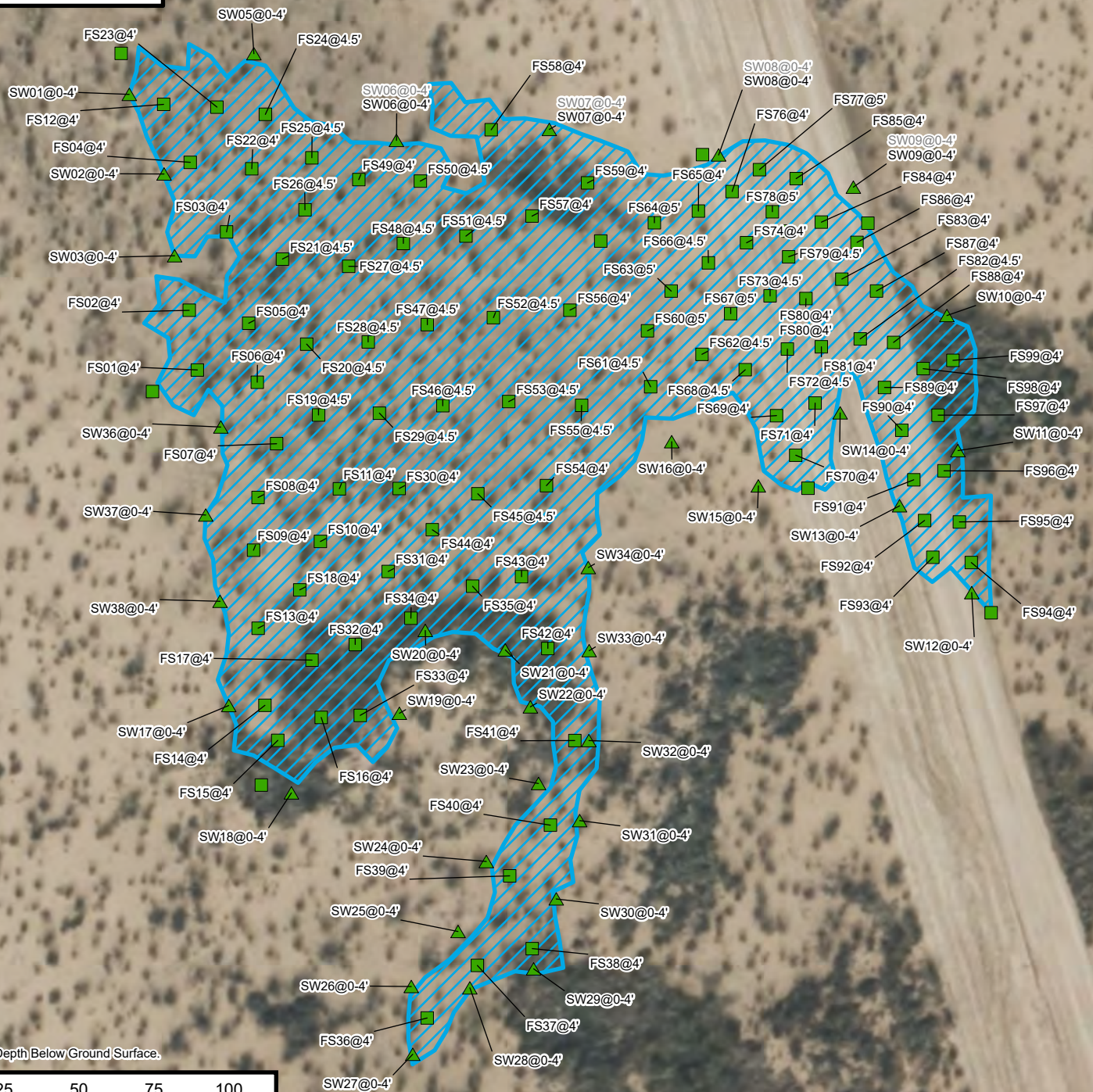
Delineation Soil Sample Locations

San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
Incident Number: nAPP2418024950
Unit H, Section 02, Township 23S, Range 28E
Eddy County, New Mexico

FIGURE
2

Legend

- Confirmation Floor
Sample in Compliance
with Closure Criteria
- ▲ Confirmation Sidewall
Sample in Compliance
with Closure Criteria
- ▨ Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.

0 12.5 25 50 75 100
Feet

Sources: Environmental Systems Research Institute (ESRI)

Excavation Soil Sample Locations

San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
Incident Number: nAPP2418024950
Unit H, Section 02, Township 23S, Range 28E
Eddy County, New Mexico

FIGURE

3





TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rustler Breaks East Loop Water Line
 San Mateo RB Pipeline, LLC
 Eddy County, New Mexico

Sample Designation	Date	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	10,000
Delineation Soil Samples										
SS01	7/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.9
SS02	7/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	7/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	7/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	7/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	7/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	256
SS07	7/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	7/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	154
BH01	7/9/2024	0	<0.0250	<0.0500	<20.0	410	454	410	864	32,100
BH01	7/9/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,150
BH01	7/31/2024	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221
BH02	7/9/2024	0	<0.0250	<0.0500	<20.0	149	169	149	318	35,100
BH02	7/9/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,590
BH02	7/31/2024	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	561
BH03	7/9/2024	0	<0.0250	<0.0500	<20.0	2,680	2,070	2,680	4,750	27,800
BH03	7/9/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,220
BH04	7/9/2024	0	<0.0250	<0.0500	<20.0	1,900	1,910	1,900	3,810	29,700
BH04	7/9/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,740
BH05	7/9/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,970
BH05	7/9/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,720
BH05	8/1/2024	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	429
BH06	7/9/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,610
BH06	8/1/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

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TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rustler Breaks East Loop Water Line
 San Mateo RB Pipeline, LLC
 Eddy County, New Mexico

Sample Designation	Date	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	10,000
Confirmation Soil Samples										
FS01	9/5/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,090
FS02	9/5/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,610
FS03	9/5/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,680
FS04	9/5/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,440
FS05	9/5/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,620
FS06	9/5/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,060
FS07	9/5/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,050
FS08	9/5/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,990
FS09	9/6/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,060
FS10	9/6/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,260
FS11	9/6/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,190
FS12	9/9/2024	4	<0.0250	<0.0500	<20.0	44.1	<50.0	44.1	44.1	2,760
FS13	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,160
FS14	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,120
FS15	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,130
FS16	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,170
FS17	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,900
FS18	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,380
FS19	9/20/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,670
FS20	9/23/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,190
FS21	9/20/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,210
FS22	9/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,940
FS23	9/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,080
FS24	9/20/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,480
FS25	9/20/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,360
FS26	9/20/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,370
FS27	9/23/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,280
FS28	9/23/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,300
FS29	9/20/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,780
FS30	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,260
FS31	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,480
FS32	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,590

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rustler Breaks East Loop Water Line
 San Mateo RB Pipeline, LLC
 Eddy County, New Mexico

Sample Designation	Date	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	10,000
Confirmation Soil Samples										
FS33	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,600
FS34	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,390
FS35	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,390
FS36	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS37	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,680
FS38	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,920
FS39	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,040
FS40	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,610
FS41	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,630
FS42	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,070
FS43	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,840
FS44	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,240
FS45	9/24/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,970
FS46	9/24/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,780
FS47	9/24/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,240
FS48	9/23/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,570
FS49	9/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,820
FS50	9/23/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,450
FS51	9/23/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,650
FS52	9/23/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,010
FS53	9/24/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,720
FS54	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,270
FS55	9/24/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,840
FS56	9/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,300
FS57	9/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,140
FS58	9/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,170
FS59	9/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,000
FS60	9/18/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,000
FS61	9/19/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,220
FS62	9/19/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,510
FS63	9/18/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,030
FS64	9/18/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,990



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rustler Breaks East Loop Water Line
 San Mateo RB Pipeline, LLC
 Eddy County, New Mexico

Sample Designation	Date	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	10,000
Confirmation Soil Samples										
FS65	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,990
FS66	9/18/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,350
FS67	9/18/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,380
FS68	9/19/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,510
FS69	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,210
FS70	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,340
FS71	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,410
FS72	9/19/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,760
FS73	9/19/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,270
FS74	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,700
FS75	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,980
FS76	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,380
FS77	9/18/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,130
FS78	9/18/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,540
FS79	9/19/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,930
FS80	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,730
FS80	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,840
FS81	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,270
FS82	9/19/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,150
FS83	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,060
FS84	9/18/2024	4	<0.0250	<0.0500	<20.0	478	235	478	713	3,230
FS85	9/18/2024	4	<0.0250	<0.0500	<20.0	121	99.5	121	221	4,450
FS86	9/18/2024	4	<0.0250	<0.0500	<20.0	25.5	<50.0	25.5	26	2,380
FS87	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,020
FS88	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,850
FS89	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,750
FS90	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,980
FS91	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,630
FS92	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	775
FS93	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	189
FS94	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	549
FS95	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	810



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Rustler Breaks East Loop Water Line San Mateo RB Pipeline, LLC Eddy County, New Mexico										
Sample Designation	Date	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	10,000
Confirmation Soil Samples										
FS96	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,500
FS97	9/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,300
FS98	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,670
FS99	9/18/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,240

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rustler Breaks East Loop Water Line
 San Mateo RB Pipeline, LLC
 Eddy County, New Mexico

Sample Designation	Date	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	10,000
Sidewall Soil Samples										
SW01	9/9/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.3
SW02	9/9/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	178
SW03	9/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	165
SW03	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	312
SW04	9/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	247
SW05	9/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	285
SW06	9/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,210
SW06	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	95.1
SW07	9/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,590
SW07	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	184
SW08	9/16/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	316
SW08	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	211
SW09	9/20/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	643
SW09	9/24/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW10	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW11	9/24/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.0
SW12	9/20/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	500
SW13	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	479
SW14	9/24/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.7
SW15	9/20/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	256
SW16	9/20/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.8
SW17	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.0
SW18	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	24.0
SW19	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	224
SW20	9/20/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	483
SW21	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64
SW22	9/20/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW23	9/20/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	78.1
SW24	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	487
SW25	9/20/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW26	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
SW27	9/20/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.9
SW28	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	144



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rustler Breaks East Loop Water Line
 San Mateo RB Pipeline, LLC
 Eddy County, New Mexico

Sample Designation	Date	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	10,000
Sidewall Soil Samples										
SW29	9/24/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.3
SW30	9/24/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	102
SW31	9/24/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW32	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.6
SW33	9/24/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.0
SW34	9/24/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	169
SW35	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	300
SW36	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	78.6
SW37	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.7
SW38	9/23/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	81.2

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log & Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4609 POD1 SB-11		WELL TAG ID NO. SB-11		OSE FILE NO(S). C-4609			
	WELL OWNER NAME(S) Novo Oil & Gas Northern Delaware, LLC				PHONE (OPTIONAL) 405-286-3916			
	WELL OWNER MAILING ADDRESS 1001 W. Wilshire Blvd., Suite 206				CITY Oklahoma City	STATE OK		
					ZIP 73116			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 20	SECONDS 26.14	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 104	02	44.11	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Twp: T23S, Rng: R28E, Sec 1 (area north of CR 605 - Refinery Road)								
2. DRILLING & CASING INFORMATION	LICENSE NO. NM-1757		NAME OF LICENSED DRILLER David Drayback			NAME OF WELL DRILLING COMPANY Envirotech Drilling Services		
	DRILLING STARTED 4/26/2022	DRILLING ENDED 4/26/2022	DEPTH OF COMPLETED WELL (FT) Well not installed, only bore hole		BORE HOLE DEPTH (FT) 51	DEPTH WATER FIRST ENCOUNTERED (FT) DRY		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY		DATE STATIC MEASURED DRY	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	0 51		~5 inches	Portland Type 1 with 5% bentonite grout		~6.8	pump mix and tremie	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4609-POD1 SB11	POD NO. 1	TRN NO. 723858
LOCATION Mont 23.28.01.211	WELL TAG ID NO. SB-11	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <i>(attach supplemental sheets to fully describe all units)</i>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0	6.5	6.5	reddish brown sand and silt, dry	Y ✓ N	
	6.5	12	5.5	tan fine grained sand and silt, dry	Y ✓ N	
	12	35	23	tan fine grained sand with rock, dry	Y ✓ N	
	35	48	13	tan-brown fine grained sand and silt with rock, dry	Y ✓ N	
	48	51	3	greenish-brown clay, dry	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER – SPECIFY: NA DRY					TOTAL ESTIMATED WELL YIELD (gpm): 0
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:	Soil boring was installed to determine if groundwater was present at 51 feet bgs. A well was not installed. The borehole was dry USE DJT MAY 26 2022 PM 1:05				
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: David Draybuck					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: _____ SIGNATURE OF DRILLER / PRINT SIGNED NAME _____ DATE 5-20-22					

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	C-4609-POD1 SB-11	POD NO.	1
LOCATION Mont 23.28.01.211		TRN NO.	723858
		WELL TAG ID NO.	_____
		PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



Well Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 723858
File Nbr: C 04609
Well File Nbr: C 04609 POD1

May. 26, 2022

BRYAN HANEY
ALTAMIRA-US LLC
14229 PUNTA BONAIRE
CORPUS CHRISTI, TX 78418

Greetings:

The above numbered permit was issued in your name on 04/15/2022.

The Well Record was received in this office on 05/26/2022, stating that it had been completed on 04/26/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 04/15/2023.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".


Maret Amaral
(575) 622-6521


drywell





APPENDIX B


Lithologic Soil Sampling Logs


 ENSOLUM		Sample Name: BH01		Date: 07/31/2024				
		Site Name: Rustler Breaks East Loop Water Line						
		Incident Number: nAPP2418024950						
		Job Number: 03A2270053						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.33540, -104.05309			Logged By: Brandon Deal		Method: Backhoe			
			Hole Diameter: 2'		Total Depth: 13'			
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0		
M			N	BH01	1	1	ML	Silt - Dark Brown, Non-cohesive
M	>3,399		N	BH01	2	2		
							CCHE	Indurated Caliche
D	>3,388		N	BH01	3	3		
D	>3,388		N	BH01	5	5		
D	>3,388		N	BH01	7	7		
D	2,732		N	BH01	9	9	CCHE	Hard Packed Caliche, Tan-White, Large Gravel, Dry, Non Plastic, Non Cohesive, Thickly Bedded, Non Uniform
D	2,732		N	BH01	11	11		
D	232		N	BH01	13	13		
Total Depth = 13 Feet BGS.								

 ENSOLUM		Sample Name: BH02		Date: 07/31/2024				
		Site Name: Rustler Breaks East Loop Water Line						
		Incident Number: nAPP2418024950						
		Job Number: 03A2270053						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.33542, -104.05326				Logged By: Brandon Deal		Method: Backhoe		
				Hole Diameter: 2'		Total Depth: 12'		
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH02	0	0	ML	Silt - Dark Brown, Non-cohesive
M			N	BH02	1	1		
M			N	BH02	2	2		
M	>3,399		N	BH02	3	3	CCHE	Indurated Caliche
D			N	BH02	4	4	CCHE	Hard Packed Caliche, Tan, Large gravel, Dry, Non Plastic, Non Cohesive, Thickly Bedded, Non Uniform
D			N	BH02	6	6		
D	>3,388		N	BH02	8	8		
D			N	BH02	10	10		
D	554		N	BH02	12	12		
Total Depth = 12 feet BGS.								

 ENSOLUM		Sample Name: BH03		Date: 07/31/2024				
		Site Name: Rustler Breaks East Loop Water Line						
		Incident Number: nAPP2418024950						
		Job Number: 03A2270053						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.33549, -104.05348			Logged By: Brandon Deal		Method: Backhoe			
			Hole Diameter: 2'		Total Depth: 14'			
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH03	0	0		
M	>3,399		N	BH03	1	1	ML	Silt - Dark Brown, Non-cohesive
M			N	BH03	2	2		
M	>3,399		N	BH03	3	3	CCHE	Indurated Caliche
M			N	BH03	4	4		
M			N	BH03	6	6		
M			N	BH03	8	8	GP-GC	Poorly graded gravel with sand, Brown, Small gravel, Moist, Non Plastic, Non Cohesive, Thickly bedded, Coarse Gravel
M			N	BH03	10	10		
D	>3,388		N	BH03	12	12	CCHE	Hard Packed caliche, Tan, Large gravel, Dry, Non plastic, Non Cohesive, Thickly bedded, Non Uniform
D	>3,388		N	BH03	14	14		
Total Depth = 14 Feet BGS.								

 ENSOLUM		Sample Name: BH04		Date: 08/01/2024				
		Site Name: Rustler Breaks East Loop Water Line						
		Incident Number: nAPP2418024950						
		Job Number: 03A2270053						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.33510, -104.05341			Logged By: Brandon Deal		Method: Backhoe			
			Hole Diameter: 2'		Total Depth: 12'			
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH04	0	0		
M	>3,399		N	BH04	1	1	ML	Silt - Light Brown, Non-cohesive
M			N	BH04	2	2		
M			N	BH04	3	3		
M	>3,399		N	BH04	4	4	ML	Silt - Tan, Non-cohesive
M	>3,399		N	BH04	5	5		
M			N	BH04	6	6	CCHE	Indurated Caliche
M			N	BH04		7	GP-GC	Poorly graded sand with gravel, Brown, Small gravel, Moist, Non Plastic, Non Cohesive, Thickly Bedded, Non Unifrom
M			N	BH04		8		
M			N	BH04		10	CCHE	Hard Packed Caliche, Tan, Large gravel, Dry, Non Plastic, Non Cohesive, Thickly bedded, Non Unifrom
M			N	BH04		12		
M			N	BH04		14		
Total Depth = 14 Feet BGS.								

 ENSOLUM		Sample Name: BH05		Date: 08/01/2024				
		Site Name: Rustler Breaks East Loop Water Line						
		Incident Number: nAPP2418024950						
		Job Number: 03A2270053						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.33481, -104.05324				Logged By: Brandon Deal		Method: Backhoe		
				Hole Diameter: 2'		Total Depth: 10'		
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH05	0	0		
M	>3,399		N	BH05	1	1	ML	Silt - Dark Brown, Non-cohesive
M			N	BH05	2	2		
M			N	BH05	3	3		
M	>3,399		N	BH05	4	4	ML	Silt - Light Brown, Non-cohesive
M	>3,399		N	BH05	5	5		
M			N	BH05		6	GP-GC	Hard Packed Caliche, White, Large Gravel, Dry, Non Plastic, Non Cohesive, Thickly Bedded, Non Uniform
D			N	BH05		7		
D	1,808		N	BH05		8	CCHE	Hard Packed Caliche, White, Large Gravel, Dry, Non Plastic, Non Cohesive, Thickly Bedded, Non Uniform
D			N	BH05		9		
D	302.4		N	BH05		10		
Total Depth = 10 Feet BGS.								

								Sample Name: BH06		Date: 08/01/2024	
								Site Name: Rustler Breaks East Loop Water Line			
								Incident Number: nAPP2418024950			
								Job Number: 03A2270053			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Brandon Deal		Method: Backhoe	
Coordinates: 32.33524, -104.05280								Hole Diameter: 2'		Total Depth: 6'	
Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH06	0	0	ML	Silt - Dark Brown, Non-cohesive			
M	>3,399		N	BH06	0.5	0.5					
D			N	BH06	1	1	GW	Well graded gravel with sand, Brown, Dry, Non Plasticity, Non Cohesive, Medium grained sand, Uniform			
D			N	BH06	2	2					
D	>3,388		N	BH06	3	3					
D			N	BH06	4	4					
D	980		N	BH06	5	5					
D	<260		N	BH06	6	6					
Total Depth = 6 Feet BGS.											



APPENDIX C

Photographic Log



Photographic Log

San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
nAPP2418024950



Photograph 1 Date: 06/27/2024
Description: Point of Release (POR)
View: South



Photograph 2 Date: 06/27/2024
Description: Initial Release
View: Northeast



Photograph 3 Date: 06/27/2024
Description: Initial Release
View: Northwest



Photograph 4 Date: 06/27/2024
Description: Initial Release
View: West



Photographic Log

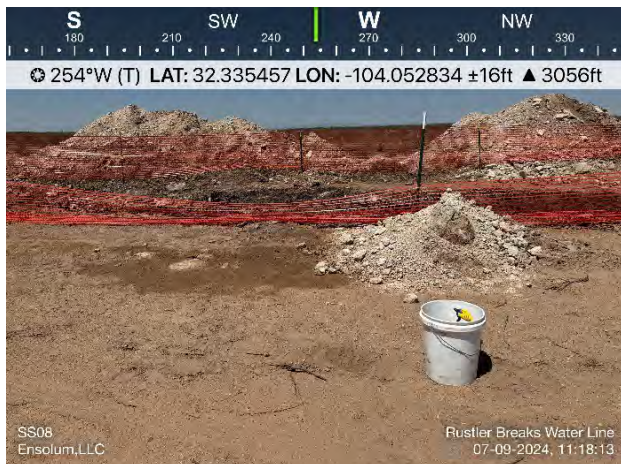
San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
nAPP2418024950



Photograph 5 Date: 07/09/2024
Description: Lateral Delineation Sampling
View: East



Photograph 6 Date: 07/09/2024
Description: Lateral Delineation Sampling
View: Northeast



Photograph 7 Date: 07/09/2024
Description: Lateral Delineation Sampling
View: West

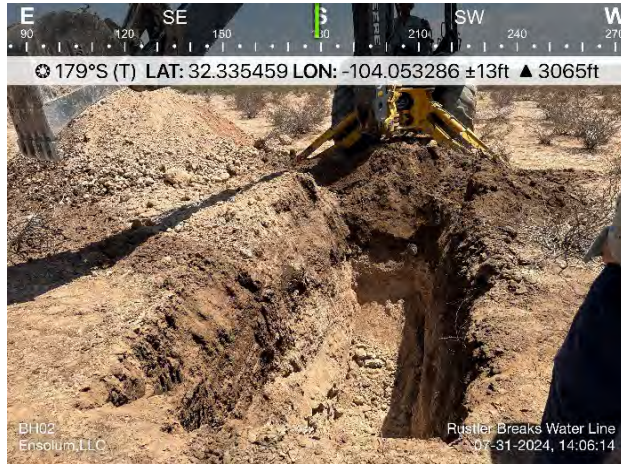


Photograph 8 Date: 07/09/2024
Description: Vertical Delineation Sampling
View: Northwest



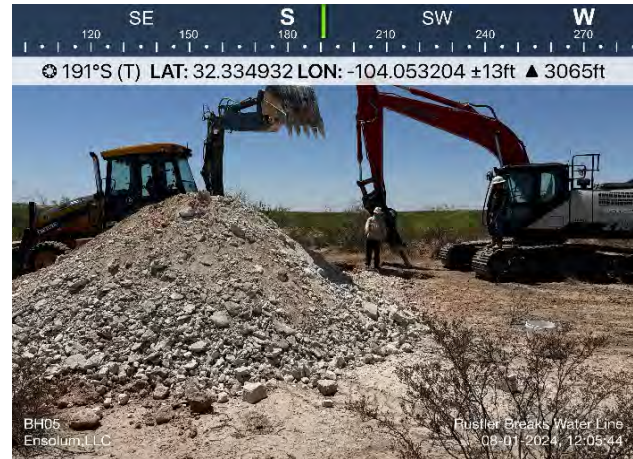
Photographic Log

San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
nAPP2418024950



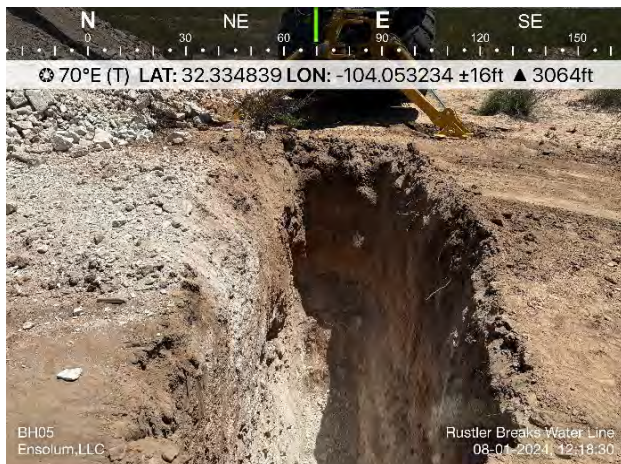
Photograph 9
Description: Potholing (BH02)
View: South

Date: 07/31/2024



Photograph 10
Description: Potholing (BH05)
View: East

Date: 08/01/2024



Photograph 11
Description: Potholing (BH05)
View: Northeast

Date: 08/01/2024



Photograph 12
Description: Potholing (BH06)
View: Northeast

Date: 08/01/2024



Photographic Log

San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
nAPP2418024950



Photograph 13

Date: 09/04/2024

Description: Excavation Activities

View: Northeast



Photograph 14

Date: 09/05/2024

Description: Excavation Activities

View: South



Photograph 15

Date: 09/06/2024

Description: Confirmation Sampling Areas

View: West



Photograph 16

Date: 09/09/2024

Description: Excavation Activities

View: Southwest



Photographic Log

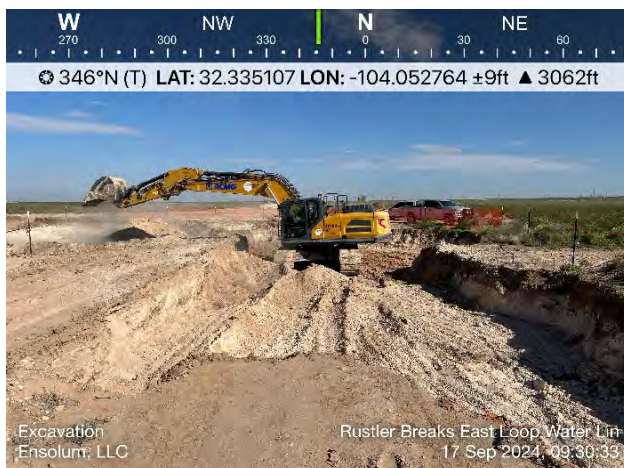
San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
nAPP2418024950



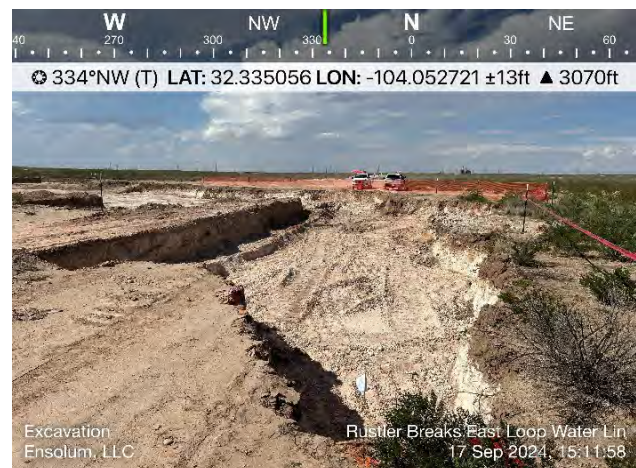
Photograph 17 Date: 09/16/2024
Description: Excavation Activities
View: Southwest



Photograph 18 Date: 09/16/2024
Description: Excavation Activities
View: Southeast



Photograph 19 Date: 09/17/2024
Description: Excavation Activities
View: North



Photograph 20 Date: 09/17/2024
Description: Excavation Activities
View: Northwest



Photographic Log

San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
nAPP2418024950



Photograph 21 Date: 09/18/2024
Description: Excavation Activities
View: Northeast



Photograph 22 Date: 09/18/2024
Description: Excavation Activities
View: South



Photograph 23 Date: 09/19/2024
Description: Excavation Activities
View: Northwest

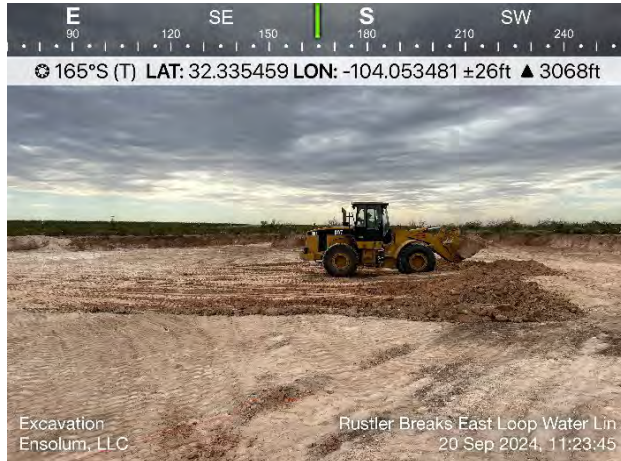


Photograph 24 Date: 09/19/2024
Description: Excavation Activities
View: North

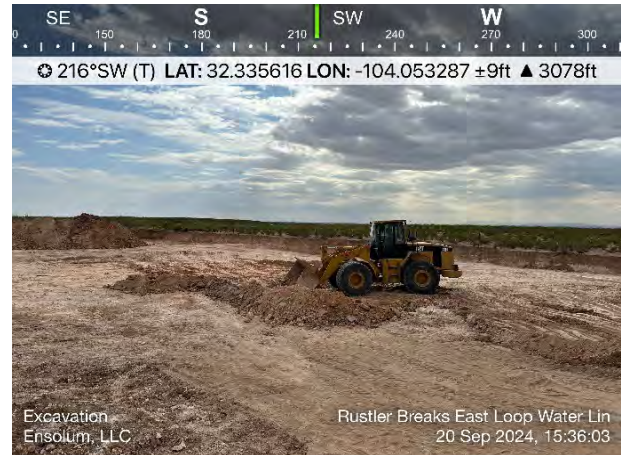


Photographic Log

San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
nAPP2418024950



Photograph 25
Description: Excavation Activities
View: South



Photograph 26
Description: Excavation Activities
View: Southwest



Photograph 27
Description: Excavation Activities
View: South



Photograph 28
Description: Excavation Activities
View: Southeast



APPENDIX D

NMSLO Cultural Resources Cover Sheet



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Rustler Breaks East Loop Water Line

Work Order: E407063

Job Number: 23003-0002

Received: 7/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/17/24

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Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/17/24

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Rustler Breaks East Loop Water Line
Workorder: E407063
Date Received: 7/11/2024 10:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/11/2024 10:30:00AM, under the Project Name: Rustler Breaks East Loop Water Line.

The analytical test results summarized in this report with the Project Name: Rustler Breaks East Loop Water Line 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 regarding 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,

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/17/24 10:47
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E407063-01A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
SS02-0'	E407063-02A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
SS03-0'	E407063-03A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
SS04-0'	E407063-04A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
SS05-0'	E407063-05A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
SS06-0'	E407063-06A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
SS07-0'	E407063-07A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
SS08-0'	E407063-08A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH01-0'	E407063-09A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH01-2'	E407063-10A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH02-0'	E407063-11A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH02-3'	E407063-12A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH03-0'	E407063-13A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH03-3'	E407063-14A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH04-0'	E407063-15A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH04-5'	E407063-16A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH05-0'	E407063-17A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH05-5'	E407063-18A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.
BH06-0.5'	E407063-19A	Soil	07/09/24	07/11/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

SS01-0'

E407063-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/11/24	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		07/11/24	07/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	56.9	20.0	1	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

SS02-0'

E407063-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.7 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	110 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/11/24	
<i>Surrogate: n-Nonane</i>	121 %	50-200		07/11/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	ND	20.0	1	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/17/2024 10:47:19AM
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SS03-0'

E407063-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID	88.7 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	110 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/11/24	
Surrogate: n-Nonane	116 %	50-200		07/11/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	ND	20.0	1	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/17/2024 10:47:19AM
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SS04-0'

E407063-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.4 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	109 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/11/24	
<i>Surrogate: n-Nonane</i>	124 %	50-200		07/11/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	ND	20.0	1	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

SS05-0'

E407063-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/11/24	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		07/11/24	07/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	ND	20.0	1	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/17/2024 10:47:19AM
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SS06-0'

E407063-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID	88.8 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	113 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/11/24	
Surrogate: n-Nonane	129 %	50-200		07/11/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	256	20.0	1	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/17/2024 10:47:19AM
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SS07-0'

E407063-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	87.5 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	110 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/11/24	
<i>Surrogate: n-Nonane</i>	126 %	50-200		07/11/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	ND	20.0	1	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/17/2024 10:47:19AM
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SS08-0'

E407063-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	112 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/11/24	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		07/11/24	07/11/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	154	20.0	1	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

BH01-0'

E407063-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.7 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	110 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	410	25.0	1	07/11/24	07/11/24	
Oil Range Organics (C28-C36)	454	50.0	1	07/11/24	07/11/24	
<i>Surrogate: n-Nonane</i>	124 %	50-200		07/11/24	07/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	32100	2000	100	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

BH01-2'

E407063-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.8 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/12/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		07/11/24	07/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	9150	200	10	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

BH02-0'

E407063-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2428076
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2428076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2428079
Diesel Range Organics (C10-C28)	149	25.0	1	07/11/24	07/12/24	
Oil Range Organics (C28-C36)	169	50.0	1	07/11/24	07/12/24	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		07/11/24	07/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2428082
Chloride	35100	2000	100	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

BH02-3'

E407063-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2428076
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2428076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2428079
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/12/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		07/11/24	07/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2428082
Chloride	9590	200	10	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/17/2024 10:47:19AM
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BH03-0'

E407063-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.0 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	110 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	2680	25.0	1	07/11/24	07/12/24	
Oil Range Organics (C28-C36)	2070	50.0	1	07/11/24	07/12/24	
<i>Surrogate: n-Nonane</i>	123 %	50-200		07/11/24	07/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	27800	1000	50	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

BH03-3'

E407063-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/16/24	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		07/11/24	07/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	9220	200	10	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

BH04-0'

E407063-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.3 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	1900	25.0	1	07/11/24	07/12/24	
Oil Range Organics (C28-C36)	1910	50.0	1	07/11/24	07/12/24	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		07/11/24	07/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	29700	1000	50	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

BH04-5'

E407063-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.6 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/16/24	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		07/11/24	07/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	9740	200	10	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/17/2024 10:47:19AM
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BH05-0'

E407063-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/12/24	
Surrogate: n-Nonane	120 %	50-200		07/11/24	07/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	5970	200	10	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

BH05-5'

E407063-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2428076
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2428076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2428079
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/12/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		07/11/24	07/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2428082
Chloride	6720	100	5	07/11/24	07/11/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
7/17/2024 10:47:19AM

BH06-0.5'

E407063-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Benzene	ND	0.0250	1	07/11/24	07/11/24	
Ethylbenzene	ND	0.0250	1	07/11/24	07/11/24	
Toluene	ND	0.0250	1	07/11/24	07/11/24	
o-Xylene	ND	0.0250	1	07/11/24	07/11/24	
p,m-Xylene	ND	0.0500	1	07/11/24	07/11/24	
Total Xylenes	ND	0.0250	1	07/11/24	07/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2428076	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/11/24	07/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		07/11/24	07/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2428079	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/11/24	07/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/11/24	07/12/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		07/11/24	07/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2428082	
Chloride	8610	200	10	07/11/24	07/11/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/17/2024 10:47:19AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2428076-BLK1) Prepared: 07/11/24 Analyzed: 07/11/24

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	7.01		8.00		87.6	70-130			

LCS (2428076-BS1) Prepared: 07/11/24 Analyzed: 07/11/24

Benzene	4.62	0.0250	5.00		92.4	70-130			
Ethylbenzene	4.34	0.0250	5.00		86.8	70-130			
Toluene	4.55	0.0250	5.00		90.9	70-130			
o-Xylene	4.41	0.0250	5.00		88.1	70-130			
p,m-Xylene	8.95	0.0500	10.0		89.5	70-130			
Total Xylenes	13.4	0.0250	15.0		89.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.02		8.00		87.7	70-130			

Matrix Spike (2428076-MS1) Source: E407063-05 Prepared: 07/11/24 Analyzed: 07/11/24

Benzene	3.78	0.0250	5.00	ND	75.7	54-133			
Ethylbenzene	3.54	0.0250	5.00	ND	70.8	61-133			
Toluene	3.71	0.0250	5.00	ND	74.3	61-130			
o-Xylene	3.59	0.0250	5.00	ND	71.8	63-131			
p,m-Xylene	7.30	0.0500	10.0	ND	73.0	63-131			
Total Xylenes	10.9	0.0250	15.0	ND	72.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.3	70-130			

Matrix Spike Dup (2428076-MSD1) Source: E407063-05 Prepared: 07/11/24 Analyzed: 07/11/24

Benzene	3.74	0.0250	5.00	ND	74.9	54-133	1.07	20	
Ethylbenzene	3.50	0.0250	5.00	ND	70.0	61-133	1.15	20	
Toluene	3.68	0.0250	5.00	ND	73.5	61-130	0.988	20	
o-Xylene	3.55	0.0250	5.00	ND	71.0	63-131	1.01	20	
p,m-Xylene	7.21	0.0500	10.0	ND	72.1	63-131	1.15	20	
Total Xylenes	10.8	0.0250	15.0	ND	71.8	63-131	1.11	20	
Surrogate: 4-Bromochlorobenzene-PID	7.12		8.00		89.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/17/2024 10:47:19AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2428076-BLK1) Prepared: 07/11/24 Analyzed: 07/11/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.81		8.00		110	70-130			

LCS (2428076-BS2) Prepared: 07/11/24 Analyzed: 07/11/24

Gasoline Range Organics (C6-C10)	36.4	20.0	50.0		72.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.01		8.00		113	70-130			

Matrix Spike (2428076-MS2) Source: E407063-05 Prepared: 07/11/24 Analyzed: 07/11/24

Gasoline Range Organics (C6-C10)	39.4	20.0	50.0	ND	78.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.86		8.00		111	70-130			

Matrix Spike Dup (2428076-MSD2) Source: E407063-05 Prepared: 07/11/24 Analyzed: 07/11/24

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.7	70-130	16.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.83		8.00		110	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/17/2024 10:47:19AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2428079-BLK1) Prepared: 07/11/24 Analyzed: 07/11/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.9		50.0		124	50-200			

LCS (2428079-BS1) Prepared: 07/11/24 Analyzed: 07/16/24

Diesel Range Organics (C10-C28)	315	25.0	250		126	38-132			
Surrogate: n-Nonane	56.1		50.0		112	50-200			

Matrix Spike (2428079-MS1) Source: E407063-06 Prepared: 07/11/24 Analyzed: 07/16/24

Diesel Range Organics (C10-C28)	318	25.0	250	ND	127	38-132			
Surrogate: n-Nonane	50.1		50.0		100	50-200			

Matrix Spike Dup (2428079-MSD1) Source: E407063-06 Prepared: 07/11/24 Analyzed: 07/16/24

Diesel Range Organics (C10-C28)	322	25.0	250	ND	129	38-132	1.07	20	
Surrogate: n-Nonane	48.5		50.0		97.1	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/17/2024 10:47:19AM
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Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2428082-BLK1)					Prepared: 07/11/24 Analyzed: 07/11/24				
Chloride	ND	20.0							
LCS (2428082-BS1)					Prepared: 07/11/24 Analyzed: 07/11/24				
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2428082-MS1)					Source: E407063-05		Prepared: 07/11/24 Analyzed: 07/11/24		
Chloride	256	20.0	250	ND	103	80-120			
Matrix Spike Dup (2428082-MSD1)					Source: E407063-05		Prepared: 07/11/24 Analyzed: 07/11/24		
Chloride	255	20.0	250	ND	102	80-120	0.571	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

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/17/24 10:47

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.



Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E 4070103		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX		
Project: Rustler Breaks East Loop Water Line				Address: 3122 National Parks Hwy									x	x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
9:17	7/9/2024	S	1	SS01 - 0'			1						X						
9:22	7/9/2024	S	1	SS02 - 0'			2						X						
9:25	7/9/2024	S	1	SS03 - 0'			3						X						
9:28	7/9/2024	S	1	SS04 - 0'			4						X						
9:30	7/9/2024	S	1	SS05 - 0'			5						X						
9:35	7/9/2024	S	1	SS06 - 0'			6						X						
9:38	7/9/2024	S	1	SS07 - 0'			7						X						
9:41	7/9/2024	S	1	SS08 - 0'			8						X						
11:26	7/9/2024	S	1	BH01 - 0'			9						X						
11:40	7/9/2024	S	1	BH01 - 2'			10						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



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Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Rustler Breaks East Loop Water Line				Address: 3122 National Parks Hwy		E 407003	23003-002				x	x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
11:46	7/9/2024	S	1	BH02 - 0'		11						X					
12:03	7/9/2024	S	1	BH02 - 3'		12						X					
12:05	7/9/2024	S	1	BH03 - 0'		13						X					
13:52	7/9/2024	S	1	BH03 - 3'		14						X					
12:17	7/9/2024	S	1	BH04 - 0'		15						X					
14:46	7/9/2024	S	1	BH04 - 5'		16						X					
12:24	7/9/2024	S	1	BH05 - 0'		17						X					
14:56	7/9/2024	S	1	BH05 - 5'		18						X					
12:44	7/9/2024	S	1	BH06 - 0.5'		19						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Cole Burton																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Michelle Gonzales		7-10-24	1630	A.M.		7-10-24	1805										
Michelle Gonzales				Alexa Michaels		7/11/24	1030										
A.M.		7-10-24	2400														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Envirotech Analytical Laboratory

Printed: 7/11/2024 3:03:46PM

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:	Matador Resources, LLC.	Date Received:	07/11/24 10:30	Work Order ID:	E407063
Phone:	(972) 371-5200	Date Logged In:	07/10/24 15:56	Logged In By:	Alexa Michaels
Email:	agiovngo@ensolum.com	Due Date:	07/17/24 17:00 (4 day TAT)		

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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Rustler Breaks East Loop Water Line

Work Order: E408017

Job Number: 23003-0002

Received: 8/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/7/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 8/7/24

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Rustler Breaks East Loop Water Line
Workorder: E408017
Date Received: 8/2/2024 8:00:16AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/2/2024 8:00:16AM, under the Project Name: Rustler Breaks East Loop Water Line.

The analytical test results summarized in this report with the Project Name: Rustler Breaks East Loop Water Line 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 regarding 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/07/24 09:44
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 - 13'	E408017-01A	Soil	07/31/24	08/02/24	Glass Jar, 2 oz.
BH02 - 12'	E408017-02A	Soil	07/31/24	08/02/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/7/2024 9:44:32AM

BH01 - 13'

E408017-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431129
Benzene	ND	0.0250	1	08/02/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/02/24	08/02/24	
Toluene	ND	0.0250	1	08/02/24	08/02/24	
o-Xylene	ND	0.0250	1	08/02/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/02/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/02/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/02/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	08/02/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431129
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	08/02/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	08/02/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/02/24	08/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431137
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/24	08/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/24	08/03/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/02/24	08/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431142
Chloride	221	20.0	1	08/02/24	08/02/24	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Rustler Breaks East Loop Water Line
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/7/2024 9:44:32AM

BH02 - 12'

E408017-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431129
Benzene	ND	0.0250	1	08/02/24	08/03/24	
Ethylbenzene	ND	0.0250	1	08/02/24	08/03/24	
Toluene	ND	0.0250	1	08/02/24	08/03/24	
o-Xylene	ND	0.0250	1	08/02/24	08/03/24	
p,m-Xylene	ND	0.0500	1	08/02/24	08/03/24	
Total Xylenes	ND	0.0250	1	08/02/24	08/03/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		08/02/24	08/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		08/02/24	08/03/24	
Surrogate: Toluene-d8	106 %	70-130		08/02/24	08/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431129
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/02/24	08/03/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		08/02/24	08/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		08/02/24	08/03/24	
Surrogate: Toluene-d8	106 %	70-130		08/02/24	08/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431137
Diesel Range Organics (C10-C28)	ND	25.0	1	08/02/24	08/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/02/24	08/03/24	
Surrogate: n-Nonane	99.2 %	50-200		08/02/24	08/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431142
Chloride	561	20.0	1	08/02/24	08/02/24	



Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2024 9:44:32AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2431129-BLK1)

Prepared: 08/02/24 Analyzed: 08/02/24

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: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2431129-BS1)

Prepared: 08/02/24 Analyzed: 08/02/24

Benzene	2.26	0.0250	2.50		90.3	70-130			
Ethylbenzene	2.32	0.0250	2.50		92.7	70-130			
Toluene	2.31	0.0250	2.50		92.4	70-130			
o-Xylene	2.24	0.0250	2.50		89.5	70-130			
p,m-Xylene	4.57	0.0500	5.00		91.4	70-130			
Total Xylenes	6.81	0.0250	7.50		90.8	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike (2431129-MS1)

Source: E408014-04

Prepared: 08/02/24 Analyzed: 08/02/24

Benzene	2.26	0.0250	2.50	ND	90.5	48-131			
Ethylbenzene	2.32	0.0250	2.50	ND	93.0	45-135			
Toluene	2.31	0.0250	2.50	ND	92.4	48-130			
o-Xylene	2.26	0.0250	2.50	ND	90.3	43-135			
p,m-Xylene	4.57	0.0500	5.00	ND	91.4	43-135			
Total Xylenes	6.83	0.0250	7.50	ND	91.0	43-135			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike Dup (2431129-MSD1)

Source: E408014-04

Prepared: 08/02/24 Analyzed: 08/02/24

Benzene	2.25	0.0250	2.50	ND	89.9	48-131	0.709	23	
Ethylbenzene	2.27	0.0250	2.50	ND	91.0	45-135	2.17	27	
Toluene	2.29	0.0250	2.50	ND	91.6	48-130	0.870	24	
o-Xylene	2.20	0.0250	2.50	ND	88.1	43-135	2.51	27	
p,m-Xylene	4.43	0.0500	5.00	ND	88.7	43-135	3.01	27	
Total Xylenes	6.64	0.0250	7.50	ND	88.5	43-135	2.84	27	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

QC Summary Data

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2024 9:44:32AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431129-BLK1) Prepared: 08/02/24 Analyzed: 08/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2431129-BS2) Prepared: 08/02/24 Analyzed: 08/02/24

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2431129-MS2) Source: E408014-04 Prepared: 08/02/24 Analyzed: 08/02/24

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0	ND	87.7	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2431129-MSD2) Source: E408014-04 Prepared: 08/02/24 Analyzed: 08/02/24

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	14.4	20	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2024 9:44:32AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431137-BLK1) Prepared: 08/02/24 Analyzed: 08/02/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.2		50.0		124	50-200			

LCS (2431137-BS1) Prepared: 08/02/24 Analyzed: 08/02/24

Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	58.2		50.0		116	50-200			

Matrix Spike (2431137-MS1) Source: E408015-08 Prepared: 08/02/24 Analyzed: 08/02/24

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	60.1		50.0		120	50-200			

Matrix Spike Dup (2431137-MSD1) Source: E408015-08 Prepared: 08/02/24 Analyzed: 08/02/24

Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132	3.93	20	
Surrogate: n-Nonane	57.4		50.0		115	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/7/2024 9:44:32AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431142-BLK1)					Prepared: 08/02/24 Analyzed: 08/02/24				
Chloride	ND	20.0							
LCS (2431142-BS1)					Prepared: 08/02/24 Analyzed: 08/02/24				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2431142-MS1)					Source: E408015-01		Prepared: 08/02/24 Analyzed: 08/02/24		
Chloride	487	20.0	250	251	94.0	80-120			
Matrix Spike Dup (2431142-MSD1)					Source: E408015-01		Prepared: 08/02/24 Analyzed: 08/02/24		
Chloride	521	20.0	250	251	108	80-120	6.81	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

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/07/24 09:44

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.



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Rustler Breaks East Loop Water Line				Address: 3122 National Parks Hwy		E408017		23030002				x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
12:03	7/31/2024	Soil	1	BH01 - 13'		1						X					
14:57	7/31/2024	Soil	1	BH02 - 12'		2						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Brandon Deal																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Michelle Gonzales		8-1-24	9:50 am	Michelle Gonzales		8-1-24	0900										
Michelle Gonzales		8-1-24	1650	Camden Briggs		8-1-24	1730										
Camden Briggs		8-1-24	23:59	Michelle Gonzales		8/2/24	800										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



Envirotech Analytical Laboratory

Printed: 8/2/2024 12:54:29PM

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:	Matador Resources, LLC.	Date Received:	08/02/24 08:00	Work Order ID:	E408017
Phone:	(972) 371-5200	Date Logged In:	08/01/24 16:09	Logged In By:	Noe Soto
Email:	agiovngo@ensolum.com	Due Date:	08/08/24 17:00 (4 day TAT)		

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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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? No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Rustler Breaks East Loop Water Line

Work Order: E408027

Job Number: 23003-0002

Received: 8/5/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/7/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 8/7/24

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Rustler Breaks East Loop Water Line
Workorder: E408027
Date Received: 8/5/2024 9:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/5/2024 9:15:00AM, under the Project Name: Rustler Breaks East Loop Water Line.

The analytical test results summarized in this report with the Project Name: Rustler Breaks East Loop Water Line 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 regarding 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,

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Cell: 775-287-1762
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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/07/24 10:21
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05-10'	E408027-01A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
BH06-6'	E408027-02A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/7/2024 10:21:11AM
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BH05-10'

E408027-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2432010	
Benzene	ND	0.0250	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	08/05/24	08/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2432010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/24	08/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2432009	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/24	08/06/24	
Surrogate: n-Nonane	127 %	50-200		08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2432003	
Chloride	429	20.0	1	08/05/24	08/05/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/7/2024 10:21:11AM
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BH06-6'

E408027-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432010	
Benzene	ND	0.0250	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	08/05/24	08/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2432010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/24	08/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2432009	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/24	08/06/24	
<i>Surrogate: n-Nonane</i>						
	126 %	50-200		08/05/24	08/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2432003	
Chloride	40.0	20.0	1	08/05/24	08/05/24	



QC Summary Data

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2024 10:21:11AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432010-BLK1) Prepared: 08/05/24 Analyzed: 08/06/24

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	7.11		8.00		88.8	70-130			

LCS (2432010-BS1) Prepared: 08/05/24 Analyzed: 08/06/24

Benzene	5.47	0.0250	5.00		109	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.36	0.0250	5.00		107	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.08		8.00		88.5	70-130			

Matrix Spike (2432010-MS1) Source: E408028-03 Prepared: 08/05/24 Analyzed: 08/06/24

Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133			
Toluene	4.96	0.0250	5.00	ND	99.2	61-130			
o-Xylene	4.81	0.0250	5.00	ND	96.2	63-131			
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.3	70-130			

Matrix Spike Dup (2432010-MSD1) Source: E408028-03 Prepared: 08/05/24 Analyzed: 08/06/24

Benzene	5.15	0.0250	5.00	ND	103	54-133	2.15	20	
Ethylbenzene	4.81	0.0250	5.00	ND	96.1	61-133	1.82	20	
Toluene	5.06	0.0250	5.00	ND	101	61-130	1.93	20	
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131	1.91	20	
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131	1.69	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	63-131	1.77	20	
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2024 10:21:11AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2432010-BLK1) Prepared: 08/05/24 Analyzed: 08/06/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.45		8.00		106	70-130			

LCS (2432010-BS2) Prepared: 08/05/24 Analyzed: 08/06/24

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

Matrix Spike (2432010-MS2) Source: E408028-03 Prepared: 08/05/24 Analyzed: 08/06/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

Matrix Spike Dup (2432010-MSD2) Source: E408028-03 Prepared: 08/05/24 Analyzed: 08/06/24

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	14.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2024 10:21:11AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2432009-BLK1)					Prepared: 08/05/24 Analyzed: 08/06/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	66.7		50.0		133	50-200			

LCS (2432009-BS1)					Prepared: 08/05/24 Analyzed: 08/06/24				
Diesel Range Organics (C10-C28)	327	25.0	250		131	38-132			
Surrogate: n-Nonane	64.9		50.0		130	50-200			

Matrix Spike (2432009-MS1)					Source: E408028-01		Prepared: 08/05/24 Analyzed: 08/06/24		
Diesel Range Organics (C10-C28)	330	25.0	250	ND	132	38-132			
Surrogate: n-Nonane	65.4		50.0		131	50-200			

Matrix Spike Dup (2432009-MSD1)					Source: E408028-01		Prepared: 08/05/24 Analyzed: 08/06/24		
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132	6.91	20	
Surrogate: n-Nonane	66.4		50.0		133	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Rustler Breaks East Loop Water Line Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/7/2024 10:21:11AM
---	---	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2432003-BLK1)					Prepared: 08/05/24 Analyzed: 08/05/24				
Chloride	ND	20.0							
LCS (2432003-BS1)					Prepared: 08/05/24 Analyzed: 08/05/24				
Chloride	248	20.0	250		99.2	90-110			
Matrix Spike (2432003-MS1)					Source: E408023-03		Prepared: 08/05/24 Analyzed: 08/05/24		
Chloride	282	20.0	250	27.1	102	80-120			
Matrix Spike Dup (2432003-MSD1)					Source: E408023-03		Prepared: 08/05/24 Analyzed: 08/05/24		
Chloride	280	20.0	250	27.1	101	80-120	0.837	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

Matador Resources, LLC.	Project Name:	Rustler Breaks East Loop Water Line	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/07/24 10:21

- 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.



Page 1 of 1

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 8/5/2024 9:45:53AM

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:	Matador Resources, LLC.	Date Received:	08/05/24 09:15	Work Order ID:	E408027
Phone:	(972) 371-5200	Date Logged In:	08/05/24 09:25	Logged In By:	Raina Schwanz
Email:	agiovngo@ensolum.com	Due Date:	08/09/24 17:00 (4 day TAT)		

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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.



APPENDIX F

NMOCD Correspondence

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 359407

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 359407
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Incident Details <i>Please answer all the questions in this group.</i>	
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 <i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 291 BBL Recovered: 43 BBL Lost: 248 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 359407

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 359407
	Action Type: [NOTIFY] Notification Of Release (NOR)

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 safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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ACKNOWLEDGMENTS

Action 359407

ACKNOWLEDGMENTS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 359407
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 359407

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 359407
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
c_talley	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	6/28/2024

Impacted Soil	
Saturated Soil (inches)	
	2
	40961.56
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
	0.0
barrels recovered (if known)	
	43
Soil type	
	pad caliche
Spill type	
	produced water
Barrel estimate in soil	
	243.2
Barrel estimate (standing fluids/ recovered+in soil)	
	286.2

need to populate or select

Impacted Soil	
Saturated Soil (inches)	
	72
	20
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
	0.0
barrels recovered (if known)	
Soil type	
	pad caliche
Spill type	
	produced water
Barrel estimate in soil	
	4.3
Barrel estimate (standing fluids/ recovered+in soil)	
	4.3

need to populate or select

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QUESTIONS

Action 359502

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 359502
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 291 BBL Recovered: 43 BBL Lost: 248 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 359502

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 359502
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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 safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Clint Talley Title: Assistant Foreman Email: clinton.talley@matadorresources.com Date: 06/28/2024
--	--

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QUESTIONS, Page 3

Action 359502

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 359502
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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	No
<i>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.</i>	

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CONDITIONS

Action 359502

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 359502
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/28/2024

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QUESTIONS

Action 380169

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380169
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/05/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 380169

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380169
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/3/2024

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

QUESTIONS

Action 380174

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380174
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/06/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 380174

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380174
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/3/2024

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 380177

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380177
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/07/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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Santa Fe, NM 87505

CONDITIONS

Action 380177

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380177
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/3/2024

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 380181

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380181
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/08/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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1625 N. French Dr., Hobbs, NM 88240
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Santa Fe, NM 87505

CONDITIONS

Action 380181

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380181
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/3/2024

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 380182

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380182
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/09/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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State of New Mexico
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Santa Fe, NM 87505

CONDITIONS

Action 380182

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380182
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/3/2024

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 380189

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380189
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/10/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 380189

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380189
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/3/2024

District I

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 380192

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380192
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/11/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

District I
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Santa Fe, NM 87505

CONDITIONS

Action 380192

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380192
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/3/2024

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

QUESTIONS

Action 380195

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380195
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

District I
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CONDITIONS

Action 380195

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380195
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/3/2024

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 380197

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380197
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	236
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/13/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 380197

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 380197
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/3/2024

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 383278

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383278
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	137
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/16/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

District I
1625 N. French Dr., Hobbs, NM 88240
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 383278

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383278
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/12/2024

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QUESTIONS

Action 383282

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383282
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	137
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/17/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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CONDITIONS

Action 383282

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383282
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/12/2024

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QUESTIONS

Action 383285

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383285
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	137
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/18/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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CONDITIONS

Action 383285

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383285
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/12/2024

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QUESTIONS

Action 383289

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383289
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	137
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/19/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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CONDITIONS

Action 383289

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383289
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/12/2024

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Santa Fe, NM 87505

QUESTIONS

Action 383291

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383291
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Rustler Breaks East Loop Water Line
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	137
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/20/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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CONDITIONS

Action 383291

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 383291
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/12/2024

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State of New Mexico
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 385337

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385337
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	RUSTLER BREAKS EAST LOOP WATER LINE
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	137
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/23/2024
Time sampling will commence	09:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544 -104.05293

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CONDITIONS

Action 385337

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 385337
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/20/2024

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Santa Fe, NM 87505

QUESTIONS

Action 386074

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 386074
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	RUSTLER BREAKS EAST LOOP WATER LINE
Date Release Discovered	06/27/2024
Surface Owner	State

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	39,573
What is the estimated number of samples that will be gathered	137
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/24/2024
Time sampling will commence	09:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.33544,-104.05293

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CONDITIONS

Action 386074

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 386074
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	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.	9/24/2024

From: [Griffin, Becky R.](#)
To: [Ashley Giovengo](#); clinton.talley@matadorresources.com; [Jason Touchet](#); [Jarod Florez](#)
Cc: [Cole Burton](#); [Chad Hamilton](#)
Subject: RE: San Mateo - Rustler Breaks East Loop Water Line - Major Spill Notification
Date: Friday, June 28, 2024 4:18:04 PM
Attachments: [image006.png](#)
[image010.png](#)
[image011.png](#)
[image012.png](#)
[image002.png](#)

[**EXTERNAL EMAIL**]

Thank you for notifying the NMSLO Environmental Compliance Office (ECO) of the incident or release noted in the subject line above and the potential impact to State Trust Land. Once the release is stopped and contained, your cooperation in completing the subsequent remediation tasks is appreciated:

1. Identify compliance requirements for the Cultural Properties Protection (CPP) Rule.
2. Identify avoidance, minimization or mitigation measures for impact to any biologically sensitive areas.
3. Apply for a Right of Entry (ROE) for Remediation if any part of the remediation occurs off of the active lease of the responsible party. A site delineation plan and reclamation plan are required for the ROE application.
(<https://www.nmstatelands.org/resources/forms-and-applications/>)
4. If the remediation closure report is not submitted within 90 days of discovery of the release, a site delineation plan must be submitted to eco@slo.state.nm.us for review and approval. (If delineation and remediation happen concurrently, a remediation plan must be submitted to eco@slo.state.nm.us in place of a site delineation plan.)
5. Subsequent reports that must be submitted to ECO include:
 - **remediation plan;**
 - **reclamation plan, if applicable; or**
 - **remediation with reclamation plan;**
 - **remediation closure report; or**
 - **remediation closure report with reclamation activities report**
 - **reclamation activities report**
 - **final reclamation report, if applicable.**

SAMPLING NOTIFICATIONS

Written notification of the confirmation sampling event must be submitted to ECO a minimum of two (2) business days before the sampling event, or as directed by ECO. Please submit notifications to eco@slo.state.nm.us with the subject line as follows: **(Sampling Notification) Company-Location Name (API/Incident #)-Date**

of Incident.**NMSLO RESOURCES**

- RIGHT OF ENTRY FORMS: Rights of Way Forms - <https://www.nmstatelands.org/resources/forms-and-applications/>
- ECO GUIDANCE DOCUMENTS: Environmental Compliance Office - <https://www.nmstatelands.org/resources/forms-and-applications/> (PENDING)
- LEASE STATUS MAP: <https://mapservice.nmstatelands.org/LandStatus/>
- NMSLO OIL & GAS MANUAL: https://www.nmstatelands.org/wp-content/uploads/2023/07/Oil-and-Gas-Manual-2023-_WEB.pdf
- NMSLO LEASE SEARCH: <https://secure.slo.state.nm.us/Applications/SLOConnect/>

CULTURAL PROPERTIES PROTECTION RULE (19.2.24 NMAC) FOR REMEDIATION AND RECLAMATION ACTIVITIES

- A. As soon as possible, when a new release or damage occurs on STL, contact a Cultural Resource Consultant who will:
1. Conduct an Archaeological Records Management System (ARMS) review to determine if any known cultural properties have been previously identified within the remediation area and if the area has been surveyed for cultural resources.
 2. Advise as to whether an archaeological monitor should be present during initial containment activities and subsequent remediation efforts.
 3. Advise as to whether a full cultural properties survey will be required after containment and before full remediation.
- B. A list of cultural resource consultants permitted to conduct work on state lands is maintained here: <https://www.nhispreservation.org/programs/permits.html>.
- C. To learn more about NMSLO's Cultural Properties Protection Rule visit: <https://www.nmstatelands.org/divisions/cultural-resources-office/culturalproperties/>. CRO can be contacted via email at croinfo@slo.state.nm.us or call 505-827-5781.

BIOLOGICAL COMPLIANCE & REPORTING

ECO recommends utilizing the resources below to determine if the site activities are occurring in a sensitive or restricted area. Also, when additional assistance is needed, ECO recommends consulting with a qualified third-party biologist for evaluation of potential impacts to threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, cave and karst features, and sensitive soils before conducting remediation and reclamation activities.

BIOLOGICAL COMPLIANCE RESOURCES

- New Mexico State Land Office Land Status Map
<https://mapservice.nmstatelands.org/LandStatus>
- U.S. Fish and Wildlife Services Information for Planning and Consultation:
<https://ipac.ecosphere.fws.gov/>
- BISON-M database: <https://bison-m.org/>
- New Mexico Department of Game and Fish Environmental Review Tool (ERT):
<https://nmert.org/content/map>
- Open Enviro Map Wetlands: <https://gis.web.env.nm.gov/oem/?map=wetlands>

Thank you for working with ECO and your efforts to protect State Trust Land,

Environmental Compliance Office

Surface Resources Division

eco@slo.state.nm.us

nmstatelands.org

.....

CONFIDENTIALITY NOTICE - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Friday, June 28, 2024 11:01 AM

To: Griffin, Becky R. <bgriffin@slo.state.nm.us>; clinton.talley@matadorresources.com; Jason Touchet <jason.touchet@matadorresources.com>; Jarod Florez <jarod.florez@matadorresources.com>

Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>

Subject: [EXTERNAL] San Mateo - Rustler Breaks East Loop Water Line - Major Spill Notification

Becky,

Please see the attached Spill and Release Notification Form for the Rustler Breaks East Loop Water Line release (Incident Number nAPP2418024950). Please let me know if you have any questions or need anything additional information.

Thanks,



Ashley Giovengo

Senior Scientist

575-988-0055

Ensolum, LLC



“Your authenticity is your superpower.” – Unknown

Spill and Release Notification Form

Submit Completed Form to spills@eco.state.nm.us

Reporting Party:	Operator Name:
Reporting Party Phone:	NMOCD Incident #:
Reporting Party Email:	Operator Contact Info:
Lessee Name:	NMSLO Lease/ROW/ROE #:
Site Name:	Site Type: Choose an item.
Discovery Date:	API # (if applicable):

Location of Spill or Release

Unit Letter	Section	Township	Range	County

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Nature and Volume of Spill or Release

Material:	Volume Released/Units:	Volume Recovered/Units:
*Was a sensitive receptor directly impacted? Is a sensitive receptor under imminent threat of impact?	Cause of Spill or Release:	

*(i.e. groundwater, continuously flowing or significant watercourse, lakebed, sinkhole, playa lake, spring, drinking water source, or wetland; or any regularly occupied structure including, school, daycare, church, clinic, or residence; or any threatened, endangered, or sensitive wildlife or plant species habitat; or cave or other critical karst features; or sensitive soils.)

Initial Response

- ☐ The source of the spill or release has been stopped and the released materials have been contained.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.
- ☐ The applicable regulatory agency (NMOCD, NMED, or EPA) been notified.
- ☐ Compliance with NMSLO Cultural Properties Protection (CPP) Rule, where applicable.
- ☐ Compliance with applicable NMSLO Threatened and Endangered Species policies or CCAAs, where applicable.

If any of the above have not been completed, explain why:

Site Assessment/Characterization

Complete this section with the most current information available at the time of the notification.
Revisions can be submitted to eco@slo.state.nm.us if new information becomes available.

What is the shallowest depth to groundwater beneath the area affected by the spill?	_____ ft bgs
Did the spill impact areas not on an exploration, development, production, or storage site?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Did this spill impact groundwater or surface water?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Did the spill occur in an area where groundwater is potentially less than 50 ft bgs?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill 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?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill within 1,000 feet of any other fresh water well or spring?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill within incorporated municipal boundaries or within a defined municipal fresh water well field?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill within 300 feet of a wetland?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill overlying a subsurface mine?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill overlying an unstable area such as karst geology?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Are the lateral extents of the spill within a 100-year floodplain?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
Is the spill within 500 feet of any other sensitive receptor not documented above?	<div style="display: flex; justify-content: space-around;"> Yes No </div>
If yes, list the receptor:	

- If remediation has begun, please attach a narrative of actions to date with this initial spill notification.
- Submit subsequent workplans and closure reports to eco@slo.state.nm.us



APPENDIX B

Photographic Log



Photographic Log

San Mateo RB Pipeline, LLC
Rustler Breaks East Loop Water Line
nAPP2418024950



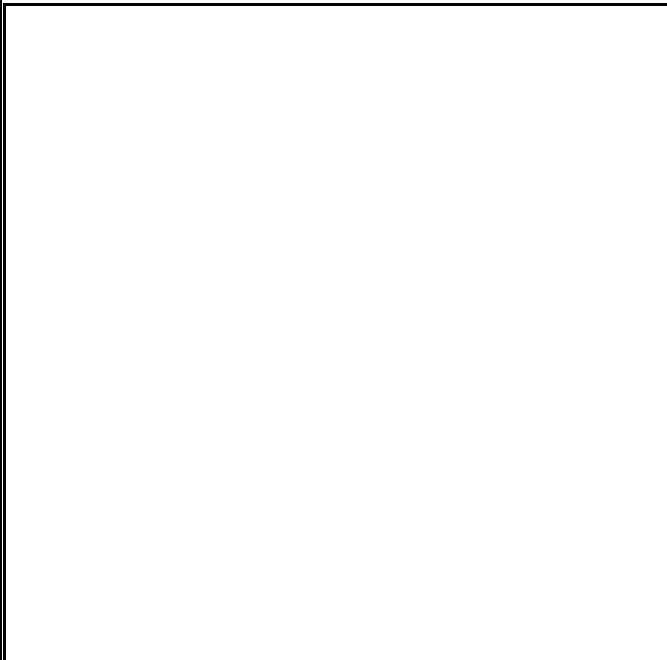
Photograph 1
Description: Reseeding
View: Southwest

Date: 11/11/2024



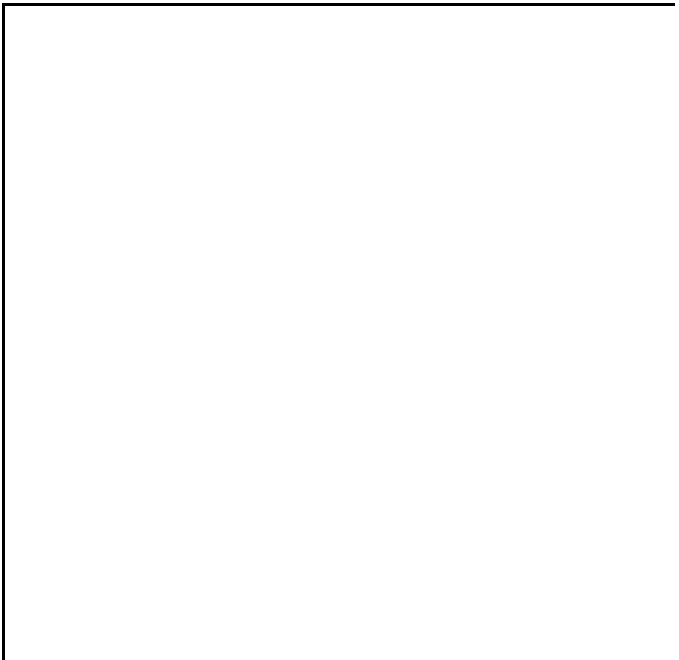
Photograph 2
Description: Reseeding
View: West

Date: 11/11/2024



Photograph 3
Description:
View:

Date:



Photograph 4
Description:
View:

Date:



APPENDIX C

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

San Mateo RB Pipeline

Project Name: Rustler Breaks East Loop
Waterline

Work Order: E501033

Job Number: 23003-0002

Received: 1/8/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/9/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 1/9/25



Ashley Giovengo
3122 National Parks Hwy
Carlsbad, NM 88220

Project Name: Rustler Breaks East Loop Waterline
Workorder: E501033
Date Received: 1/8/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/8/2025 7:15:00AM, under the Project Name: Rustler Breaks East Loop Waterline.

The analytical test results summarized in this report with the Project Name: Rustler Breaks East Loop Waterline 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 regarding 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

San Mateo RB Pipeline	Project Name:	Rustler Breaks East Loop Waterline	Reported:
3122 National Parks Hwy	Project Number:	23003-0002	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	01/09/25 11:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BF01	E501033-01A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.
BF02	E501033-02A	Soil	01/06/25	01/08/25	Glass Jar, 2 oz.



Sample Data

San Mateo RB Pipeline
3122 National Parks Hwy
Carlsbad NM, 88220

Project Name: Rustler Breaks East Loop Waterline
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/9/2025 11:34:51AM

BF01

E501033-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2502038	
Benzene	ND	0.0250	1	01/08/25	01/08/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/08/25	
Toluene	ND	0.0250	1	01/08/25	01/08/25	
o-Xylene	ND	0.0250	1	01/08/25	01/08/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/08/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.6 %	70-130	01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2502038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2502044	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/09/25	
<i>Surrogate: n-Nonane</i>		114 %	50-200	01/08/25	01/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2502040	
Chloride	ND	20.0	1	01/08/25	01/08/25	



Sample Data

San Mateo RB Pipeline
3122 National Parks Hwy
Carlsbad NM, 88220

Project Name: Rustler Breaks East Loop Waterline
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
1/9/2025 11:34:51AM

BF02

E501033-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502038
Benzene	ND	0.0250	1	01/08/25	01/08/25	
Ethylbenzene	ND	0.0250	1	01/08/25	01/08/25	
Toluene	ND	0.0250	1	01/08/25	01/08/25	
o-Xylene	ND	0.0250	1	01/08/25	01/08/25	
p,m-Xylene	ND	0.0500	1	01/08/25	01/08/25	
Total Xylenes	ND	0.0250	1	01/08/25	01/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2502038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/08/25	01/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		01/08/25	01/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2502044
Diesel Range Organics (C10-C28)	ND	25.0	1	01/08/25	01/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/08/25	01/09/25	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/08/25	01/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2502040
Chloride	154	20.0	1	01/08/25	01/08/25	



QC Summary Data

San Mateo RB Pipeline	Project Name:	Rustler Breaks East Loop Waterline	Reported:
3122 National Parks Hwy	Project Number:	23003-0002	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	1/9/2025 11:34:51AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502038-BLK1) Prepared: 01/08/25 Analyzed: 01/08/25

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	7.16		8.00		89.6	70-130			

LCS (2502038-BS1) Prepared: 01/08/25 Analyzed: 01/08/25

Benzene	4.91	0.0250	5.00		98.2	70-130			
Ethylbenzene	4.74	0.0250	5.00		94.8	70-130			
Toluene	4.84	0.0250	5.00		96.7	70-130			
o-Xylene	4.73	0.0250	5.00		94.5	70-130			
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130			
Total Xylenes	14.4	0.0250	15.0		95.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.8	70-130			

Matrix Spike (2502038-MS1) Source: E501029-05 Prepared: 01/08/25 Analyzed: 01/08/25

Benzene	5.09	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	61-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.3	70-130			

Matrix Spike Dup (2502038-MSD1) Source: E501029-05 Prepared: 01/08/25 Analyzed: 01/08/25

Benzene	5.13	0.0250	5.00	ND	103	54-133	0.860	20	
Ethylbenzene	4.94	0.0250	5.00	ND	98.9	61-133	0.517	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	0.724	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131	0.816	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.623	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131	0.686	20	
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.1	70-130			



QC Summary Data

San Mateo RB Pipeline	Project Name:	Rustler Breaks East Loop Waterline	Reported:
3122 National Parks Hwy	Project Number:	23003-0002	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	1/9/2025 11:34:51AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502038-BLK1) Prepared: 01/08/25 Analyzed: 01/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			

LCS (2502038-BS2) Prepared: 01/08/25 Analyzed: 01/08/25

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

Matrix Spike (2502038-MS2) Source: E501029-05 Prepared: 01/08/25 Analyzed: 01/08/25

Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

Matrix Spike Dup (2502038-MSD2) Source: E501029-05 Prepared: 01/08/25 Analyzed: 01/08/25

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.7	70-130	9.53	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			



QC Summary Data

San Mateo RB Pipeline	Project Name:	Rustler Breaks East Loop Waterline	Reported:
3122 National Parks Hwy	Project Number:	23003-0002	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	1/9/2025 11:34:51AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2502044-BLK1)					Prepared: 01/08/25 Analyzed: 01/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.6		50.0		107	50-200			

LCS (2502044-BS1)					Prepared: 01/08/25 Analyzed: 01/08/25				
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	58.4		50.0		117	50-200			

Matrix Spike (2502044-MS1)					Source: E501028-02		Prepared: 01/08/25 Analyzed: 01/08/25		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			

Matrix Spike Dup (2502044-MSD1)					Source: E501028-02		Prepared: 01/08/25 Analyzed: 01/08/25		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132	0.219	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			



QC Summary Data

San Mateo RB Pipeline	Project Name:	Rustler Breaks East Loop Waterline	Reported:
3122 National Parks Hwy	Project Number:	23003-0002	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	1/9/2025 11:34:51AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2502040-BLK1)					Prepared: 01/08/25 Analyzed: 01/08/25				
Chloride	ND	20.0							
LCS (2502040-BS1)					Prepared: 01/08/25 Analyzed: 01/08/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2502040-MS1)					Source: E501028-08		Prepared: 01/08/25 Analyzed: 01/08/25		
Chloride	266	20.0	250	ND	106	80-120			
Matrix Spike Dup (2502040-MSD1)					Source: E501028-08		Prepared: 01/08/25 Analyzed: 01/08/25		
Chloride	264	20.0	250	ND	106	80-120	0.519	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

San Mateo RB Pipeline	Project Name:	Rustler Breaks East Loop Waterline	
3122 National Parks Hwy	Project Number:	23003-0002	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	01/09/25 11:34

- 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.

Page 1 of 1

envirotech

Envirotech Analytical Laboratory

Printed: 1/8/2025 8:27:19AM

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:	San Mateo RB Pipeline	Date Received:	01/08/25 07:15	Work Order ID:	E501033
Phone:	(575) 988-0055	Date Logged In:	01/07/25 14:45	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	01/14/25 17:00 (4 day TAT)		

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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: COURIERComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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?	No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

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

Date



envirotech Inc.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 431650

QUESTIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 431650
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2418024950
Incident Name	NAPP2418024950 RUSTLER BREAKS EAST LOOP WATER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	RUSTLER BREAKS EAST LOOP WATER LINE
Date Release Discovered	06/27/2024
Surface Owner	State

Incident Details*Please answer all the questions in this group.*

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 291 BBL Recovered: 43 BBL Lost: 248 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 431650

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 431650
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 10/16/2024
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QUESTIONS, Page 3

Action 431650

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 431650
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 1000 (ft.) and ½ (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 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	35100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4750
GRO+DRO (EPA SW-846 Method 8015M)	2680
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	09/04/2024
On what date will (or did) the final sampling or liner inspection occur	09/24/2024
On what date will (or was) the remediation complete(d)	09/24/2024
What is the estimated surface area (in square feet) that will be reclaimed	39600
What is the estimated volume (in cubic yards) that will be reclaimed	8000
What is the estimated surface area (in square feet) that will be remediated	39600
What is the estimated volume (in cubic yards) that will be remediated	8000
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 431650

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 431650
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	<i>Not answered.</i>
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Lea Land LLC Hobbs NM
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>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>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 10/16/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 431650

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 431650
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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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QUESTIONS, Page 6

Action 431650

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 431650
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	386074
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/24/2024
What was the (estimated) number of samples that were to be gathered	137
What was the sampling surface area in square feet	39573

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	39600
What was the total volume (cubic yards) remediated	8000
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	39600
What was the total volume (in cubic yards) reclaimed	8000
Summarize any additional remediation activities not included by answers (above)	N/A

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 10/16/2024
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QUESTIONS, Page 7

Action 431650

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 431650
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	39600
What was the total volume of replacement material (in cubic yards) for this site	5139
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a 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.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	10/08/2024
Summarize any additional reclamation activities not included by answers (above)	Following backfill activities, the disturbed area was contoured to match the surrounding topography and the surface was prepared for seeding. Upon confirmation that the excavation was backfilled with non-waste containing material, the disturbed pasture area will be seeded with a certified weed-free seed mix. The James H & Betty Howell Trust Mix was used to seed the Site. The seed mix was applied via drill seeding. The Site will be monitored for vegetation growth to ensure that reclamation activities were successful.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 02/13/2025

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QUESTIONS, Page 8

Action 431650

QUESTIONS (continued)

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 431650
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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CONDITIONS

Action 431650

CONDITIONS

Operator: San Mateo RB Pipeline, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330263
	Action Number: 431650
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	5/30/2025