



July 30, 2024

New Mexico Oil Conservation Division

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

**Re: Deferral Request
Michael K 21 22 Federal #111H Well Pad
Incident Number nAPP2406241127
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Deferral Request* to document excavation and soil sampling activities performed at the Michael K 21 22 Federal #111H Well Pad (Site). The purpose of the excavation and soil sampling activities was to address impacts to soil following a release of produced water onto the well pad. Based on field observations following excavation activities, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Deferral Request*, describing Site assessment and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2406241127 until the Site is reconstructed and/or the pad is abandoned.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit E, Section 20, Township 20 South, Range 29 East, in Eddy County, New Mexico (32.56296°, -104.09013°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On March 2, 2024, an equipment failure resulted in the release of approximately 22 barrels (bbls) of crude oil on to the pad; 20 bbls of crude oil was recovered immediately upon discovery of the release. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) via email and submitted a Release Notification Form C-141 (Form C-141) via web portal on March 6, 2024, and the release was assigned Incident Number nAPP2406241127.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the initial C-141 application subsection, Site Characterization.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well CP 01866 POD1, with a depth to water measurement of 44 feet below ground surface (bgs). The well is located 1.21 miles southwest of the Site. All wells used to establish

Matador Production Company
Michael K 21 22 Federal #111H Well Pad
Deferral Request

depth to groundwater are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a wetland area, located approximately 906 feet north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is not within 1,000 feet of a freshwater well or spring. The Site is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Potential 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): 100 mg/kg
- Chloride: 600 mg/kg

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On March 4, 2024, Ensolum personnel were onsite to map the release extent and on March 8, 2024, to begin delineation sampling of the release area. Delineation soil samples SS01 through SS06A were collected at the ground surface (0 feet bgs) to verify the lateral extent of the release area. Seven borehole samples, BH01 through BH07, were advanced via hand auger to depths ranging from 1-foot to 4 feet bgs to verify the vertical extent of the release area. Soil samples were field screened for chloride and TPH utilizing Hach[®] chloride QuanTab[®] test strips and Mohr's titration method and a PetroFLAG[®] Soil Analyzer System, respectively. All boreholes and delineation soil sample locations are depicted on Figure 2. A photographic log including delineation and excavation activities can be found 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 delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Laboratory Analysis (Envirotech) in Farmington, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

From April 15 through May 8, 2024, Ensolum personnel were on the Site to complete excavation of the accessible release area. Excavation of the release area was completed with a backhoe, track hoe, loader, hydrovac, and hand tools to depths ranging from the ground surface to 20 feet bgs. Following removal of impacted soil, Ensolum personnel collected 273, 5-point composite soil samples (FS001 through FS273) representing up to 200 square feet from the excavation floor and 19 from the sidewall. Twelve sidewall samples (SW01 through SW06, SW13 through SW16, and SW18 and SW19) were collected from the edge of the release extent at depths ranging from the ground surface to 6 feet bgs and seven sidewall samples (SW07 through SW12 and SW17) were collected from the edge of equipment areas. 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. Excavation confirmation floor, sidewall, and borehole soil samples were handled and analyzed following

Matador Production Company
Michael K 21 22 Federal #111H Well Pad
Deferral Request

the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

A total of approximately 9,904 cubic yards of impacted soil was removed during excavation activities to the maximum extent practicable (MEP). The final excavation extent measured approximately 54,536 square feet. The impacted soil was removed during the excavation activities and was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was secured with fencing. Following deferral, Matador intends to complete remediation of the on-pad and off-pad spill areas in accordance with the site Closure Criteria and according to the reclamation requirement following major Site reconstruction or reclamation of the production pad.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS06A) collected at 0 feet bgs were all in compliance with the strictest Closure Criteria for the Site per NMOCD Table I. Laboratory analytical results for all excavation floor confirmation samples (FS001 through FS273) were in compliance with the Closure Criteria for the Site, with the exception of floor confirmation sample FS045 for TPH. Sidewall samples SW08 through SW11 and SW17 did not meet Site Closure Criteria for chlorides and TPH. These sample locations are in the direct vicinity of production equipment piping and supports, limiting further excavation. Vertical delineation in compliance with the strictest Closure Criteria was achieved in BH01 through BH07 at depths ranging from ground surface to 4 feet bgs.

Excavation floor confirmation samples were in compliance with the strictest Closure Criteria per 19.15.29.13.D (1) NMAC. The laboratory analytical results are summarized in Tables 1, 2, and 3 and the complete laboratory analytical reports are included in Appendix D. All sampling notifications to NMOCD and additional correspondence is included in Appendix E.

DEFERRAL REQUEST

Matador is requesting deferral of final remediation due to the presence of active production equipment, process piping, and the supports beneath them, preventing full excavation of impacted soil. The estimated area of remaining impacted soil measures approximately 1,782 square feet, and assuming a depth of up to 2 feet bgs under a chemical containment and around the wellheads based on the analytical results from surrounding confirmation samples and based on delineation borehole BH07, a total of approximately 132 cubic yards of impacted soil remains in place. Soil in the vicinity of floor confirmation soil samples FS045 are included in this deferral request due to the proximity of production equipment and safety concerns of excavating deeper, which has the potential to destabilize the equipment and harm workers and/or the environment. The deferral area and delineation soil samples are depicted on Figure 4.

Impacted soil is limited to the area beneath active production equipment, where remediation would require a major facility deconstruction. The release extent has been laterally delineated by delineation soil samples SS01 through SS06A at 0 feet bgs and vertically delineated by borehole samples BH01 through BH07 at depths ranging from 1-foot to 4 feet bgs.

Matador does not believe deferral will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be 44 feet bgs, and all accessible impacted soil was removed to the MEP during the excavation activities. Any gross impacts were removed via scraping of the ground surface. Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Matador requests

Matador Production Company
Michael K 21 22 Federal #111H Well Pad
Deferral Request

deferral of final remediation for Incident Number nAPP2404348731 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,
Ensolum, LLC

Chad Hamilton
Staff Geologist

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

cc: Clinton Talley, Matador Production Company








Appendices:

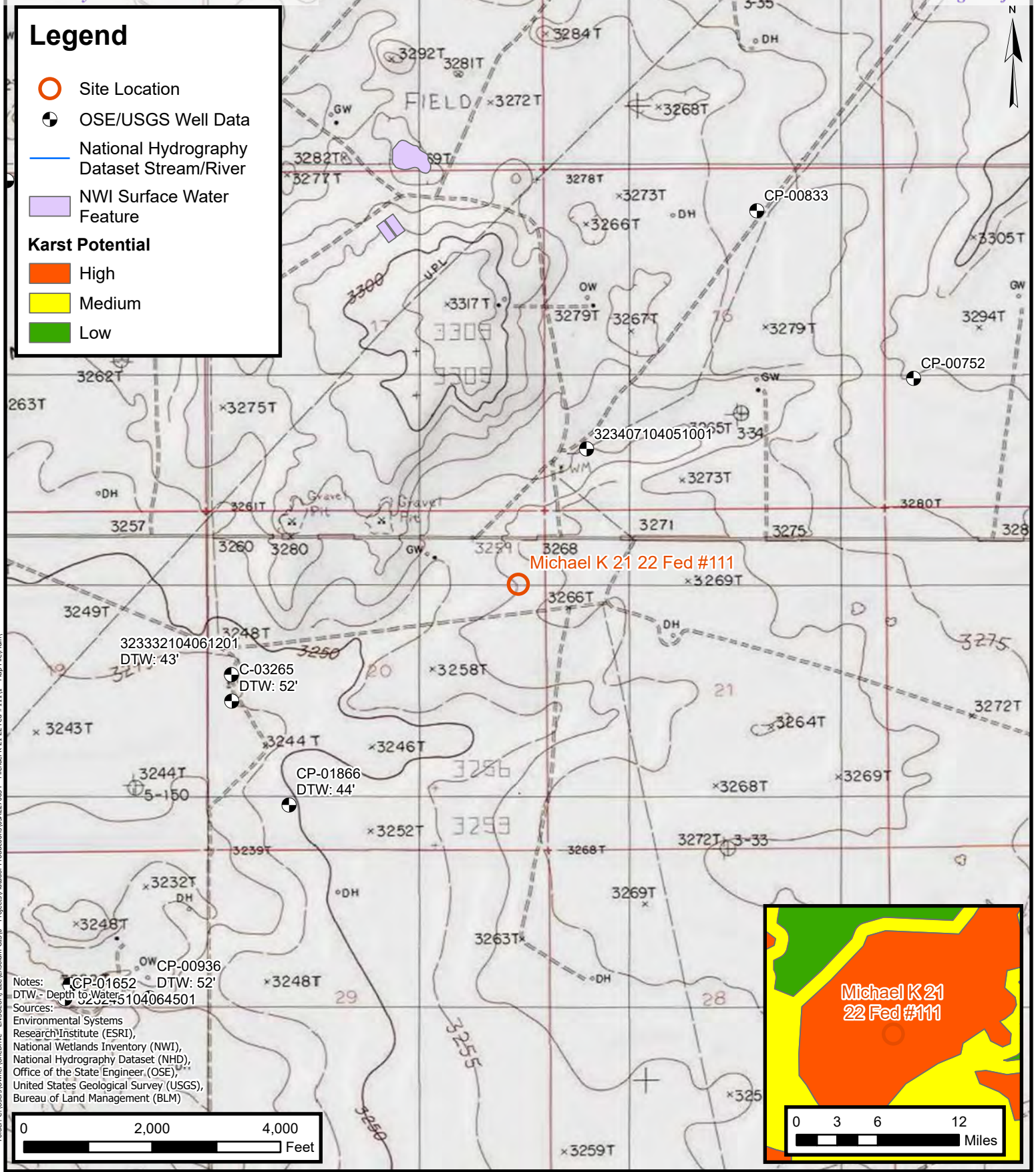
Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Area of Requested Deferral
Table 1	Delineation Soil Sample Analytical Results
Table 2	Excavation Soil Sample Analytical Results
Table 3	Sidewall Soil Sample Analytical Results
Appendix A	Well Log and Record
Appendix B	Photographic Log
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	Email Correspondence



FIGURES

Legend

-  Site Location
 -  OSE/USGS Well Data
 -  National Hydrography Dataset Stream/River
 -  NWI Surface Water Feature
- Karst Potential**
-  High
 -  Medium
 -  Low



Notes:
 DTW: Depth to Water
 Sources:
 Environmental Systems
 Research Institute (ESRI),
 National Wetlands Inventory (NWI),
 National Hydrography Dataset (NHD),
 Office of the State Engineer (OSE),
 United States Geological Survey (USGS),
 Bureau of Land Management (BLM)

Site Receptor Map

Matador Productions
 Michael K 21 22 Fed #111H
 Incident Number: nAPP2426241127
 Unit E, Section 20, T 20S, R 29E
 Eddy County, New Mexico

FIGURE

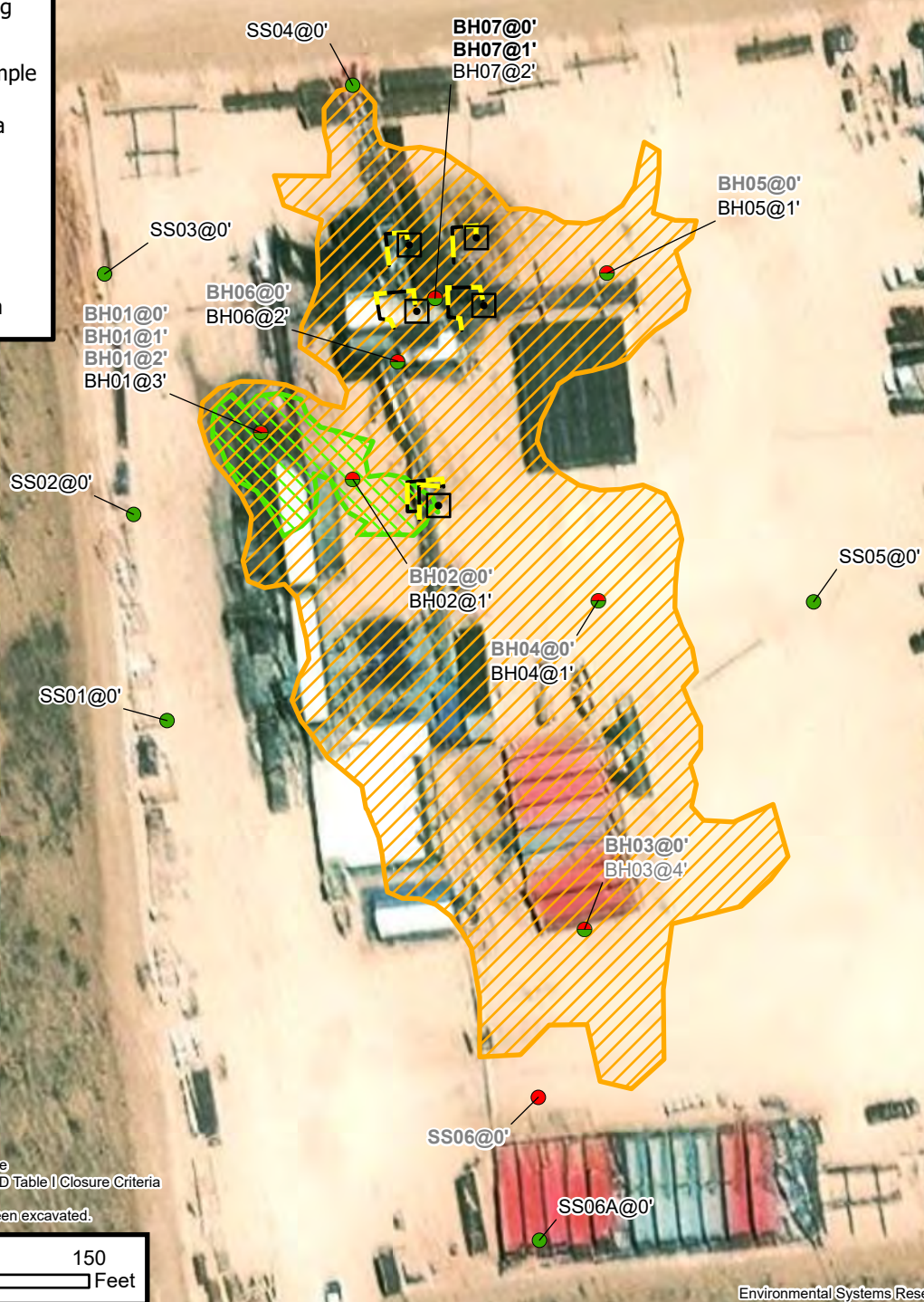
1



Document Path: C:\Users\Peter.Rodriguez\OneDrive - ENSOLUM, LLC\Desktop\PAR_GIS\File Path Structure3 - Carlsbad\Matador Production Company\03A2270034 - Michael K 21 22 Fed #111H - Project\Michael K 21 22 Fed #111H.aprx

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Delineation Soil Sample Not in Compliance with Closure Criteria
- Wellhead Location
- Pipeline Location
- ▨ Spill Area
- ▨ Visibly Stained Area



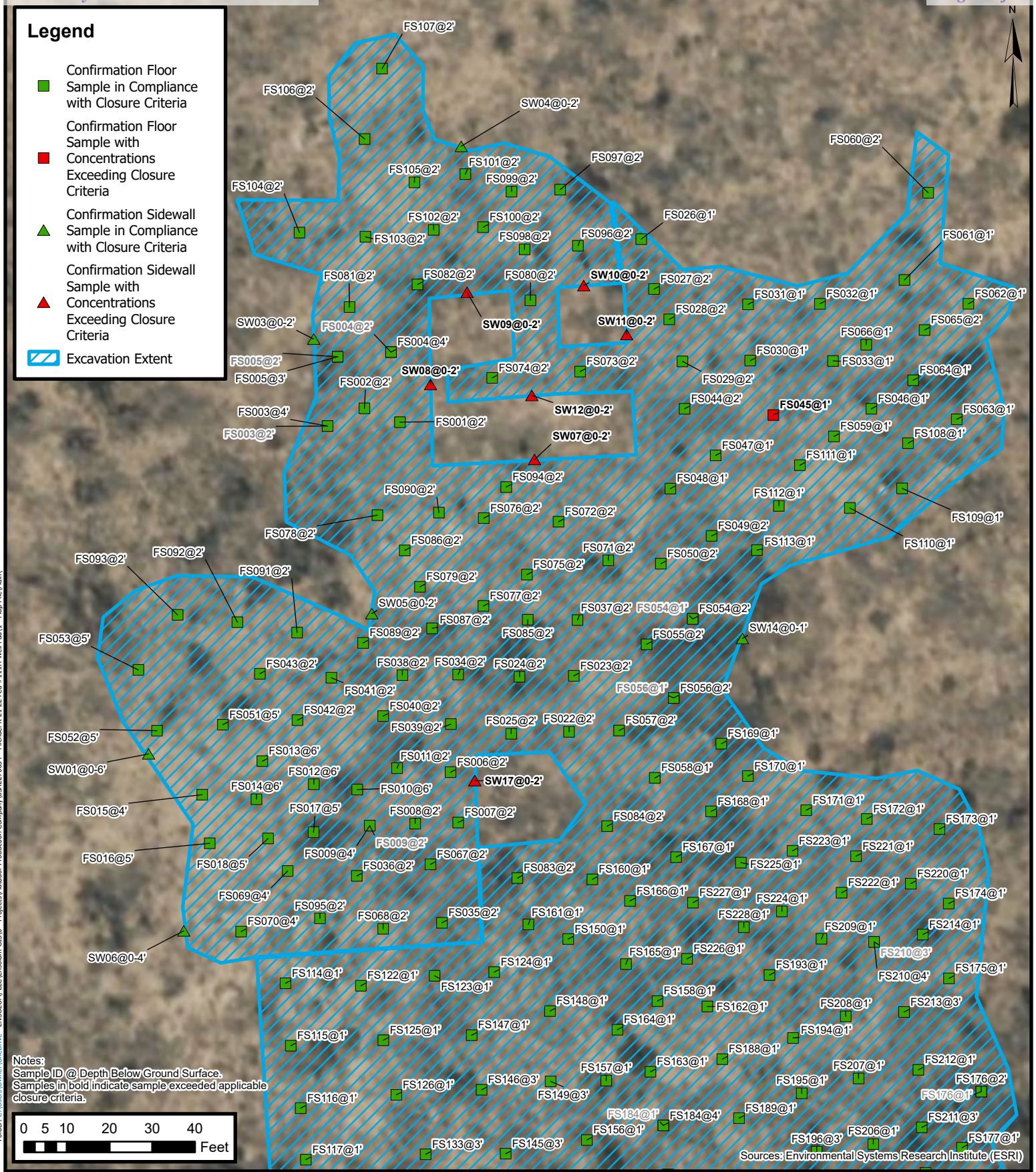
Notes:
 Sample ID @ Depth Below Ground Surface
 Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.
 Grey text represents samples that have been excavated.

Source: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

Matador Production Company
 Michael K 21 22 Fed #111H
 Incident Number: nAPP2406241127
 Unit E, Section 20, T 20S, R 29E
 Eddy County, New Mexico

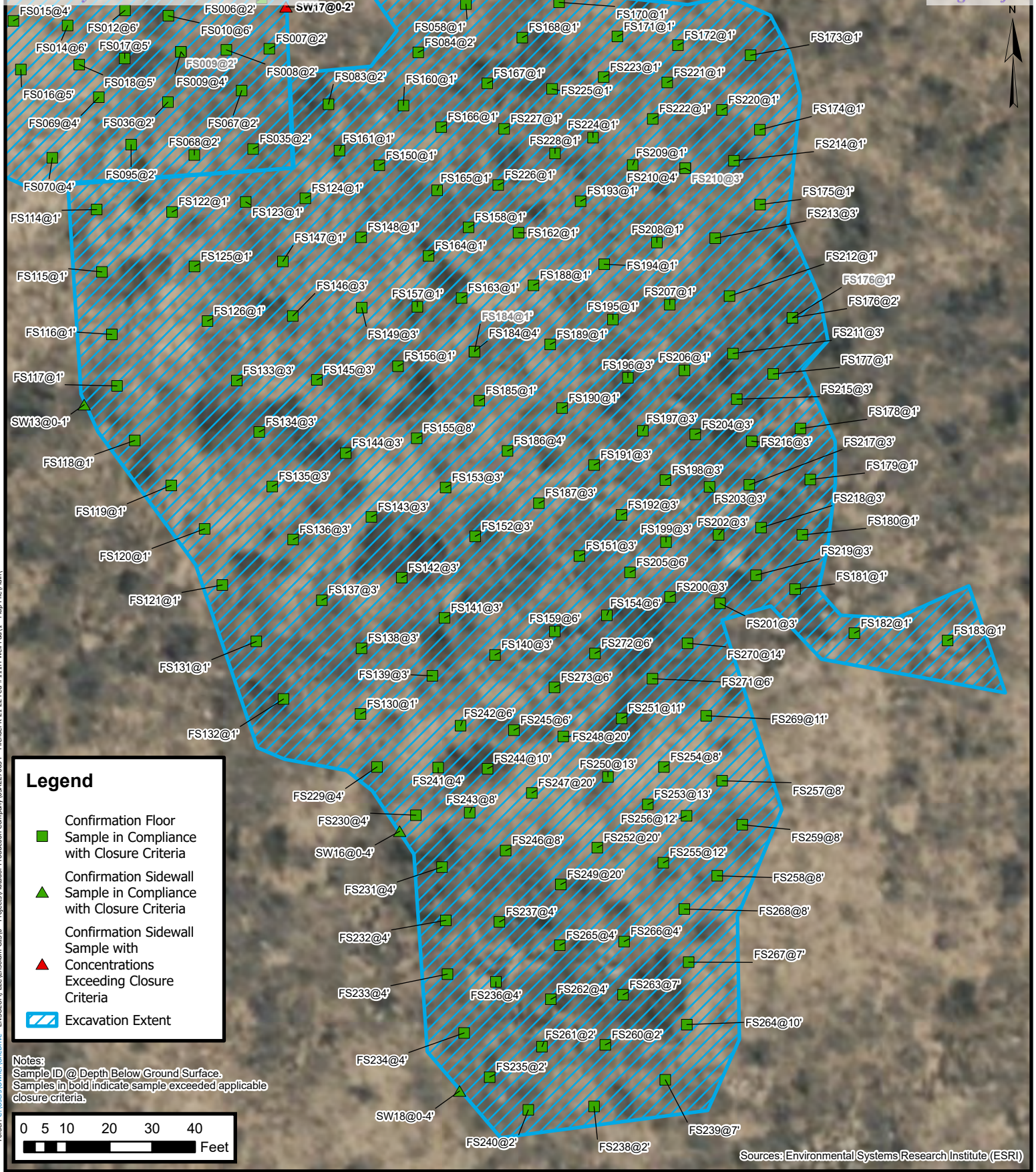
FIGURE
2



Confirmation Soil Sample Locations
 Matador Production Company
 Michael K 21 22 Fed #111H Well Pad
 Incident Number: nAPP2406241127
 Unit E, Section 20, Township 20S, Range 29E
 Eddy County, New Mexico

FIGURE 3a





Confirmation Soil Sample Locations

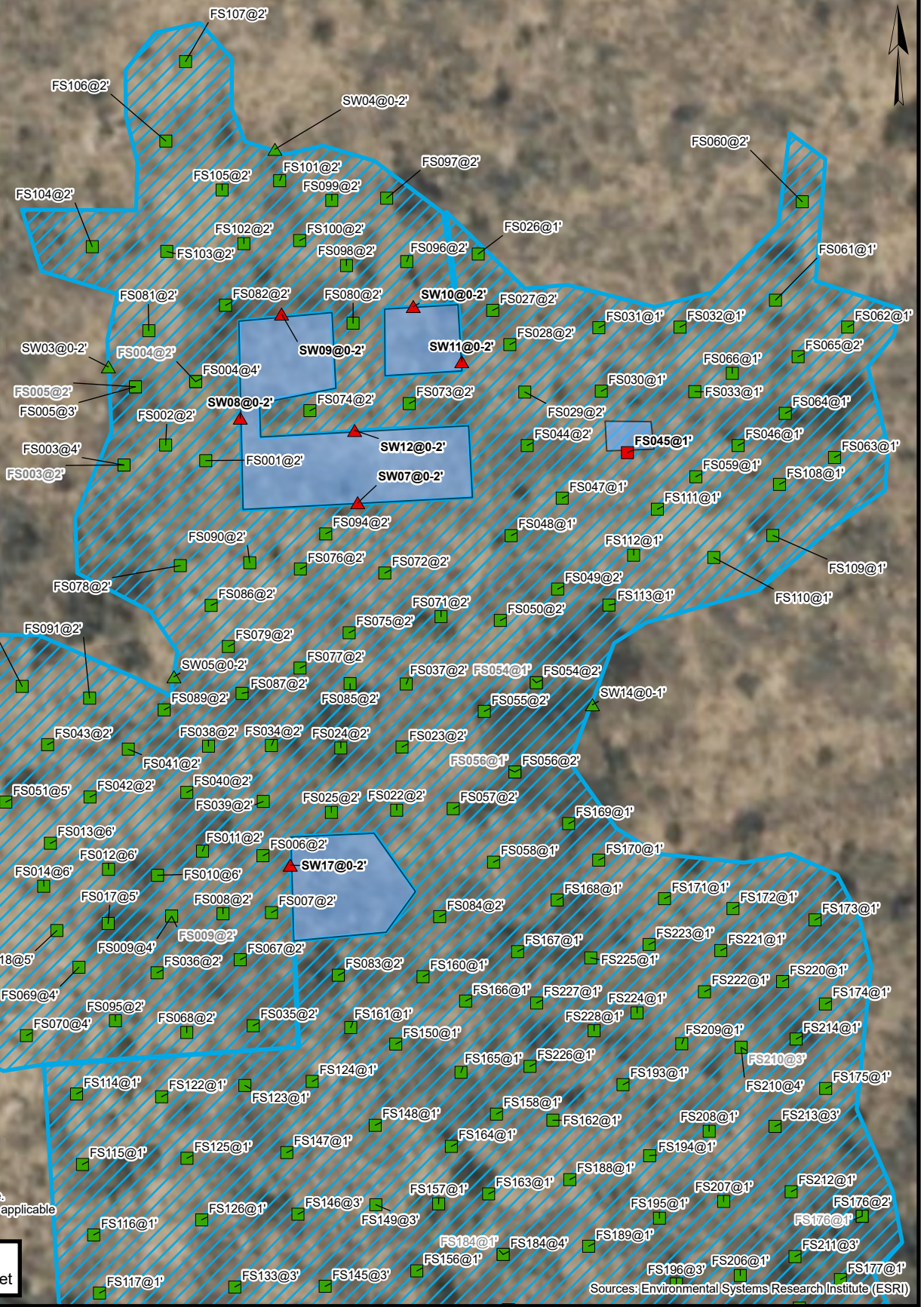
Matador Production Company
 Michael K 21 22 Fed #111H Well Pad
 Incident Number: nAPP2406241127
 Unit E, Section 20, Township 20S, Range 29E
 Eddy County, New Mexico

FIGURE
3b



Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- Confirmation Floor Sample with Concentrations Exceeding Closure Criteria
- Confirmation Sidewall Sample in Compliance with Closure Criteria
- Confirmation Sidewall Sample with Concentrations Exceeding Closure Criteria
- Deferral Area
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable closure criteria.

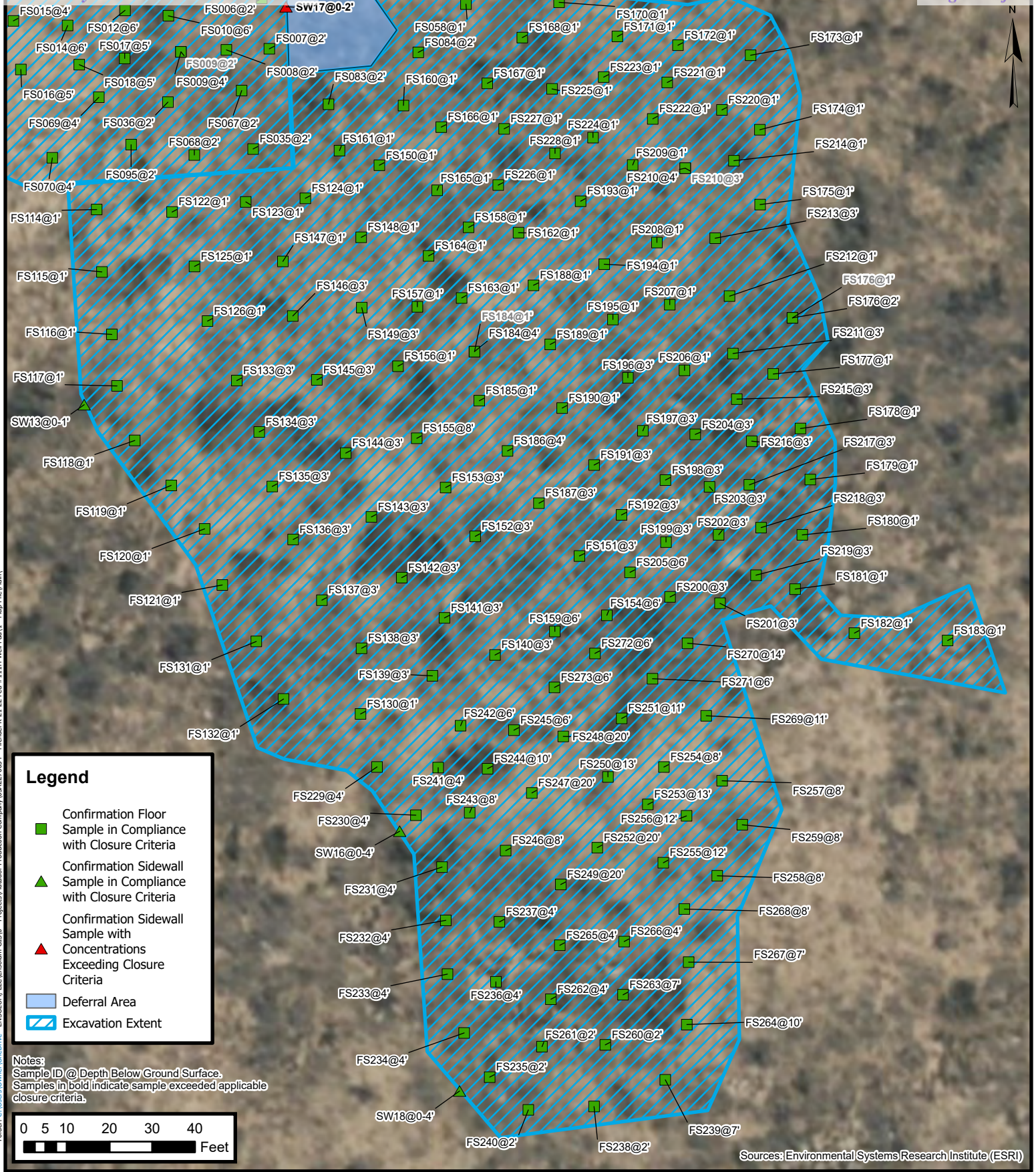
Sources: Environmental Systems Research Institute (ESRI)

Area of Requested Deferral

Matador Production Company
 Michael K 21 22 Fed #111H Well Pad
 Incident Number: nAPP2406241127
 Unit E, Section 20, Township 20S, Range 29E
 Eddy County, New Mexico

FIGURE
 4a





Area of Requested Deferral

Matador Production Company
 Michael K 21 22 Fed #111H Well Pad
 Incident Number: nAPP2406241127
 Unit E, Section 20, Township 20S, Range 29E
 Eddy County, New Mexico

FIGURE 4b





TABLES



**TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS**

Michael K 21 22 Fed #111H
Matador Production Company
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)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	3/4/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS02	3/4/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<200
SS03	3/4/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<200
SS04	3/13/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	295
SS05	3/13/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	192
SS06	3/13/2024	0	<0.0250	<0.0250	<20.0	57.8	<50.0	57.8	57.8	638
SS06A	4/2/2024	0	<0.0250	<0.0250	<20.0	57.8	<50.0	<25.0	<50.0	178
BH01	3/8/2024	0	<0.0250	<0.0250	<20.0	90.8	<50.0	90.8	90.8	5,800
BH01	3/8/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	3,260
BH01	3/8/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,400
BH01	3/8/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	233
BH02	3/8/2024	0	<0.0250	<0.0250	<20.0	152	<50.0	152	152	1,220
BH02	3/8/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	171
BH03	4/2/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	14,500
BH03	4/2/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<100
BH04	4/2/2024	0	<0.0250	<0.0250	<20.0	27.5	<50.0	27.5	27.5	1,120
BH04	4/2/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05	4/2/2024	0	<0.0250	<0.0250	<20.0	1,070	685	1,070	1,755	11,000
BH05	4/2/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	514
BH06	4/2/2024	0	<0.0250	0.0823	<20.0	883	598	<25.0	1,481	1,730
BH06	4/2/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCDC: 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 NMOCDC 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 - CONT'D SOIL SAMPLE ANALYTICAL RESULTS Michael K 21 22 Fed #111H Matador Production Company 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	NE	100	600
Delineation Soil Samples										
BH07	5/31/2024	0	<0.0250	<0.0250	<20.0	1,240	2,260	1,240	3,500	10,900
BH07A	5/31/2024	1	<0.0250	<0.0250	<20.0	480	987	480	1,467	2,090
BH07B	5/31/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	249

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 2
SOIL SAMPLE ANALYTICAL RESULTS

Michael K 21 22 Fed #111H
Matador Production Company
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	NE	100	600
Confirmation Soil Samples										
FS001	5/21/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS002	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	223
FS003	5/21/2024	2	<0.0250	<0.0250	<20.0	208	198	208	406	336
FS003	6/10/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS004	5/21/2024	2	<0.0250	<0.0250	<20.0	94.4	174	94.4	268.4	271
FS004	6/10/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS005	5/24/2024	2	<0.0250	<0.0250	<20.0	33.6	74.2	33.6	107.8	132
FS005	6/10/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS006	5/21/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	98.5
FS007	5/21/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS008	5/21/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS009	5/21/2024	2	<0.0250	<0.0250	<20.0	69.4	102	69.4	171.4	<200
FS009	6/10/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS010	5/24/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	83.6
FS011	5/21/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	206
FS012	5/24/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	124
FS013	5/24/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	39.1
FS014	5/24/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	27.1
FS015	5/22/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS016	5/23/2024	5	<0.0250	<0.0250	<20.0	29.4	62.5	29.4	91.9	67.2
FS017	5/23/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	187
FS018	5/23/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS019	5/22/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	21.7
FS020	5/22/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	31.4
FS021	5/22/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	70.6
FS022	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	28.0
FS023	5/23/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	220
FS024	5/23/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	214
FS025	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	175
FS026	5/23/2024	1	<0.0250	<0.0250	<20.0	28.3	53.1	28.3	81.4	164
FS027	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	70.3
FS028	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	141

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS

Michael K 21 22 Fed #111H
Matador Production Company
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	NE	100	600
Confirmation Soil Samples										
FS029	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	31.0
FS030	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	104
FS031	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	132
FS032	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS033	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS034	5/23/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS035	5/23/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	33.0
FS036	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	308
FS037	5/24/2024	2	<0.0250	<0.0250	<20.0	26.7	<50.0	26.7	26.7	<20.0
FS038	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	208
FS039	5/23/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	110
FS040	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	100
FS041	5/23/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	118
FS042	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	122
FS043	5/23/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	232
FS044	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	107
FS045	5/23/2024	1	<0.0250	<0.0250	<20.0	43.5	137.0	43.5	180.5	140
FS046	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	127
FS047	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	125
FS048	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	103
FS049	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	148
FS050	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	160
FS051	5/24/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	82.2
FS052	5/24/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	67.2
FS053	5/24/2024	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	70.3
FS054	5/23/2024	1	<0.0250	<0.0250	<20.0	32.6	99.0	32.6	131.6	33.6
FS054	7/15/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	100
FS055	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	108
FS056	5/23/2024	1	<0.0250	<0.0250	<20.0	50.8	98.6	50.8	149.4	140
FS056	7/15/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	21.5
FS057	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	201
FS058	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	102



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS

Michael K 21 22 Fed #111H
Matador Production Company
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	NE	100	600
Confirmation Soil Samples										
FS059	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	51.5
FS060	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	24.7
FS061	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS062	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	25.2
FS063	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	30.7
FS064	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	207
FS065	5/24/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	28.5
FS066	5/23/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	27.0
FS067	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS068	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS069	5/29/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS070	5/29/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS071	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	48.8
FS072	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	245
FS073	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	232
FS074	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	51.8
FS075	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	54.9
FS076	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS077	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS078	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	53.0
FS079	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	49.4
FS080	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS081	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS082	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS083	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS084	5/29/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	243
FS085	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.4
FS086	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	77.0
FS087	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	27.0
FS088	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS089	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	123
FS090	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	28.4

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS

Michael K 21 22 Fed #111H
Matador Production Company
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	NE	100	600
Confirmation Soil Samples										
FS091	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	93.9
FS092	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS093	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	40.4
FS094	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS095	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	127
FS096	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	26.5
FS097	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS098	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	183
FS099	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	26.8
FS100	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	32.1
FS101	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	29.8
FS102	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	86.8
FS103	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	82.0
FS104	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	81.2
FS105	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS106	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS107	5/30/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS108	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS109	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	45.7
FS110	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	48.1
FS111	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	21.0
FS112	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	77.3
FS113	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	164
FS114	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	152
FS115	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	72.8
FS116	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	31.1
FS117	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	51.0	<20.0	51.0	371
FS118	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	47.5
FS119	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS120	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	137
FS121	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	124
FS122	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	45.1



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS

Michael K 21 22 Fed #111H
Matador Production Company
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	NE	100	600
Confirmation Soil Samples										
FS123	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.4
FS124	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	74.1
FS125	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	147
FS126	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	21.2
FS127	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	180
FS128	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	124
FS129	5/31/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	243
FS130	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS131	6/3/2024	1	<0.0250	<0.0250	<20.0	27.3	<50.0	27.3	27.3	74.2
FS132	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS133	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS134	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS135	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	162
FS136	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	185
FS137	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	191
FS138	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	186
FS139	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	158
FS140	6/3/2024	3	<0.0250	<0.0250	<20.0	32.9	<50.0	32.9	32.9	76.8
FS141	6/3/2024	3	<0.0250	<0.0250	<20.0	27.5	<50.0	27.5	27.5	76.0
FS142	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	129
FS143	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	203
FS144	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	245
FS145	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	123
FS146	6/3/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	70.3
FS147	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	257
FS148	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	232
FS149	6/4/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	203
FS150	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	263
FS151	6/4/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS152	6/4/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	141
FS153	6/4/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS154	6/13/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS

Michael K 21 22 Fed #111H
Matador Production Company
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	NE	100	600
Confirmation Soil Samples										
FS155	6/14/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS156	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	265
FS157	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	229
FS158	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	213
FS159	6/13/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS160	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	228
FS161	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	148
FS162	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS163	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	21.7
FS164	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	217
FS165	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	102
FS166	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	88.1
FS167	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS168	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS169	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	86.4
FS170	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS171	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	216
FS172	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS173	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	87.3
FS174	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	81.7
FS175	6/3/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	89.9
FS176	6/4/2024	1	<0.0250	<0.0250	<20.0	2,190	<50.0	2,190	2,190	<100
FS176	7/15/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS177	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
FS178	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS179	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS180	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS181	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS182	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	330
FS183	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	23.0
FS184	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	754
FS184	6/21/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	151

**TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS**

Michael K 21 22 Fed #111H
Matador Production Company
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	NE	100	600
Confirmation Soil Samples										
FS185	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	279
FS186	6/11/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS187	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS188	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	141
FS189	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	77.0
FS190	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	132
FS191	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS192	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS193	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	95.6
FS194	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	297
FS195	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	76.7
FS196	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS197	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS198	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS199	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	244
FS200	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS201	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	116
FS202	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS203	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS204	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	236
FS205	6/13/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS206	6/5/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	104
FS207	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	78.9
FS208	6/5/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS209	6/5/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS210	6/5/2024	3	<0.0250	<0.0250	<20.0	426	79.1	79.1	505	61.7
FS210	7/15/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS211	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	465
FS212	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	179
FS213	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	127
FS214	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	142
FS215	6/11/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS

Michael K 21 22 Fed #111H
Matador Production Company
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	NE	100	600
Confirmation Soil Samples										
FS216	6/11/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS217	6/11/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS218	6/11/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS219	6/5/2024	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS220	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS221	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS222	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS223	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS224	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	81.4
FS225	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	237
FS226	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	82.3
FS227	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
FS228	6/4/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	85.9
FS229	6/5/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS230	6/5/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS231	6/5/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	181
FS232	6/5/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS233	6/5/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS234	6/5/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS235	6/6/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS236	6/6/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS237	6/6/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	248
FS238	6/6/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	106
FS239	6/12/2024	7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS240	6/6/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS241	6/6/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	413
FS242	6/12/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	146
FS243	6/13/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS244	6/14/2024	10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	327
FS245	6/12/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	260
FS246	6/21/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS247	6/17/2024	20	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	347



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS

Michael K 21 22 Fed #111H
Matador Production Company
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	NE	100	600
Confirmation Soil Samples										
FS248	6/25/2024	20	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS249	6/25/2024	20	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS250	6/17/2024	13	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	169
FS251	6/17/2024	11	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS252	6/25/2024	20	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS253	6/17/2024	13	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	344
FS254	6/21/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS255	6/14/2024	12	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	519
FS256	6/14/2024	12	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	261
FS257	6/13/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	353
FS258	6/13/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS259	6/13/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS260	6/7/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS261	6/7/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS262	6/7/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS263	6/12/2024	7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS264	6/13/2024	10	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS265	6/7/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS266	6/7/2024	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS267	6/12/2024	7	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	374
FS268	6/13/2024	8	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	237
FS269	6/17/2024	11	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	363
FS270	6/21/2024	14	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	313
FS271	6/13/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
FS272	6/13/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<200
FS273	6/13/2024	6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	460

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics



TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS Michael K 21 22 Fed #111H Matador Production Company 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)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Confirmation Soil Samples										

NMAC: New Mexico Administrative Code

TPH: Total Petroleum Hydrocarbon

Grey text represents samples that have been excavated

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

"<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCDC 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.

TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS

Michael K 21 22 Fed #111H
Matador Production Company
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)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Confirmation Sidewall Soil Samples										
SW01	5/24/2024	0-6	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	47.6
SW02	5/24/2024	0-1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	149
SW03	5/29/2024	0-2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<40.0
SW04	5/30/2024	0-2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	31.4
SW05	5/30/2024	0-2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	40.4
SW06	5/30/2024	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	260
SW07	5/31/2024	0-2	<0.0250	<0.0250	<20.0	182	291	182	473	19,600
SW08	5/31/2024	0-2	<0.0250	<0.0250	<20.0	393	793	393	1,186	1,910
SW09	5/31/2024	0-2	<0.0250	<0.0250	<20.0	249	536	249	2,995	4,310
SW10	5/31/2024	0-2	<0.0250	<0.0250	<20.0	2,530	4,270	2,530	6,800	27,500
SW11	5/31/2024	0-2	<0.0250	<0.0250	<20.0	676	502	676	1,178	27,900
SW12	5/31/2024	0-2	<0.0250	<0.0250	<20.0	1,240	2,350	1,240	3,590	10,500
SW13	5/31/2024	0-1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	104
SW14	5/31/2024	0-1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	105
SW15	6/3/2024	0-1	<0.0250	<0.0250	<20.0	43.5	<50.0	43.5	43.5	71.0
SW16	6/5/2024	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	129
SW17	6/5/2024	0-2	<0.0250	<0.0250	<20.0	1,410	4,160	1,410	5570	14,900
SW18	6/6/2024	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100
SW19	6/7/2024	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<100

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCDC: 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 NMOCDC 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 and Record

OSE DOT APR 6 2021 PM 4:27



WELL RECORD & LOG


OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1 (BH01)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1866			
	WELL OWNER NAME(S) Matador Production Company Attn. John Hurt				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5400 LBJ Freeway, Suite 1500				CITY Dallas	STATE TX	ZIP 75240	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 33	SECONDS 12.90	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 104	6	6.60	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW SW SW Sec. 20 T20S R29E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 03/17/2021		DRILLING ENDED 03/17/2021	DEPTH OF COMPLETED WELL (FT) Temporary-Removed		BORE HOLE DEPTH (FT) ±52	DEPTH WATER FIRST ENCOUNTERED (FT) ±44	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 44.0		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		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)
	FROM	TO						
	0	32	±6.5	Temporary well materials	Flush Thread 2 TPI	2.067	0.154	--
	32	52	±6.5	Temporary well materials	Flush Thread 2 TPI	2.067	0.154	.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 06/30/17)			
FILE NO.	CP-1866	POD NO.	1	TRN NO.	688129		
LOCATION	233 T20S R29E Sec 20	WELL TAG ID NO.	NA	PAGE 1 OF 2			

USE DIT APR 5 2021 PM 4:27

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, medium grained, poorly-sorted, Red	Y ✓ N	
	4	19	15	Sand, medium grained, poorly-sorted, with caliche, Brown	Y ✓ N	
	19	34	15	Sand, medium grained, poorly-sorted, with caliche, Tan	Y ✓ N	
	34	39	5	Sand, medium grained, poorly-sorted, with caliche, Brown	Y ✓ N	
	40	44	4	Caliche, with sand, Brown,	Y ✓ N	
	44	52	8	Sand, Cemented, medium grained, Brown,	✓ 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	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
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:	03/17/2021 -Landed temporary well materials 03/23/2021-Removed well materials,abandoned boring using Portland Type I/II Neat Cement(5.6 gal water per 94 lb. sack cement)				
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge					
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 SIGNEE NAME			Jackie D. Atkins _____ DATE		04/06/2021

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO. CP-1866	POD NO. 1	TRN NO. 688129	
LOCATION 233 T205 R29F Sec20	WELL TAG ID NO. N/A		PAGE 2 OF 2






2021_03-31_CP-1866-POD1_OSE_Well Record and Log_stibbins-forsign

Final Audit Report

2021-04-06

Created:	2021-04-06
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA9bFwGd_n5rSgFk9c3sVHe2TugRXozYBM

"2021_03-31_CP-1866-POD1_OSE_Well Record and Log_stibbins-forsign" History

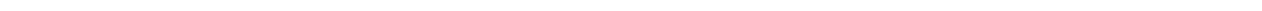
-  Document created by Lucas Middleton (lucas@atkinseng.com)
2021-04-06 - 5:01:35 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2021-04-06 - 5:01:51 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2021-04-06 - 5:04:14 PM GMT- IP address: 74.50.153.115
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-04-06 - 5:04:30 PM GMT - Time Source: server- IP address: 74.50.153.115
-  Agreement completed.
2021-04-06 - 5:04:30 PM GMT





APPENDIX B

Photographic Log





Photographic Log
 Matador Production Company
 Michael K 21 22 Fed #111H
 nAPP2406241127



Photograph 1 Date: 3/4/2024
 Description: Lease Signage
 View: North

Photograph 2 Date: 3/4/2024
 Description: Release Area
 View: West

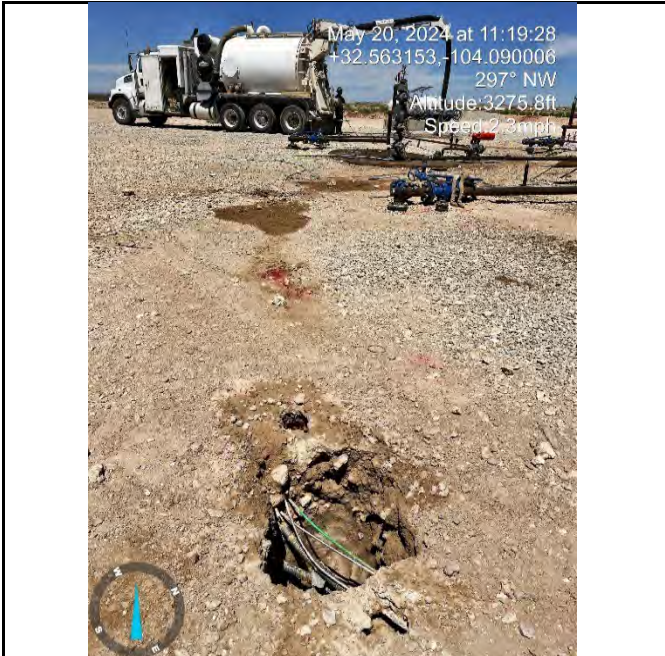


Photograph 3 Date: 3/8/2024
 Description: Vertical Delineation
 View: East

Photograph 4 Date: 4/2/2024
 Description: Vertical Delineation
 View: Northwest



Photographic Log
 Matador Production Company
 Michael K 21 22 Fed #111H
 nAPP2406241127



Photograph 5 Date: 5/20/2024
 Description: Hydrovac
 View: West



Photograph 6 Date: 5/20/2024
 Description: Hydrovac
 View: North



Photograph 7 Date: 5/21/2024
 Description: Excavation
 View: Northwest



Photograph 8 Date: 5/21/2024
 Description: Excavation
 View: North



Photographic Log
 Matador Production Company
 Michael K 21 22 Fed #111H
 nAPP2406241127



Photograph 9 Date: 5/22/2024
 Description: Hydrovac
 View: South



Photograph 10 Date: 5/22/2024
 Description: Hydrovac
 View: Southeast



Photograph 11 Date: 5/23/2024
 Description: Excavation Area
 View: Northeast



Photograph 12 Date: 5/24/2024
 Description: Excavation Area
 View: Southeast



Photographic Log
 Matador Production Company
 Michael K 21 22 Fed #111H
 nAPP2406241127



Photograph 13
 Description: Excavation
 View: Southwest

Date: 5/28/2024

Photograph 14
 Description: Excavation
 View: East

Date: 5/28/2024



Photograph 15
 Description: Excavation
 View: Southeast

Date: 5/29/2024

Photograph 16
 Description: Excavation
 View: East

Date: 5/29/2024



Photographic Log
 Matador Production Company
 Michael K 21 22 Fed #111H
 nAPP2406241127



Photograph 17 Date: 5/29/2024
 Description: Excavation
 View: North

Photograph 18 Date: 5/31/2024
 Description: Excavation
 View: North



Photograph 19 Date: 5/31/2024
 Description: Excavation
 View: South

Photograph 20 Date: 6/3/2024
 Description: Excavation
 View: South



Photographic Log
 Matador Production Company
 Michael K 21 22 Fed #111H
 nAPP2406241127



Photograph 21 Date: 6/4/2024
 Description: Excavation
 View: Northwest

Photograph 22 Date: 6/5/2024
 Description: Excavation
 View: North



Photograph 23 Date: 6/6/2024
 Description: Excavation
 View: Southeast

Photograph 24 Date: 6/6/2024
 Description: Excavation
 View: Northeast



Photographic Log
Matador Production Company
Michael K 21 22 Fed #111H
nAPP2406241127



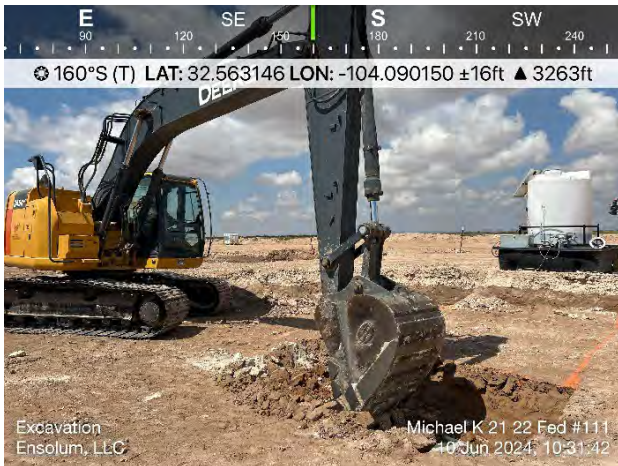
Jun 7, 2024 at 09:49:05
+32.561982,-104.089847
295° NW
Altitude: 3280.0ft
Speed: 0.0mph



Jun 7, 2024 at 12:59:17
+32.562401,-104.090116
351° N
Altitude: 3271.5ft
Speed: 0.0mph

Photograph 25 Date: 6/7/2024
Description: Vertical Delineation
View: Northwest

Photograph 26 Date: 6/7/2024
Description: Excavation
View: North



160°S (T) LAT: 32.563146 LON: -104.090150 ±16ft ▲ 3263ft

Excavation
Ensolum, LLC
Michael K 21 22 Fed #111
10 Jun 2024, 10:31:42



191°S (T) LAT: 32.562638 LON: -104.089731 ±13ft ▲ 3283ft

Excavation
Ensolum, LLC
Michael K 21 22 Fed #111
10 Jun 2024, 15:00:15

Photograph 27 Date: 6/10/2024
Description: Excavation
View: South

Photograph 28 Date: 6/10/2024
Description: Excavation
View: South



Photographic Log

Matador Production Company
Michael K 21 22 Fed #111H
nAPP2406241127



Excavation
Ensolum, LLC

Michael K 21 22 Fed #111
11 Jun 2024, 10:50:22

Photograph 29
Description: Excavation
View: Southwest

Date: 6/11/2024



Excavation
Ensolum, LLC

Michael K 21 22 Fed #111
12 Jun 2024, 09:59:51

Photograph 30
Description: Excavation
View: Southeast

Date: 6/12/2024



Excavation
Ensolum, LLC

Michael K 21 22 Fed #111
13 Jun 2024, 10:40:51

Photograph 31
Description: Excavation
View: East

Date: 6/13/2024



Excavation
Ensolum, LLC

Michael K 21 22 Fed #111
14 Jun 2024, 11:54:27

Photograph 32
Description: Excavation
View: East

Date: 6/14/2024

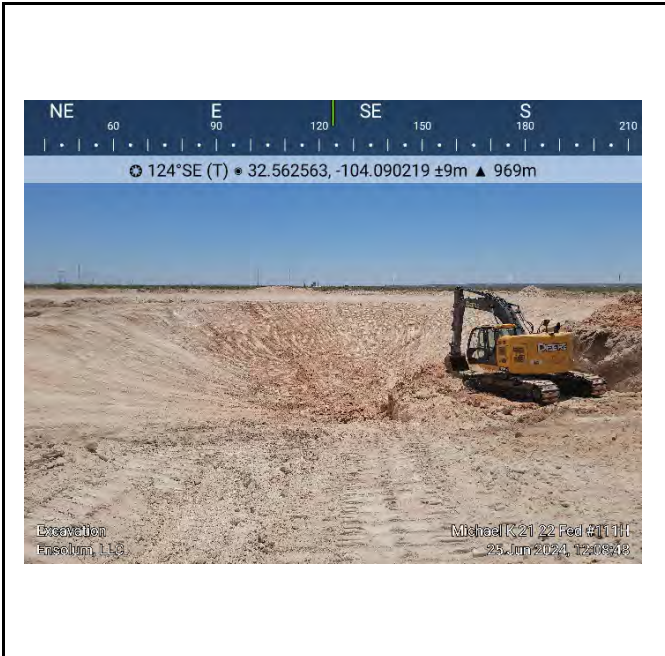


Photographic Log
 Matador Production Company
 Michael K 21 22 Fed #111H
 nAPP2406241127



Photograph 33 Date: 6/17/2024
 Description: Excavation
 View: East

Photograph 34 Date: 6/17/2024
 Description: Excavation
 View: South




Photograph 35 Date: 6/25/2024
 Description: Excavation
 View: Southeast


Photograph 36 Date: 7/15/2024
 Description: Resample
 View: Southwest





APPENDIX C


Lithologic Soil Sampling Logs


					Sample Name: BH01		Date: 3/8/2024	
					Site Name: Michael K 21 22 Federal #111			
					Incident Number: nAPP2406241127			
					Job Number: 03A2270034			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.562962, -104.090266					Hole Diameter: 3"		Total Depth: 5'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	4,048		N	BH01	0	0	CCHE	Caliche, No stain, Dry
D	3,612		N	BH01	1	1	SP-SM	Red dirt, No stain, Dry
D	2,055		N	BH01	2	2		
D	235	40	N	BH01	3	3		
D	ND		N	BH01	4	4	CCHE	Caliche, No stain, Dry
D	ND		N	BH01	5	5		
Total Depth @ 5 ft bgs.								

					Sample Name: BH02		Date: 3/8/2024					
					Site Name: Michael K 21 22 Federal #111				Incident Number: nAPP2406241127			
					Job Number: 03A2270034				Logged By: Israel Estrella		Method: Hand Auger	
					Coordinates: 32.562906, -104.090138				Hole Diameter: 3"		Total Depth: 2'	
LITHOLOGIC / SOIL SAMPLING LOG												
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.												
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions				
D	1,719		N	BH02	0	0	CCHE	Caliche, No stain, Dry				
D	162	37	N	BH02	1	1	SP-SM	Red dirt, No stain, Dry				
D	196		N	BH02	2	2						
Total Depth @ 2 ft bgs.												

					Sample Name: BH03		Date: 4/2/24							
					Site Name: Michael K 21 22 Federal #111				Incident Number: nAPP2406241127					
					Job Number: 03A2270034				Logged By: Israel Estrella				Method: Hand Auger	
					Coordinates: 32.562760, -104.089796				Hole Diameter: 3"		Total Depth: 4'			
LITHOLOGIC / SOIL SAMPLING LOG														
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.														
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions						
D			N	BH03	0	0	CCHE	Caliche, No stain, Dry						
D	3337		N	BH03	1	1		SP-SM	Red dirt, No stain, Dry					
D	912		N	BH03	2	2								
D	767		N	BH03	3	3								
D	ND	19	N	BH03	4	4	CCHE	Caliche, No stain, Dry						
Total Depth @ 4 ft bgs.														

					Sample Name: BH04		Date: 4/2/24	
					Site Name: Michael K 21 22 Federal #111			
					Incident Number: nAPP2406241127			
					Job Number: 03A2270034			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.563148, -104.089780					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH04	0	0	CCHE	Caliche, No stain, Dry
D	ND	18	N	BH04	1	1	SP-SM	Red dirt, No stain, Dry
Total Depth A 1 foot bgs.								

		Sample Name: BH05		Date: 4/2/24				
		Site Name: Michael K 21 22 Federal #111						
		Incident Number: nAPP2406241127						
		Job Number: 03A2270034						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.563045, -104.090074			Logged By: Israel Estrella		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 1'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH05	0	0	CCHE	Caliche, No stain, Dry
D	459	26	N	BH05	1	1	SP-SM	Red dirt, No stain, Dry
Total Depth @ 1 ft bgs.								

					Sample Name: BH06		Date: 4/2/24	
					Site Name: Michael K 21 22 Federal #111			
					Incident Number: nAPP2406241127			
					Job Number: 03A2270034			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.562642, -104.090027					Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH06	0	0		Red dirt, No Stain, DRY
D	632		N	BH06	1	1	SP-SM	
D	408	16	N	BH06	2	2		
Total Depth @ 2 ft bgs.								



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: Michael k 21 22 Fed #111

Work Order: E403046

Job Number: 23003-C-0001

Received: 3/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/12/24

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: 3/12/24

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

Project Name: Michael k 21 22 Fed #111
Workorder: E403046
Date Received: 3/6/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/6/2024 7:00:00AM, under the Project Name: Michael k 21 22 Fed #111.

The analytical test results summarized in this report with the Project Name: Michael k 21 22 Fed #111 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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01 -0'	5
SS02 -0'	6
SS03 -0'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/12/24 11:36
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 -0'	E403046-01A	Soil	03/04/24	03/06/24	Glass Jar, 2 oz.
SS02 -0'	E403046-02A	Soil	03/04/24	03/06/24	Glass Jar, 2 oz.
SS03 -0'	E403046-03A	Soil	03/04/24	03/06/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/12/2024 11:36:46AM
---	--	--

SS01 -0'

E403046-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: EG		Batch: 2410064
Benzene	ND	0.0250	1	03/06/24	03/08/24	
Ethylbenzene	ND	0.0250	1	03/06/24	03/08/24	
Toluene	ND	0.0250	1	03/06/24	03/08/24	
o-Xylene	ND	0.0250	1	03/06/24	03/08/24	
p,m-Xylene	ND	0.0500	1	03/06/24	03/08/24	
Total Xylenes	ND	0.0250	1	03/06/24	03/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.6 %	70-130	03/06/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: EG		Batch: 2410064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/24	03/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	03/06/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2410074
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/24	03/07/24	
<i>Surrogate: n-Nonane</i>						
		94.8 %	50-200	03/07/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2410069
Chloride	ND	100	5	03/06/24	03/07/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/12/2024 11:36:46AM
---	--	--

SS02 -0'

E403046-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: EG		Batch: 2410064
Benzene	ND	0.0250	1	03/06/24	03/08/24	
Ethylbenzene	ND	0.0250	1	03/06/24	03/08/24	
Toluene	ND	0.0250	1	03/06/24	03/08/24	
o-Xylene	ND	0.0250	1	03/06/24	03/08/24	
p,m-Xylene	ND	0.0500	1	03/06/24	03/08/24	
Total Xylenes	ND	0.0250	1	03/06/24	03/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	03/06/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: EG		Batch: 2410064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/24	03/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	03/06/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2410074
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/24	03/07/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	03/07/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2410069
Chloride	ND	200	10	03/06/24	03/07/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/12/2024 11:36:46AM
---	--	--

SS03 -0'

E403046-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: EG		Batch: 2410064
Benzene	ND	0.0250	1	03/06/24	03/08/24	
Ethylbenzene	ND	0.0250	1	03/06/24	03/08/24	
Toluene	ND	0.0250	1	03/06/24	03/08/24	
o-Xylene	ND	0.0250	1	03/06/24	03/08/24	
p,m-Xylene	ND	0.0500	1	03/06/24	03/08/24	
Total Xylenes	ND	0.0250	1	03/06/24	03/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.8 %	70-130	03/06/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: EG		Batch: 2410064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/24	03/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	03/06/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2410074
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/24	03/07/24	
<i>Surrogate: n-Nonane</i>		96.9 %	50-200	03/07/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2410069
Chloride	ND	200	10	03/06/24	03/07/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/12/2024 11:36:46AM
---	--	--

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2410064-BLK1)

Prepared: 03/06/24 Analyzed: 03/08/24

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	7.30		8.00		91.2	70-130			

LCS (2410064-BS1)

Prepared: 03/06/24 Analyzed: 03/08/24

Benzene	4.94	0.0250	5.00		98.7	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.1	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	4.89	0.0250	5.00		97.7	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			

Matrix Spike (2410064-MS1)

Source: E403042-02

Prepared: 03/06/24 Analyzed: 03/08/24

Benzene	4.78	0.0250	5.00	ND	95.6	54-133			
Ethylbenzene	4.81	0.0250	5.00	ND	96.1	61-133			
Toluene	4.79	0.0250	5.00	ND	95.8	61-130			
o-Xylene	4.75	0.0250	5.00	ND	95.0	63-131			
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130			

Matrix Spike Dup (2410064-MSD1)

Source: E403042-02

Prepared: 03/06/24 Analyzed: 03/08/24

Benzene	5.12	0.0250	5.00	ND	102	54-133	6.79	20	
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133	7.03	20	
Toluene	5.13	0.0250	5.00	ND	103	61-130	6.76	20	
o-Xylene	5.10	0.0250	5.00	ND	102	63-131	7.02	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	6.89	20	
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131	6.94	20	
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.8	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/12/2024 11:36:46AM
---	--	--

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2410064-BLK1)

Prepared: 03/06/24 Analyzed: 03/08/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

LCS (2410064-BS2)

Prepared: 03/06/24 Analyzed: 03/08/24

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			

Matrix Spike (2410064-MS2)

Source: E403042-02

Prepared: 03/06/24 Analyzed: 03/08/24

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

Matrix Spike Dup (2410064-MSD2)

Source: E403042-02

Prepared: 03/06/24 Analyzed: 03/08/24

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130	3.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/12/2024 11:36:46AM
---	--	--

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 (2410074-BLK1)

Prepared: 03/07/24 Analyzed: 03/07/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	50.8		50.0		102	50-200			

LCS (2410074-BS1)

Prepared: 03/07/24 Analyzed: 03/07/24

Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: <i>n-Nonane</i>	50.5		50.0		101	50-200			

Matrix Spike (2410074-MS1)

Source: E403035-05

Prepared: 03/07/24 Analyzed: 03/07/24

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: <i>n-Nonane</i>	47.7		50.0		95.3	50-200			

Matrix Spike Dup (2410074-MSD1)

Source: E403035-05

Prepared: 03/07/24 Analyzed: 03/07/24

Diesel Range Organics (C10-C28)	279	25.0	250	ND	111	38-132	0.439	20	
Surrogate: <i>n-Nonane</i>	51.2		50.0		102	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/12/2024 11:36:46AM
---	--	--

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2410069-BLK1)

Prepared: 03/06/24 Analyzed: 03/06/24

Chloride ND 20.0

LCS (2410069-BS1)

Prepared: 03/06/24 Analyzed: 03/06/24

Chloride 252 20.0 250 101 90-110

Matrix Spike (2410069-MS1)

Source: E403040-04

Prepared: 03/06/24 Analyzed: 03/06/24

Chloride 519 20.0 250 230 116 80-120

Matrix Spike Dup (2410069-MSD1)

Source: E403040-04

Prepared: 03/06/24 Analyzed: 03/07/24

Chloride 551 20.0 250 230 128 80-120 6.00 20 M1

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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/12/24 11:36
---	--	------------------------------------

M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

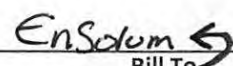
DNI Did Not Ignite

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.



EnSolum 

Client: Matador Production Company.
 Project: Michael K 21 22 Fed #111
 Project Manager: Ashley Giovengo
 Address: 3122 National Parks Hwy
 City, State, Zip: Carlsbad NM, 88220
 Phone: 575-988-0055
 Email: agiovengo@ensolum.com

Report due by:

Attention: Matador Production Company
 Address: on file
 City, State, Zip:
 Phone: (337)319-8398
 Email: clinton.talley@matadorresources.com

Lab Use Only
 Lab WO# **E403046** Job Number **23083-C-0001**

TAT
 1D 2D 3D Standard x

EPA Program
 CWA SDWA RCRA

Analysis and Method
 State
 NM CO UT AZ TX
 X

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
12:36	3/4/2024	Soil	1	FS01 - 0'	1							X		
12:38	3/4/2024	Soil	1	FS02 - 0'	2							X		
14:20	3/4/2024	Soil	1	FS03 - 0'	3							X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
 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.

Relinquished by: (Signature) <i>Israel Estrella</i>	Date 3/5/24	Time 8:15 am	Received by: (Signature) <i>Michelle Kemp</i>	Date 3-5-24	Time 0815	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Kemp</i>	Date 3-5-24	Time 1610	Received by: (Signature) <i>Andrew Hesso</i>	Date 3-5-24	Time 1700	
Relinquished by: (Signature) <i>Andrew Hesso</i>	Date 3-5-24	Time 2330	Received by: (Signature) <i>Kayla & Hall</i>	Date 3-6-24	Time 0700	

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 30 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.



EnSolum
Bill To

Client: Matador Production Company		Attention: Matador Production Company		Lab Use Only		TAT			EPA Program			
Project: Michael K 21 22 Fed #111		Address: on file		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Ashley Giovengo		City, State, Zip:		E403046	23003-C-0001				x			
Address: 3122 National Parks Hwy		Phone: (337)319-8398		Analysis and Method								
City, State, Zip: Carlsbad NM, 88220		Email: clinton.talley@matadorresources.com		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	RCRA
Phone: 575-988-0055				State								
Email: agiovengo@ensolum.com				NM CO UT AZ TX								
Report due by:				X								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
12:36	3/4/2024	Soil	1	FS01-O' SS01-O'	1							X		
12:38	3/4/2024	Soil	1	FS02-O' SS02-O'	2							X		
14:20	3/4/2024	Soil	1	FS03-O' SS03-O'	3							X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. 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.

Relinquished by: (Signature) <i>[Signature]</i>				Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>				3/5/24	8:15 am	Received by: (Signature) <i>[Signature]</i>		3-5-24	0815	
Relinquished by: (Signature) <i>[Signature]</i>				3-5-24	1610	Received by: (Signature) <i>[Signature]</i>		3-5-24	1700	
Relinquished by: (Signature) <i>[Signature]</i>				3-5-24	2330	Received by: (Signature) <i>[Signature]</i>		3-6-24	0700	

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 30 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: 3/7/2024 10:02:44AM

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: 03/06/24 07:00 Work Order ID: E403046
Phone: (972) 371-5200 Date Logged In: 03/05/24 16:40 Logged In By: Angelina Pineda
Email: agiovnago@ensolum.com Due Date: 03/12/24 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? No
5. Were all samples received within holding time? Yes

Carrier: Courier

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

Comments/Resolution

Correction on COC Sample ID per client listed on Green COC .

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

Empty box for client instruction.

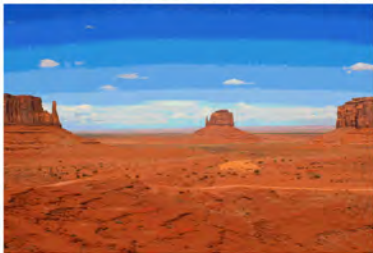
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Michael k 21 22 Fed #111

Work Order: E403104

Job Number: 23003-C-0001

Received: 3/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/19/24

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: 3/19/24

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

Project Name: Michael k 21 22 Fed #111
Workorder: E403104
Date Received: 3/12/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/12/2024 7:30:00AM, under the Project Name: Michael k 21 22 Fed #111.

The analytical test results summarized in this report with the Project Name: Michael k 21 22 Fed #111 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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH01 -0'	5
BH01 -1'	6
BH01 -2'	7
BH01 -3'	8
BH02 -0'	9
BH02 -1'	10
QC Summary Data	11
QC - Volatile Organic Compounds by EPA 8260B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/19/24 13:21
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 -0'	E403104-01A	Soil	03/08/24	03/12/24	Glass Jar, 2 oz.
BH01 -1'	E403104-02A	Soil	03/08/24	03/12/24	Glass Jar, 2 oz.
BH01 -2'	E403104-03A	Soil	03/08/24	03/12/24	Glass Jar, 2 oz.
BH01 -3'	E403104-04A	Soil	03/08/24	03/12/24	Glass Jar, 2 oz.
BH02 -0'	E403104-05A	Soil	03/08/24	03/12/24	Glass Jar, 2 oz.
BH02 -1'	E403104-06A	Soil	03/08/24	03/12/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	---

BH01 -0'
E403104-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2411053
Benzene	ND	0.0250	1	03/12/24	03/17/24	
Ethylbenzene	ND	0.0250	1	03/12/24	03/17/24	
Toluene	ND	0.0250	1	03/12/24	03/17/24	
o-Xylene	ND	0.0250	1	03/12/24	03/17/24	
p,m-Xylene	ND	0.0500	1	03/12/24	03/17/24	
Total Xylenes	ND	0.0250	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2411053
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2411093
Diesel Range Organics (C10-C28)	90.8	25.0	1	03/13/24	03/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/15/24	
<i>Surrogate: n-Nonane</i>		77.3 %	50-200	03/13/24	03/15/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2411150
Chloride	5800	200	10	03/16/24	03/17/24	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	---

BH01 -1'
E403104-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411053
Benzene	ND	0.0250	1	03/12/24	03/17/24	
Ethylbenzene	ND	0.0250	1	03/12/24	03/17/24	
Toluene	ND	0.0250	1	03/12/24	03/17/24	
o-Xylene	ND	0.0250	1	03/12/24	03/17/24	
p,m-Xylene	ND	0.0500	1	03/12/24	03/17/24	
Total Xylenes	ND	0.0250	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411053
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2411093
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/16/24	
<i>Surrogate: n-Nonane</i>		80.0 %	50-200	03/13/24	03/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2411150
Chloride	3260	200	10	03/16/24	03/17/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	---

BH01 -2'
E403104-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411053
Benzene	ND	0.0250	1	03/12/24	03/17/24	
Ethylbenzene	ND	0.0250	1	03/12/24	03/17/24	
Toluene	ND	0.0250	1	03/12/24	03/17/24	
o-Xylene	ND	0.0250	1	03/12/24	03/17/24	
p,m-Xylene	ND	0.0500	1	03/12/24	03/17/24	
Total Xylenes	ND	0.0250	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2411053
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2411093
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/18/24	
<i>Surrogate: n-Nonane</i>		88.1 %	50-200	03/13/24	03/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2411150
Chloride	1400	20.0	1	03/16/24	03/17/24	

Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	---

BH01 -3'
E403104-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2411053
Benzene	ND	0.0250	1	03/12/24	03/17/24	
Ethylbenzene	ND	0.0250	1	03/12/24	03/17/24	
Toluene	ND	0.0250	1	03/12/24	03/17/24	
o-Xylene	ND	0.0250	1	03/12/24	03/17/24	
p,m-Xylene	ND	0.0500	1	03/12/24	03/17/24	
Total Xylenes	ND	0.0250	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2411053
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2411093
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/18/24	
<i>Surrogate: n-Nonane</i>		86.6 %	50-200	03/13/24	03/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2411150
Chloride	233	20.0	1	03/16/24	03/17/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	---

BH02 -0'

E403104-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2411053
Benzene	ND	0.0250	1	03/12/24	03/17/24	
Ethylbenzene	ND	0.0250	1	03/12/24	03/17/24	
Toluene	ND	0.0250	1	03/12/24	03/17/24	
o-Xylene	ND	0.0250	1	03/12/24	03/17/24	
p,m-Xylene	ND	0.0500	1	03/12/24	03/17/24	
Total Xylenes	ND	0.0250	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2411053
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2411093
Diesel Range Organics (C10-C28)	152	25.0	1	03/13/24	03/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/16/24	
<i>Surrogate: n-Nonane</i>		79.7 %	50-200	03/13/24	03/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2411150
Chloride	1220	40.0	2	03/16/24	03/18/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	---

BH02 -1'

E403104-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2411053
Benzene	ND	0.0250	1	03/12/24	03/17/24	
Ethylbenzene	ND	0.0250	1	03/12/24	03/17/24	
Toluene	ND	0.0250	1	03/12/24	03/17/24	
o-Xylene	ND	0.0250	1	03/12/24	03/17/24	
p,m-Xylene	ND	0.0500	1	03/12/24	03/17/24	
Total Xylenes	ND	0.0250	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2411053
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/24	03/17/24	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/12/24	03/17/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	03/12/24	03/17/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/12/24	03/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2411093
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/24	03/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/24	03/16/24	
<i>Surrogate: n-Nonane</i>		81.0 %	50-200	03/13/24	03/16/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2411150
Chloride	171	100	5	03/16/24	03/18/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	----------------------------------

Volatile Organic Compounds by EPA 8260B

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	---------------	--------------------	----------	-------------------	-------

Blank (2411053-BLK1)

Prepared: 03/12/24 Analyzed: 03/16/24

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	0.535		0.500		107		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0		70-130		
Surrogate: Toluene-d8	0.530		0.500		106		70-130		

LCS (2411053-BS1)

Prepared: 03/12/24 Analyzed: 03/16/24

Benzene	2.62	0.0250	2.50		105		70-130		
Ethylbenzene	2.58	0.0250	2.50		103		70-130		
Toluene	2.79	0.0250	2.50		112		70-130		
o-Xylene	2.60	0.0250	2.50		104		70-130		
p,m-Xylene	5.17	0.0500	5.00		103		70-130		
Total Xylenes	7.78	0.0250	7.50		104		70-130		
Surrogate: Bromofluorobenzene	0.522		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9		70-130		
Surrogate: Toluene-d8	0.539		0.500		108		70-130		

Matrix Spike (2411053-MS1)

Source: E403105-02

Prepared: 03/12/24 Analyzed: 03/17/24

Benzene	2.58	0.0250	2.50	ND	103		48-131		
Ethylbenzene	2.48	0.0250	2.50	ND	99.3		45-135		
Toluene	2.71	0.0250	2.50	ND	108		48-130		
o-Xylene	2.50	0.0250	2.50	ND	99.8		43-135		
p,m-Xylene	4.93	0.0500	5.00	ND	98.7		43-135		
Total Xylenes	7.43	0.0250	7.50	ND	99.1		43-135		
Surrogate: Bromofluorobenzene	0.516		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6		70-130		
Surrogate: Toluene-d8	0.537		0.500		107		70-130		

Matrix Spike Dup (2411053-MSD1)

Source: E403105-02

Prepared: 03/12/24 Analyzed: 03/17/24

Benzene	2.68	0.0250	2.50	ND	107		48-131	3.97	23
Ethylbenzene	2.69	0.0250	2.50	ND	108		45-135	8.23	27
Toluene	2.96	0.0250	2.50	ND	118		48-130	8.78	24
o-Xylene	2.66	0.0250	2.50	ND	106		43-135	6.17	27
p,m-Xylene	5.27	0.0500	5.00	ND	105		43-135	6.55	27
Total Xylenes	7.92	0.0250	7.50	ND	106		43-135	6.42	27
Surrogate: Bromofluorobenzene	0.521		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2		70-130		
Surrogate: Toluene-d8	0.552		0.500		110		70-130		



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	---

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	---------------	--------------------	----------	-------------------	-------

Blank (2411053-BLK1)

Prepared: 03/12/24 Analyzed: 03/16/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

LCS (2411053-BS2)

Prepared: 03/12/24 Analyzed: 03/17/24

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.550		0.500		110	70-130			

Matrix Spike (2411053-MS2)

Source: E403105-02

Prepared: 03/12/24 Analyzed: 03/17/24

Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	ND	114	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			

Matrix Spike Dup (2411053-MSD2)

Source: E403105-02

Prepared: 03/12/24 Analyzed: 03/17/24

Gasoline Range Organics (C6-C10)	57.8	20.0	50.0	ND	116	70-130	0.960	20	
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	---

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2411093-BLK1)

Prepared: 03/13/24 Analyzed: 03/15/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.2		50.0		86.5	50-200			

LCS (2411093-BS1)

Prepared: 03/13/24 Analyzed: 03/15/24

Diesel Range Organics (C10-C28)	218	25.0	250		87.3	38-132			
Surrogate: n-Nonane	40.9		50.0		81.8	50-200			

LCS Dup (2411093-BSD1)

Prepared: 03/13/24 Analyzed: 03/15/24

Diesel Range Organics (C10-C28)	216	25.0	250		86.6	38-132	0.773	20	
Surrogate: n-Nonane	41.8		50.0		83.6	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/19/2024 1:21:53PM
---	--	---

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2411150-BLK1)

Prepared: 03/16/24 Analyzed: 03/17/24

Chloride	ND	20.0							
----------	----	------	--	--	--	--	--	--	--

LCS (2411150-BS1)

Prepared: 03/16/24 Analyzed: 03/17/24

Chloride	252	20.0	250		101	90-110			
----------	-----	------	-----	--	-----	--------	--	--	--

Matrix Spike (2411150-MS1)

Source: E403104-02

Prepared: 03/16/24 Analyzed: 03/17/24

Chloride	3580	200	250	3260	128	80-120			M4
----------	------	-----	-----	------	-----	--------	--	--	----

Matrix Spike Dup (2411150-MSD1)

Source: E403104-02

Prepared: 03/16/24 Analyzed: 03/17/24

Chloride	3570	200	250	3260	122	80-120	0.384	20	M4
----------	------	-----	-----	------	-----	--------	-------	----	----

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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/19/24 13:21
---	--	------------------------------------

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

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.



23003-C-0001

Client: Matador Production Company.
 Project: Michael K 21 22 Fed #111
 Project Manager: Ashley Giovengo
 Address: 3122 National Parks Hwy
 City, State, Zip: Carlsbad NM, 88220
 Phone: 575-988-0055
 Email: agiovengo@ensolum.com
 Report due by:

Bill To
 Attention: Matador Production Company
 Address: on file
 City, State, Zip:
 Phone: (337)319-8398
 Email: clinton.talley@matadorresources.com

Lab Use Only		TAT			EPA Program	
Lab WO# E 403 04	Job Number 23052-1001	1D	2D	3D	Standard	CWA SDWA
					x	

Analysis and Method										RCRA		
TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State				
								NM	CO	UT	AZ	TX
								x				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
10:00	3/8/2024	Soil	1	BH01 - 0'	1							X		
10:05	3/8/2024	Soil	1	BH01 - 1'	2							X		
10:07	3/8/2024	Soil	1	BH01 - 2'	3							X		
10:52	3/8/2024	Soil	1	BH01 - 3'	4							X		
10:13	3/8/2024	Soil	1	BH02 - 0'	5							X		
10:15	3/8/2024	Soil	1	BH02 - 1'	6							X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

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.

Relinquished by: (Signature) <i>[Signature]</i>	Date 3/11/24	Time 8:15 A	Received by: (Signature) <i>[Signature]</i>	Date 3/11/24	Time 10:50	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>	Date 3/11/24	Time 1:15 P	Received by: (Signature) <i>[Signature]</i>	Date 3/11/24	Time 1:54 P	
Relinquished by: (Signature) <i>[Signature]</i>	Date 3/11/24	Time 2:30 P	Received by: (Signature) <i>[Signature]</i>	Date 3/12/24	Time 07:30	

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 30 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.

Released to: Imaging - 07/07/2024 10:36:54 AM

Received by: OCD: 7/31/2024 1:06:53 PM

Page 78 of 197



Envirotech Analytical Laboratory

Printed: 3/12/2024 10:02:06AM

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: 03/12/24 07:30 Work Order ID: E403104
Phone: (972) 371-5200 Date Logged In: 03/12/24 07:49 Logged In By: Angelina Pineda
Email: agiovnngo@ensolum.com Due Date: 03/18/24 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

Carrier: Courier

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

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

Empty box for client instructions.

Comments/Resolution

Large empty box for comments/resolution.

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: Michael k 21 22 Fed #111

Work Order: E403141

Job Number: 23003-C-0001

Received: 3/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/20/24

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: 3/20/24



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

Project Name: Michael k 21 22 Fed #111
Workorder: E403141
Date Received: 3/15/2024 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2024 6:45:00AM, under the Project Name: Michael k 21 22 Fed #111.

The analytical test results summarized in this report with the Project Name: Michael k 21 22 Fed #111 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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS06-0'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/20/24 16:09
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06-0'	E403141-01A	Soil	03/13/24	03/15/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:09:26PM
---	--	---

SS06-0'

E403141-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: EG		Batch: 2411142
Benzene	ND	0.0250	1	03/15/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/18/24	
Toluene	ND	0.0250	1	03/15/24	03/18/24	
o-Xylene	ND	0.0250	1	03/15/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	03/15/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: EG		Batch: 2411142
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	03/15/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2412003
Diesel Range Organics (C10-C28)	57.8	25.0	1	03/18/24	03/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/24	03/19/24	
<i>Surrogate: n-Nonane</i>		100 %	50-200	03/18/24	03/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2412021
Chloride	638	40.0	2	03/18/24	03/20/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:09:26PM
---	--	---

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2411142-BLK1)

Prepared: 03/15/24 Analyzed: 03/15/24

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	7.60		8.00		95.0	70-130			

LCS (2411142-BS1)

Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.1	70-130			

Matrix Spike (2411142-MS1)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	5.02	0.0250	5.00	ND	100	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2411142-MSD1)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	4.93	0.0250	5.00	ND	98.6	54-133	1.73	20	
Ethylbenzene	4.94	0.0250	5.00	ND	98.8	61-133	1.69	20	
Toluene	4.93	0.0250	5.00	ND	98.5	61-130	1.61	20	
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131	1.80	20	
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131	1.55	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.63	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:09:26PM
---	--	---

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2411142-BLK1)

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

LCS (2411142-BS2)

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

Matrix Spike (2411142-MS2)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

Matrix Spike Dup (2411142-MSD2)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	1.91	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:09:26PM
---	--	---

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 (2412003-BLK1)

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.4		50.0		101	50-200			

LCS (2412003-BS1)

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	302	25.0	250		121	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike (2412003-MS1)

Source: E403138-25

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

Matrix Spike Dup (2412003-MSD1)

Source: E403138-25

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.13	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:09:26PM
---	--	---

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2412021-BLK1)

Prepared: 03/18/24 Analyzed: 03/19/24

Chloride	ND	20.0							
----------	----	------	--	--	--	--	--	--	--

LCS (2412021-BS1)

Prepared: 03/18/24 Analyzed: 03/19/24

Chloride	252	20.0	250		101	90-110			
----------	-----	------	-----	--	-----	--------	--	--	--

LCS Dup (2412021-BSD1)

Prepared: 03/18/24 Analyzed: 03/19/24

Chloride	251	20.0	250		100	90-110	0.512	20	
----------	-----	------	-----	--	-----	--------	-------	----	--

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/20/24 16:09
---	--	------------------------------------

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.



Released to Imaging: 8/26/2024 10:36:54 AM

Received by OCD: 7/31/2024 1:06:53 PM

Client: Matador Production Company				Bill To				Lab Use Only				TAT				EPA Program											
Project: Michael K 21 22 Fed #111				Attention: Ensolum LLC				Lab WO# E403141				Job Number 23003-G-001				1D		2D		3D		Standard		CWA		SDWA	
Project Manager: Ashley Giovengo				Address: on file				Analysis and Method				RCRA															
Address: 3122 National Parks Hwy				City, State, Zip:																							
City, State, Zip: Carlsbad NM, 88220				Phone: 575-988-0055																							
Phone: 575-988-0055				Email: agiovengo@ensolum.com																							
Email: agiovengo@ensolum.com																											
Report due by:																											

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State	Remarks				
															NM	CO	UT	AZ	TX
12:18	3/13/2024	Soil	1	SS06 - 0'	1							X							

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						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.							
Relinquished by: (Signature) <i>[Signature]</i>						Received by: (Signature) <i>[Signature]</i>							
Date 3-14-24		Time 7:30		Date 3-14-24		Time 0730		Lab Use Only					
Date 3-14-24		Time 1530		Date 3/15/24		Time 0645		Received on ice: <input checked="" type="checkbox"/> N					
Date		Time		Date		Time		T1 _____ T2 _____ T3 _____					
Date		Time		Date		Time		AVG Temp °C <u>4</u>					

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 30 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.



Page 99 of 197

Envirotech Analytical Laboratory

Printed: 3/15/2024 12:22:35PM

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: 03/15/24 06:45 Work Order ID: E403141
Phone: (972) 371-5200 Date Logged In: 03/14/24 17:10 Logged In By: Alexa Michaels
Email: agiovnngo@ensolum.com Due Date: 03/21/24 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 Carrier: Courier
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.

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

Empty rectangular box for client instruction.

Comments/Resolution

Large empty rectangular box for comments/resolution.

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: Michael k 21 22 Fed #111

Work Order: E403143

Job Number: 23003-C-0001

Received: 3/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/20/24

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: 3/20/24

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

Project Name: Michael k 21 22 Fed #111
Workorder: E403143
Date Received: 3/15/2024 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2024 6:45:00AM, under the Project Name: Michael k 21 22 Fed #111.

The analytical test results summarized in this report with the Project Name: Michael k 21 22 Fed #111 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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS04-0'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/20/24 16:08
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04-0'	E403143-01A	Soil	03/13/24	03/15/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:08:47PM
---	--	---

SS04-0'

E403143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2411142	
Benzene	ND	0.0250	1	03/15/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/18/24	
Toluene	ND	0.0250	1	03/15/24	03/18/24	
o-Xylene	ND	0.0250	1	03/15/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.3 %	70-130	03/15/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2411142	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	03/15/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2412003	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/24	03/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/24	03/19/24	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	03/18/24	03/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2412021	
Chloride	295	100	5	03/18/24	03/20/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:08:47PM
---	--	---

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2411142-BLK1)

Prepared: 03/15/24 Analyzed: 03/15/24

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	7.60		8.00		95.0	70-130			

LCS (2411142-BS1)

Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.1	70-130			

Matrix Spike (2411142-MS1)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	5.02	0.0250	5.00	ND	100	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2411142-MSD1)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	4.93	0.0250	5.00	ND	98.6	54-133	1.73	20	
Ethylbenzene	4.94	0.0250	5.00	ND	98.8	61-133	1.69	20	
Toluene	4.93	0.0250	5.00	ND	98.5	61-130	1.61	20	
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131	1.80	20	
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131	1.55	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.63	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:08:47PM
---	--	---

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2411142-BLK1)

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

LCS (2411142-BS2)

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

Matrix Spike (2411142-MS2)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

Matrix Spike Dup (2411142-MSD2)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	1.91	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:08:47PM
---	--	---

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 (2412003-BLK1)

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.4		50.0		101	50-200			

LCS (2412003-BS1)

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	302	25.0	250		121	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike (2412003-MS1)

Source: E403138-25

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

Matrix Spike Dup (2412003-MSD1)

Source: E403138-25

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.13	20	
Surrogate: n-Nonane	51.6		50.0		103	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 4:08:47PM
---	--	---

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2412021-BLK1)

Prepared: 03/18/24 Analyzed: 03/19/24

Chloride ND 20.0

LCS (2412021-BS1)

Prepared: 03/18/24 Analyzed: 03/19/24

Chloride 252 20.0 250 101 90-110

LCS Dup (2412021-BSD1)

Prepared: 03/18/24 Analyzed: 03/19/24

Chloride 251 20.0 250 100 90-110 0.512 20

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/20/24 16:08
---	--	------------------------------------

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.



Client: Matador Production Company		Bill To		Lab Use Only			TAT			EPA Program						
Project: Michael K 21 22 Fed #111		Attention: Ensolum LLC		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Ashley Giovengo		Address: on file		E 403143	23003-C-0001					x						
Address: 3122 National Parks Hwy		City, State, Zip:		Analysis and Method												
City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State				
Email: agiovengo@ensolum.com		Email: agiovengo@ensolum.com										NM	CO	UT	AZ	TX
Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
11:56	3/13/2024	Soil	1	SS04 - 0'	1							x		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. **Sampled by:** _____

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.

Relinquished by: (Signature) <i>Michelle Gay</i>	Date 3-14-24	Time 7:30	Received by: (Signature) <i>Michelle Gay</i>	Date 3-14-24	Time 0730	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gay</i>	Date 3-14-24	Time 1530	Received by: (Signature) <i>Michelle Gay</i>	Date 3/15/24	Time 0645	
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 30 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: 3/15/2024 12:45:31PM

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.
Phone: (972) 371-5200
Email: agiovngo@ensolum.com

Date Received: 03/15/24 06:45
Date Logged In: 03/14/24 17:43
Due Date: 03/21/24 17:00 (4 day TAT)

Work Order ID: E403143
Logged In By: Alexa Michaels

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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

Empty box for 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: Michael k 21 22 Fed #111

Work Order: E403144

Job Number: 23003-C-0001

Received: 3/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/20/24

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: 3/20/24



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

Project Name: Michael k 21 22 Fed #111
Workorder: E403144
Date Received: 3/15/2024 6:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2024 6:45:00AM, under the Project Name: Michael k 21 22 Fed #111.

The analytical test results summarized in this report with the Project Name: Michael k 21 22 Fed #111 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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS05-0'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/20/24 12:16
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05-0'	E403144-01A	Soil	03/13/24	03/15/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 12:16:01PM
---	--	--

SS05-0'

E403144-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2411142
Benzene	ND	0.0250	1	03/15/24	03/18/24	
Ethylbenzene	ND	0.0250	1	03/15/24	03/18/24	
Toluene	ND	0.0250	1	03/15/24	03/18/24	
o-Xylene	ND	0.0250	1	03/15/24	03/18/24	
p,m-Xylene	ND	0.0500	1	03/15/24	03/18/24	
Total Xylenes	ND	0.0250	1	03/15/24	03/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.0 %	70-130	03/15/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2411142
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/24	03/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	03/15/24	03/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2412001
Diesel Range Organics (C10-C28)	ND	25.0	1	03/18/24	03/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/18/24	03/19/24	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	03/18/24	03/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2412021
Chloride	192	40.0	2	03/18/24	03/20/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 12:16:01PM
---	--	--

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2411142-BLK1)

Prepared: 03/15/24 Analyzed: 03/15/24

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	7.60		8.00		95.0	70-130			

LCS (2411142-BS1)

Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.1	70-130			

Matrix Spike (2411142-MS1)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	5.02	0.0250	5.00	ND	100	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.96	0.0250	5.00	ND	99.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2411142-MSD1)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Benzene	4.93	0.0250	5.00	ND	98.6	54-133	1.73	20	
Ethylbenzene	4.94	0.0250	5.00	ND	98.8	61-133	1.69	20	
Toluene	4.93	0.0250	5.00	ND	98.5	61-130	1.61	20	
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131	1.80	20	
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131	1.55	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.63	20	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 12:16:01PM
---	--	--

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2411142-BLK1)

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

LCS (2411142-BS2)

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			

Matrix Spike (2411142-MS2)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

Matrix Spike Dup (2411142-MSD2)

Source: E403143-01

Prepared: 03/15/24 Analyzed: 03/15/24

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	1.91	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 12:16:01PM
---	--	--

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 (2412001-BLK1)

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.3		50.0		107	50-200			

LCS (2412001-BS1)

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			

Matrix Spike (2412001-MS1)

Source: E403132-03

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	309	25.0	250	ND	124	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			

Matrix Spike Dup (2412001-MSD1)

Source: E403132-03

Prepared: 03/18/24 Analyzed: 03/18/24

Diesel Range Organics (C10-C28)	314	25.0	250	ND	126	38-132	1.43	20	
Surrogate: n-Nonane	55.3		50.0		111	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 3/20/2024 12:16:01PM
---	--	--

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2412021-BLK1)

Prepared: 03/18/24 Analyzed: 03/19/24

Chloride	ND	20.0							
----------	----	------	--	--	--	--	--	--	--

LCS (2412021-BS1)

Prepared: 03/18/24 Analyzed: 03/19/24

Chloride	252	20.0	250		101	90-110			
----------	-----	------	-----	--	-----	--------	--	--	--

LCS Dup (2412021-BSD1)

Prepared: 03/18/24 Analyzed: 03/19/24

Chloride	251	20.0	250		100	90-110	0.512	20	
----------	-----	------	-----	--	-----	--------	-------	----	--

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael k 21 22 Fed #111 Project Number: 23003-C-0001 Project Manager: Ashley Giovengo	Reported: 03/20/24 12:16
---	--	------------------------------------

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.



Released to Imaging: 8/26/2024 10:36:54 AM

Received by OCD: 7/31/2024 1:06:53 PM

Client: Matador Production Company		Bill To		Lab Use Only			TAT			EPA Program						
Project: Michael K 21 22 Fed #111		Attention: Ensolum LLC		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Ashley Giovengo		Address: on file		E 403144	23003-C-0001					x						
Address: 3122 National Parks Hwy		City, State, Zip:		Analysis and Method								RCRA				
City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	State				
Phone: 575-988-0055		Email: agiovengo@ensolum.com										NM	CO	UT	AZ	TX
Email: agiovengo@ensolum.com		Report due by:		x												

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TCEQ TPH	BGDOC NM	GDOC TX	Remarks
12:21	3/13/2024	Soil	1	SS05 - 0'	1							x		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. **Sampled by:** _____

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.

Relinquished by: (Signature) <i>Zed</i>	Date 3-14-24	Time 7:30	Received by: (Signature) <i>Michelle Gueff</i>	Date 3-14-24	Time 0730	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gueff</i>	Date 3-14-24	Time 1530	Received by: (Signature) <i>cd</i>	Date 3-15-24	Time 0645	
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 30 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.



Page 11 of 12

Envirotech Analytical Laboratory

Printed: 3/15/2024 12:57:36PM

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: 03/15/24 06:45 Work Order ID: E403144
Phone: (972) 371-5200 Date Logged In: 03/14/24 17:47 Logged In By: Alexa Michaels
Email: agiovngo@ensolum.com Due Date: 03/21/24 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

Large empty rectangular box for comments and resolutions.

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

Large empty rectangular box for client instructions.

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: Michael K 21 22 Fed #111H

Work Order: E407128

Job Number: 23003-0002

Received: 7/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/22/24

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: 7/22/24



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

Project Name: Michael K 21 22 Fed #111H
Workorder: E407128
Date Received: 7/17/2024 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/17/2024 6:00:00AM, under the Project Name: Michael K 21 22 Fed #111H.

The analytical test results summarized in this report with the Project Name: Michael K 21 22 Fed #111H 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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS54-2'	5
FS56-2'	6
FS176-2'	7
FS210-4'	8
QC Summary Data	9
QC - Volatile Organics by EPA 8021B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/22/24 09:18
---	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS54-2'	E407128-01A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
FS56-2'	E407128-02A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
FS176-2'	E407128-03A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.
FS210-4'	E407128-04A	Soil	07/15/24	07/17/24	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/22/2024 9:18:46AM
---	---	---

FS54-2'

E407128-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2429050
Benzene	ND	0.0250	1	07/17/24	07/18/24	
Ethylbenzene	ND	0.0250	1	07/17/24	07/18/24	
Toluene	ND	0.0250	1	07/17/24	07/18/24	
o-Xylene	ND	0.0250	1	07/17/24	07/18/24	
p,m-Xylene	ND	0.0500	1	07/17/24	07/18/24	
Total Xylenes	ND	0.0250	1	07/17/24	07/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	07/17/24	07/18/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2429050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/24	07/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.6 %	70-130	07/17/24	07/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2429049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>		94.3 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2429051
Chloride	100	20.0	1	07/17/24	07/17/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/22/2024 9:18:46AM
---	---	---

FS56-2'

E407128-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2429050
Benzene	ND	0.0250	1	07/17/24	07/18/24	
Ethylbenzene	ND	0.0250	1	07/17/24	07/18/24	
Toluene	ND	0.0250	1	07/17/24	07/18/24	
o-Xylene	ND	0.0250	1	07/17/24	07/18/24	
p,m-Xylene	ND	0.0500	1	07/17/24	07/18/24	
Total Xylenes	ND	0.0250	1	07/17/24	07/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.7 %	70-130	07/17/24	07/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2429050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/24	07/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	07/17/24	07/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2429049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>		96.2 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2429051
Chloride	21.5	20.0	1	07/17/24	07/17/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/22/2024 9:18:46AM
---	---	---

FS176-2'

E407128-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2429050
Benzene	ND	0.0250	1	07/17/24	07/18/24	
Ethylbenzene	ND	0.0250	1	07/17/24	07/18/24	
Toluene	ND	0.0250	1	07/17/24	07/18/24	
o-Xylene	ND	0.0250	1	07/17/24	07/18/24	
p,m-Xylene	ND	0.0500	1	07/17/24	07/18/24	
Total Xylenes	ND	0.0250	1	07/17/24	07/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.8 %	70-130	07/17/24	07/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2429050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/24	07/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	07/17/24	07/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2429049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>		97.2 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2429051
Chloride	ND	20.0	1	07/17/24	07/17/24	



Sample Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/22/2024 9:18:46AM
---	---	---

FS210-4'
E407128-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2429050
Benzene	ND	0.0250	1	07/17/24	07/18/24	
Ethylbenzene	ND	0.0250	1	07/17/24	07/18/24	
Toluene	ND	0.0250	1	07/17/24	07/18/24	
o-Xylene	ND	0.0250	1	07/17/24	07/18/24	
p,m-Xylene	ND	0.0500	1	07/17/24	07/18/24	
Total Xylenes	ND	0.0250	1	07/17/24	07/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.5 %	70-130	07/17/24	07/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2429050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/17/24	07/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	07/17/24	07/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2429049
Diesel Range Organics (C10-C28)	ND	25.0	1	07/17/24	07/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/17/24	07/17/24	
<i>Surrogate: n-Nonane</i>		102 %	50-200	07/17/24	07/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2429051
Chloride	ND	100	5	07/17/24	07/17/24	



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/22/2024 9:18:46AM
---	---	---

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2429050-BLK1)

Prepared: 07/17/24 Analyzed: 07/17/24

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	7.10		8.00		88.8	70-130			

LCS (2429050-BS1)

Prepared: 07/17/24 Analyzed: 07/17/24

Benzene	4.64	0.0250	5.00		92.8	70-130			
Ethylbenzene	4.57	0.0250	5.00		91.5	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.55	0.0250	5.00		90.9	70-130			
p,m-Xylene	9.30	0.0500	10.0		93.0	70-130			
Total Xylenes	13.8	0.0250	15.0		92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.2	70-130			

LCS Dup (2429050-BSD1)

Prepared: 07/17/24 Analyzed: 07/17/24

Benzene	4.70	0.0250	5.00		94.1	70-130	1.41	20	
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130	1.87	20	
Toluene	4.74	0.0250	5.00		94.8	70-130	1.67	20	
o-Xylene	4.65	0.0250	5.00		93.0	70-130	2.29	20	
p,m-Xylene	9.46	0.0500	10.0		94.6	70-130	1.73	20	
Total Xylenes	14.1	0.0250	15.0		94.1	70-130	1.92	20	
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.3	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/22/2024 9:18:46AM
---	---	---

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2429050-BLK1)

Prepared: 07/17/24 Analyzed: 07/17/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

LCS (2429050-BS2)

Prepared: 07/17/24 Analyzed: 07/17/24

Gasoline Range Organics (C6-C10)	40.3	20.0	50.0		80.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.6	70-130			

LCS Dup (2429050-BSD2)

Prepared: 07/17/24 Analyzed: 07/17/24

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130	7.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/22/2024 9:18:46AM
---	---	---

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 (2429049-BLK1)

Prepared: 07/17/24 Analyzed: 07/17/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.2		50.0		104	50-200			

LCS (2429049-BS1)

Prepared: 07/17/24 Analyzed: 07/17/24

Diesel Range Organics (C10-C28)	235	25.0	250		93.8	38-132			
Surrogate: <i>n</i> -Nonane	54.8		50.0		110	50-200			

Matrix Spike (2429049-MS1)

Source: E407129-02

Prepared: 07/17/24 Analyzed: 07/17/24

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132			
Surrogate: <i>n</i> -Nonane	59.4		50.0		119	50-200			

Matrix Spike Dup (2429049-MSD1)

Source: E407129-02

Prepared: 07/17/24 Analyzed: 07/17/24

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132	0.353	20	
Surrogate: <i>n</i> -Nonane	54.3		50.0		109	50-200			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 7/22/2024 9:18:46AM
---	---	---

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2429051-BLK1)

Prepared: 07/17/24 Analyzed: 07/17/24

Chloride	ND	20.0							
----------	----	------	--	--	--	--	--	--	--

LCS (2429051-BS1)

Prepared: 07/17/24 Analyzed: 07/17/24

Chloride	259	20.0	250		103	90-110			
----------	-----	------	-----	--	-----	--------	--	--	--

Matrix Spike (2429051-MS1)

Source: E407128-01

Prepared: 07/17/24 Analyzed: 07/17/24

Chloride	358	20.0	250	100	103	80-120			
----------	-----	------	-----	-----	-----	--------	--	--	--

Matrix Spike Dup (2429051-MSD1)

Source: E407128-01

Prepared: 07/17/24 Analyzed: 07/17/24

Chloride	356	20.0	250	100	102	80-120	0.563	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. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Michael K 21 22 Fed #111H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 07/22/24 09:18
---	---	------------------------------------

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

Received by OCD: 7/31/2024 1:06:53 PM

Page 14 of 41 edge

Page 129 of 197

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: Michael K 21 22 Fed #111H				Address: 3122 National Parks Hwy				E 407128		2308-0003					X	X				
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agioveno@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agioveno@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	Compliance	Y or N	
16:56	7/15/2024	S	1	FS54 - 2'		1						X								
17:34	7/15/2024	S	1	FS56 - 2'		2						X								
16:25	7/15/2024	S	1	FS176 - 2'		3						X								
15:30	7/15/2024	S	1	FS210 - 4'		4						X								
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@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: Chad Hamilton																				
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 / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4														
<i>[Signature]</i>	7/16/24	8:13	<i>Michelle Gonzales</i>	7-16-24	0813															
<i>Michelle Gonzales</i>	7-16-24	1545	<i>A. J.</i>	7-16-24	1645															
<i>A. J.</i>	7-16-24	2230	<i>Highly R Hall</i>	7-17-24	0600															
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.																				

Released to Imaging: 8/26/2024 10:36:54 AM



Envirotech Analytical Laboratory

Printed: 7/17/2024 9:48:33AM

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: 07/17/24 06:00	Work Order ID: E407128
Phone: (972) 371-5200	Date Logged In: 07/16/24 15:26	Logged In By: Alexa Michaels
Email: agiovnngo@ensolum.com	Due Date: 07/23/24 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

Carrier: Couier

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

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

Email Correspondence

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 319541

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 319541
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil 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	Cause: Other Other (Specify) Crude Oil Released: 22 BBL Recovered: 20 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
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.

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

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

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

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

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

QUESTIONS, Page 2

Action 319541

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 319541
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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	<i>Not answered.</i>

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.

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

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

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

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

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

ACKNOWLEDGMENTS

Action 319541

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 319541
	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.

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

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

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

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

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

CONDITIONS

Action 319541

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 319541
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/2/2024

Impacted Soil	
Saturated Soil (inches)	
	0.5
	3147
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
	0.0
barrels recovered (if known)	
	20
Soil type	
pad caliche	
Spill type	
oil(crude)	
Barrel estimate in soil	
	3.1
Barrel estimate (standing fluids/ recovered+in soil)	
	23.1

need to populate or select

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 320804

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 320804
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Other Other (Specify) Crude Oil Released: 22 BBL Recovered: 20 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
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.

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

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-9720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 320804
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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	<i>Not answered.</i>

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: 03/06/2024
--	--

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 320804

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 320804
	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
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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

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

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

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

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

CONDITIONS

Action 320804

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 320804
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	3/6/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342673

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342673
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/20/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 342673

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342673
	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.	5/9/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342679

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342679
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/21/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 342679

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342679
	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.	5/9/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342688

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342688
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/22/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 342688

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342688
	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.	5/9/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342781

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342781
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/23/2024
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	32.56296, -104.09013

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 342781

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342781
	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.	5/10/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342783

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342783
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/24/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 342783

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342783
	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.	5/10/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342787

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342787
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/27/2024
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	32.56296, -104.09013

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 342787

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342787
	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.	5/10/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342788

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342788
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/28/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS
 Action 342788

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342788
	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.	5/10/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342790

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342790
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/29/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 342790

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342790
	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.	5/10/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342794

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342794
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/30/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 342794

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342794
	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.	5/10/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 342796

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342796
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/31/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 342796

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 342796
	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.	5/10/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 349649

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349649
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/03/2024
Time sampling will commence	09:00 AM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i> 	
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	E-20-20S-29E (32.56296, -104.09013)

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 349649

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349649
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
c_talley	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.	5/31/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 349652

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349652
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2024
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	E-20-20S-29E (32.56296, -104.09013)

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

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

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

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

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

CONDITIONS

Action 349652

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349652
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
c_talley	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.	5/31/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 349653

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349653
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2024
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	E-20-20S-29E (32.56296, -104.09013)

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 349653

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349653
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
c_talley	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.	5/31/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 349654

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349654
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/06/2024
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	E-20-20S-29E (32.56296, -104.09013)

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 349654

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349654
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
c_talley	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.	5/31/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 349657

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349657
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/07/2024
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	E-20-20S-29E (32.56296, -104.09013)

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 349657

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349657
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
c_talley	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.	5/31/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 352051

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352051
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/10/2024
Time sampling will commence	09:00 AM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i>	
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 352051

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352051
	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.	6/7/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 352056

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352056
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/11/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 352056

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352056
	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.	6/7/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 352057

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352057
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/12/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 352057

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352057
	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.	6/7/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 352059

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352059
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	270
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/13/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 352059

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352059
	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.	6/7/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 352072

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352072
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/14/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 352072

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 352072
	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.	6/7/2024

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

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

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

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

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

QUESTIONS

Action 354687

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 354687
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/17/2024
Time sampling will commence	09:00 AM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i>	
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 354687

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 354687
	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.	6/17/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 354693

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 354693
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/18/2024
Time sampling will commence	09:00 AM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i>	
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 354693

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 354693
	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.	6/17/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 354699

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 354699
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	56,170
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/19/2024
Time sampling will commence	09:00 AM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i> 	
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 354699

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 354699
	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.	6/17/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 364039

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 364039
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,000
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/17/2024
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	32.56296, -104.09013

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

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

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

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

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

CONDITIONS

Action 364039

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 364039
	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.	7/15/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 364056

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 364056
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,000
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/15/2024
Time sampling will commence	12:00 PM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i> 	
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	(32.56296, -104.09013)

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

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

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

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

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

CONDITIONS

Action 364056

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 364056
	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.	7/15/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 368966

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 368966
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406241127
Incident Name	NAPP2406241127 MICHAEL K 21 22 FED #111 H WELL PAD @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Michael K 21 22 FED #111 H well Pad
Date Release Discovered	03/02/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Other Other (Specify) Crude Oil Released: 22 BBL Recovered: 20 BBL Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
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.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-9720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 368966

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 368966
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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	<i>Not answered.</i>

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: 07/31/2024
--	--

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

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

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

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

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

QUESTIONS, Page 3

Action 368966

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	368966
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<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)	27500
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6800
GRO+DRO (EPA SW-846 Method 8015M)	2530
BTEX (EPA SW-846 Method 8021B or 8260B)	1
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	05/20/2024
On what date will (or did) the final sampling or liner inspection occur	07/15/2024
On what date will (or was) the remediation complete(d)	07/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	1782
What is the estimated volume (in cubic yards) that will be reclaimed	132
What is the estimated surface area (in square feet) that will be remediated	54536
What is the estimated volume (in cubic yards) that will be remediated	9904

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 4

Action 368966

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 368966
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/31/2024
--	--

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

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 368966

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	368966
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Production Equipment Includes areas around wellheads and under chemical containment areas.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1782
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	132
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (##) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-53595 MICHAEL K 21 22 FEDERAL COM #111H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: 07/31/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 6

Action 368966

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID:	228937
	Action Number:	368966
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	364039
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/17/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	-----------

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

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

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

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

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

CONDITIONS

Action 368966

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 368966
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Matador's deferral requests final remediation for (Incident Number NAPP2406241127) until final reclamation of the well pad or major construction, whichever comes first. Ensolum and Matador do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are in the immediate vicinity of active production equipment, process piping, and the supports beneath them, where remediation would require a major facility deconstruction, which include sample areas (FS045, SW07 through SW12, and SW17). At this time, OCD approves this request. The release areas will need to meet reclamation standards at the time the facility is deconstructed, and the pad is reclaimed/revegetated. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	8/26/2024